



## **Guide to Bilateral & Multilateral Cooperation Agreements Supporting ICT/STI-related Activities in IST-Africa Partner Countries**

**Version 1.1**

**31 January 2014**



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**Acknowledgements**

The IST-Africa Consortium wish to acknowledge the support provided by various organisations in Botswana, Burundi, Cameroon, Egypt, Ethiopia, Kenya, Lesotho, Malawi, Mauritius, Mozambique, Namibia, Senegal, South Africa, Swaziland, Tanzania, Tunisia and Uganda in sourcing background information for this report.

IST-Africa 2012 – 2013 is co-funded as a Specific Support Action by the European Commission under the ICT Programme of Framework Programme 7 (FP7) – Contract No. 288691. The views expressed in this document are those of the authors and contributors do not necessarily reflect the official European Commission's view on the subject.

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**Edited and Published by** IIMC International Information Management Corporation Ltd

ISBN: 978-1-905824-42-7

## TABLE OF CONTENTS

<b>1. EXECUTIVE SUMMARY</b>	<b>6</b>
1.1 CONTEXT AND OBJECTIVES	6
1.2 METHODOLOGY	7
1.3 MAIN FINDINGS	7
1.4 CONCLUSION	15
<b>2. REPUBLIC OF BOTSWANA</b>	<b>44</b>
2.1 INTRODUCTION	44
2.2 BILATERAL COOPERATION	46
2.3 OTHER FUNDING MECHANISMS	48
<b>3. REPUBLIC OF BURUNDI</b>	<b>51</b>
3.1 INTRODUCTION	51
3.2 BILATERAL COOPERATION	52
3.3 OTHER FUNDING MECHANISMS	53
<b>4. CAMEROON</b>	<b>56</b>
4.1 INTRODUCTION	56
4.2 BILATERAL COOPERATION	57
4.3 OTHER FUNDING MECHANISMS	59
<b>5. EGYPT</b>	<b>63</b>
5.1 INTRODUCTION	63
5.2 BILATERAL COOPERATION WITH EU MEMBER STATES	64
5.3 BILATERAL COOPERATION WITH AFRICAN MEMBER STATES	68
5.4 OTHER FUNDING MECHANISMS	70
<b>6. ETHIOPIA</b>	<b>79</b>
6.1 INTRODUCTION	79
6.2 BILATERAL COOPERATION	80
6.3 OTHER FUNDING MECHANISMS	82
<b>7. GHANA</b>	<b>85</b>
7.1 INTRODUCTION	85
7.2 BILATERAL COOPERATION	86
7.3 OTHER FUNDING MECHANISMS	86
<b>8. KENYA</b>	<b>91</b>
8.1 INTRODUCTION	91
8.2 BILATERAL COOPERATION	92
8.3 OTHER FUNDING MECHANISMS	95
<b>9. KINGDOM OF LESOTHO</b>	<b>103</b>
9.1 INTRODUCTION	103
9.2 BILATERAL COOPERATION	104
9.3 OTHER FUNDING MECHANISMS	107
<b>10. MALAWI</b>	<b>108</b>
10.1 INTRODUCTION	108
10.2 BILATERAL COOPERATION	109
10.3 OTHER FUNDING MECHANISMS	111
<b>11. MAURITIUS</b>	<b>117</b>
11.1 INTRODUCTION	117
11.2 BILATERAL COOPERATION	118

11.3	OTHER FUNDING MECHANISMS	119
<b>12.</b>	<b>REPUBLIC OF MOZAMBIQUE</b>	<b>124</b>
12.1	INTRODUCTION	124
12.2	BILATERAL COOPERATION	125
12.3	OTHER FUNDING MECHANISMS	128
<b>13.</b>	<b>REPUBLIC OF NAMIBIA</b>	<b>132</b>
13.1	INTRODUCTION	132
13.2	BILATERAL COOPERATION	133
13.3	OTHER FUNDING MECHANISMS	134
<b>14.</b>	<b>SENEGAL</b>	<b>137</b>
14.1	INTRODUCTION	137
14.2	BILATERAL COOPERATION	138
14.3	OTHER FUNDING MECHANISMS	140
<b>15.</b>	<b>REPUBLIC OF SOUTH AFRICA</b>	<b>145</b>
15.1	INTRODUCTION	145
15.2	BILATERAL COOPERATION	146
15.3	OTHER FUNDING MECHANISMS	148
<b>16.</b>	<b>SWAZILAND</b>	<b>159</b>
16.1	INTRODUCTION	159
16.2	BILATERAL COOPERATION	159
16.3	OTHER FUNDING MECHANISMS	161
<b>17.</b>	<b>REPUBLIC OF TANZANIA</b>	<b>162</b>
17.1	INTRODUCTION	162
17.2	BILATERAL COOPERATION	163
17.3	OTHER FUNDING MECHANISMS	170
<b>18.</b>	<b>TUNISIA</b>	<b>175</b>
18.1	INTRODUCTION	175
18.2	BILATERAL COOPERATION	175
18.3	OTHER FUNDING MECHANISMS	177
<b>19.</b>	<b>REPUBLIC OF UGANDA</b>	<b>184</b>
19.1	INTRODUCTION	184
19.2	BILATERAL COOPERATION	185
19.3	OTHER FUNDING MECHANISMS	197
<b>ANNEX 1 – EUROPEAN PARTNERS IN FP7 PROJECTS WITH AFRICAN PARTICIPANTS FROM IST-AFRICA PARTNER COUNTRIES</b>		<b>204</b>
	<i>Botswana</i>	204
	<i>Burundi</i>	205
	<i>Cameroon</i>	206
	<i>Egypt</i>	211
	<i>Ethiopia</i>	234
	<i>Ghana</i>	239
	<i>Kenya</i>	246
	<i>Lesotho</i>	260
	<i>Malawi</i>	260
	<i>Mauritius</i>	263
	<i>Mozambique</i>	264
	<i>Namibia</i>	267
	<i>Senegal</i>	270

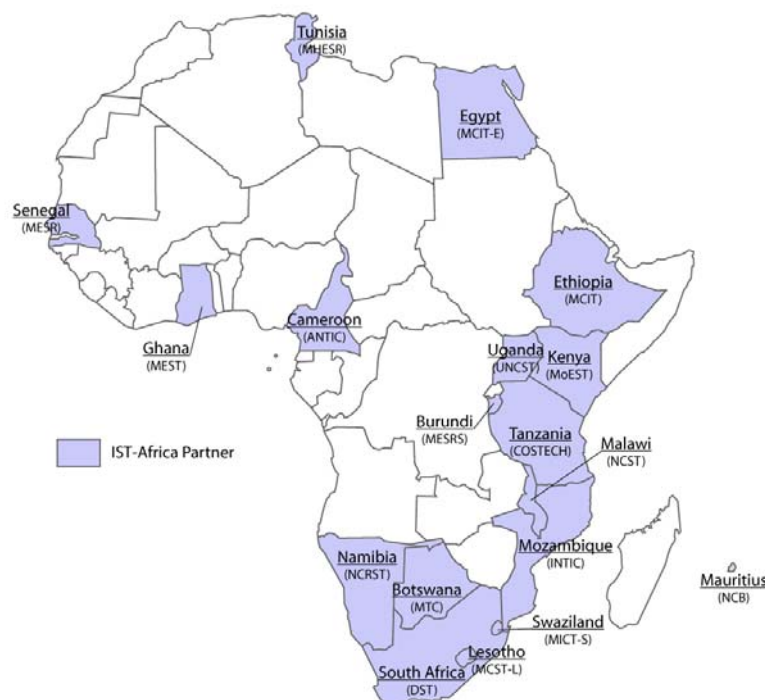
<i>South Africa</i>	<i>280</i>
<i>Swaziland</i>	<i>318</i>
<i>Tanzania</i>	<i>319</i>
<i>Tunisia</i>	<i>325</i>
<i>Uganda</i>	<i>342</i>

## 1. EXECUTIVE SUMMARY

### 1.1 Context and Objectives

One of the challenges facing stakeholders addressing ICT challenges in an African context is that there is no central repository of existing ICT related projects being funded in Africa. Some projects are funded by national governments (either on a bilateral or multilateral basis), by international organisations, by foundations and non-governmental organisations (NGOs) and by the European Commission through Framework Programme 7 (FP7). As a result, on occasions, there have been unfortunate situations where effort has been duplicated or results from previous projects in the same country have not been leveraged or adapted by subsequent projects. Similarly, there is often a lack of necessary dissemination of national or regional project results that could have been adapted and replicated in other African countries for wider socio-economic impact.

The purpose of this study is to provide a starting point for a central repository of ICT projects and activities across Africa. It focuses on current ICT and Science, Technology and Innovation (STI) related bilateral and multilateral cooperation between 18 IST-Africa Partner Countries in North Africa (Egypt, Tunisia), West Africa (Senegal, Ghana), East Africa (Burundi, Ethiopia, Kenya, Tanzania, Uganda), Central Africa (Cameroon) and Southern Africa (Botswana, Lesotho, Malawi, Mauritius, Mozambique, Namibia, South Africa, Swaziland) and Europe, but also between these African States and other key stakeholders. Where appropriate, it also reflects multi-country projects where at least one of the beneficiaries is an IST-Africa Partner Country.



It focuses primarily on bi-lateral or multi-lateral projects funded by governments, development agencies or international institutions, and FP7 projects due to the limited resources available for this task. However, where particularly successful national or regional projects funded by other stakeholders are brought to the attention of contributors, these will be included in the repository.

As most projects have a fixed duration, this study requires regular updating. While IST-Africa Partners have taken care in identifying relevant projects, irrespective of funding, we invite key stakeholders to bring other relevant projects to our attention, to be incorporated in the next version.

## **1.2 Methodology**

This study builds on a previous study carried out by IST-Africa from 2009 – 2011.

This study is being undertaken from October 2011 to January 2014. The methodology leveraged qualitative data collection and face to face semi-structured interviews with key stakeholders in Botswana, Burundi, Cameroon, Egypt, Ethiopia, Kenya, Lesotho, Malawi, Mauritius, Mozambique, Namibia, Senegal, South Africa, Swaziland, Tanzania, Tunisia and Uganda, supplemented by follow up e-mails, desk research and telephone interviews.

## **1.3 Main Findings**

### **1.3.1 Botswana**

Botswana is a middle-income country with relatively good infrastructure, fibre-optic networks and a National Backbone. The first National Information and Communications Technology Policy was approved by Parliament in 2007 [Maitlamo National Policy for ICT Development 2007] and the revised Research, Science, Technology and Innovation Policy was approved in 2012. The Botswana Innovation Hub was set up to encourage inward investment and support research, training and job creation in the areas of ICT, Bio-Technology, Energy and Mineral Technology. There are quite a lot of ICT Initiatives and projects funded at national level focused on reducing the digital divide and supporting the Information Society (Connecting Communities Programme, Kitsong Centres, Thuto-Net, Broadband Strategy, Universal Access), providing eGovernment services and supporting Innovation and Entrepreneurship. There are 2 public universities and 2 private institutions of Higher Education with 4 Departments focused on ICT/Engineering. There are also eight public Higher Education Institutes including DVET and nine private Higher Education Institutes.

The level of funding available through bilateral cooperation with EU Member States has been reduced gradually over the past decade. Under EDF10 (2008 - 2013) Botswana was allocated 73 million euro, which was focused around Human Resource Development.

Bilateral Support for ICT-related activities is primarily provided by Finland (Southern Africa Innovation Support Programme) and Sweden (Botswana Speaks Parliamentary Initiative). Botswana was a beneficiary under EDF9 @CP-ICT Capacity Building Programme (Internet Governance and ICT Policy 2009 - 2011) and secured participation in 9 FP7 projects (up to November 2013).

### **1.3.2 Burundi**

Burundi is slowly building up the institutions and infrastructure following twelve years of crisis up to 2005. A fibre-optic project is currently running to provide ICT infrastructure across the country alongside development of the National Backbone. The National ICT Development Policy was adopted in 2004, the National Policy for Science, Technology and Innovation (STI) in 2001 and its implementation framework for 2013 – 2017 in July 2013. There are 7 public universities and 24 private institutions of Higher Education.



Bilateral support is primarily from European Development Funds, World Bank, Belgium, France, Italy and Canada (IDRC). Under EDF10 (2008 – 2013), 212 million euro was allocated. Aid is primarily focused on infrastructures, rural development, health and general budget support.

Participation in the IST-Africa Initiative has raised national awareness of the potential for international research cooperation and the necessity to incorporate ICT components within future national projects to support socio-economic development. Burundi has received support towards ICT-related projects through ITU (Broadband Wireless Network and National CIRT Establishment), World Bank (Regional Communication Infrastructure project) and FP7 (3 ICT projects).

### 1.3.3 Cameroon

Cameroon plays an important economic role in Central Africa and resources include agriculture, forestry, oil and tourism. The Government of Cameroon has recognised the importance of ICT as an enabling horizontal tool in realising projects in Education, Health, Agriculture, Economy and Energy. The ICT Policy was adopted in 2007, with the Implementation plan published in 2009 and the Electronic Communications Law, CyberSecurity Law and Electronic Commerce Law adopted in 2010. In terms of Infrastructure, there is a national backbone of over 5,000 km of fibre optic cable laid down and financed by the Chinese Government, a fibre optic loop in Douala with a second being laid in Yaounde and the establishment of a National Internet eXchange point (IXP) is ongoing, financed by the World Bank. There are quite a lot of ICT Initiatives and projects funded through Central National Budget focused on implementing eGovernment Services, supporting ICT development in Higher Education and expanding eInfrastructure. There are eight public universities, over 80 private institutions for Higher Education and several laboratories.

Bilateral and multilateral support for ICT / STI related activities is primarily from African Development Bank, World Bank and FP7. Cameroon has been successful in securing participation in 23 FP7 projects (up to November 2013) and secured €3.66 million in research funding (as at September 2013). EDF 10 funding (250 million) was focused primarily on governance, trade and regional integration. While Cameroon has bilateral agreements in place with a number of European countries, to date no ICT-related projects have been launched through bilateral funding.

### 1.3.4 Egypt

Egypt recognises the ICT sector as a critical component of the national economy. The ICT Policy (2013 – 2017) is focused on achieving sustainable socio-economic development using ICT solutions and key ICT sectors planned to be supported include Digital Identity, Egypt Digital Hub, Basic Infrastructure (Broadband, Cloud Computing, Submarine Cables), Cyber Security & eSignature, Information Infrastructure & Digital Content, Electronics Design & Manufacturing, Legislative and Policies Framework. The Egyptian Government has made a significant investment in capacity building, digital literacy and certification of skills. There are quite a lot of ICT Initiatives and projects running focused on eLearning, eHealth, eGovernment, eContent, Access for All, Green ICT, Internet Safety, Community Integration and ICT for people with disabilities. There are 26 public universities,



33 private universities and 400 private institutions of higher education. Of these 35 have Departments focused on ICT/Engineering.

Egypt has strong bilateral relationships with Finland, Germany and Italy. Discussions are ongoing with Spain, Poland, Ireland and France. Egypt receives funding under the European Neighbourhood and Partnership Instrument (ENPI) and Erasmus Mundus Programme. Egypt has been successful in securing participation in 96 FP7 projects (up to November 2013) and funding of €16.1 million.

### **1.3.5 Ethiopia**

Ethiopia views its ICT Policy and Strategy (2009) as integral parts of larger development goals to reach its ambition to become a middle-income country by 2025. The National Science, Technology and Innovation (STI) Policy (2012) aims to create a technology transfer framework to build national capacity. In terms of ICT Infrastructure, there is 12,000 km optic fibre cable starting from central Ethiopia to all directions of the country and connected all cities with a capacity to transmit 40 Gbps along with the national backbone. MCIT has established 147 Community Information Centres and 9 community radio stations to date in remote areas to provide information on new ICT technology transfer and implementations, healthcare, agricultural information and education issues. In recent years, a number of national initiatives focused on stimulating the use of ICT: the National Data Set; National Enterprise Service Bus (NESB); Public Key Infrastructure (PKI); EthioICT-Village; WoredaNet; Integrated Financial Management Information System; ICT Business Incubation Centre; EthERNet (Ethiopian Education and Research Network) and SchoolNet. There are 31 public universities and 42 private higher education institutions.

Bilateral support for ICT related activities is primarily from the VLIR-IUC Belgian Programme, German Federal Ministry for Economic Cooperation and Development (Entrepreneurship project between Arba Minch University and Neu-Ulm University of Applied Sciences, Germany), Bern University in Switzerland and Republic of South Korea. Ethiopia has been successful in securing participation in 23 FP7 projects (up to November 2013) and secured €3.66 million in funding.

### **1.3.6 Ghana**

Ghana is West Africa's second largest economy after Nigeria. Policies driving ICT developments include the ICT for Accelerated Development Policy (ICT4AD), National Telecommunication Policy (NTP), National Science Technology and Innovation (STI) Policy and Development Plan. Ghana liberalised its telecommunication sector in 1990 and currently there are 6 cellular telecoms operators. The National Fibre Optic Backbone has been extended from 1000km to 4000km to connect 23 sites nationwide and international connectivity is provided via SAT-3 Submarine Optical Fibre Cable. There are nine public universities and over 30 private Higher Education institutions.

Ghana receives support from Denmark primarily in the area of Health and from IICD in relation to ICT for Education. IDA (World Bank) approved a loan for the eGhana project from 2006 – 2014. Ghana has been successful in securing participation in 43 FP7 projects (up to November 2013) and secured €8.2 million in research funding (as at September 2013).

### 1.3.7 Kenya

Kenya recognises the importance of ICT and Innovation in achieving the Vision 2030 objectives. There are four key policy documents guiding the ICT and Science, Technology and Innovation (STI) sector in Kenya: Kenya ICT Policy 2006 (under review), eGovernment Strategy, Kenya ICT National Master Plan 2017 and Kenya Science, Technology and Innovation (STI) Policy 2012. In terms of ICT infrastructure, a national fibre optic infrastructure is in place and four submarine cables are online (TEAMS, SEACOM, EASSy, LION). There are a wide range of ICT Initiatives and projects ongoing in Kenya including the Laptop Programme, Digital Inclusion Projects (Pasha Centres/Digital Villages, Wezesha Initiative), Business Process Outsourcing, Local Content Programme (Tandaa Digital Content Grants, Open Data Portal), Information Security and Other Initiatives (Konza Technology Park, zero-rated taxes on imported ICT hardware, eGovernment, Skills Programmes). There are 22 fully chartered public universities, 9 public University Constituent Colleges, 6 public research institutes, 17 accredited private Universities, 11 private Universities with letter of interim authority and 5 private University Colleges.

Kenya has sectoral bilateral cooperation agreements in relation to Science Technology and Innovation/ICT in place with France (through IRD, IFRA and CIRAD), United Kingdom (through the British Council), Spain, Netherlands, Germany, Norway, Finland and Sweden.

ICT related bilateral support is primarily from Sweden (SPIDER Programme) and Germany (ict@innovation Open Source Regional Project). IICD funded several ICT for Education projects. Kenya was a beneficiary in a number of ACP-ICT Capacity building projects. Kenya secured participation in 68 FP7 projects (up to November 2013) and secured €12.3 million.

### 1.3.8 Lesotho

The Lesotho National Strategic Development Plan for 2013 – 2017 aims to develop an ICT-based Information Society. There is a good policy framework in place: ICT Policy (2005), Universal Access Fund (2009) and revised Science Technology and Innovation Policy (2010). In terms of national backbone there is currently a mix of copper cables, fibre optic cables and satellite. Lesotho has a link to Eastern Africa Submarine Cable System (EASSy) and West Indian Ocean Cable Company (WIOCC). There are ICT Initiatives and projects ongoing focused on eLearning, eHealth and eGovernment. There are one public university (National University of Lesotho), Lerotholi Polytechnic, Lesotho College of Education, National Health Training Centre and a private university (Limkokwing University of Creative Technology).

While Bilateral Support is provided by Ireland (Health, Education, Water/Sanitation, Governance), Germany (Governance, agrarian reform and rural infrastructure), Italy (Health), Spain (Construction of roads), Denmark, Sweden and UK (Governance), there is no funding currently directly earmarked for ICT-related activities. EDF 10 funding (€139.3 million) focused primarily on supporting National Development Strategy and the Water and Sanitation sector strategy. Lesotho secured participation in 4 FP7 projects (up to November 2013) and 1 ACP-ICT project.

### **1.3.9 Malawi**

Malawi's Vision 2020 recognises ICT as a priority sector with the potential of turning around the economy. The ICT Policy (2005) was revised to include Universal Access Issues and re-published in September 2013. A National ICT Master Plan for 2014 – 2031 is under development and aims to be operational by July 2014. In terms of ICT Infrastructure there is a submarine and terrestrial broadband network, a fibre cable infrastructure connecting Malawi and Mozambique, an expanded national fibre infrastructure and high level of mobile penetration. ICT Initiatives are currently ongoing in eGovernment, Education and eLearning, eInfrastructure, Digital Repositories, eHealth and eBanking. There are thirteen institutions of Higher Education: 2 publicly funded universities, 7 publicly funded Polytechnics and specialised Colleges and 4 privately funded Colleges.

Bilateral support for ICT related activities is primarily from Norway, UK, Scotland, China, India and Australia. The World Bank is providing support towards the Regional Communications Infrastructure Program and the Infrastructure Services Project. Malawi has been successful in securing participation in 20 FP7 projects (up to November 2013) and secured €3.06 million in research funding (as at September 2013). Malawi is also a beneficiary under the Africa Connect Project.

### **1.3.10 Mauritius**

Mauritius's National ICT Strategic Plan (NICTSP) for the period 2011 – 2014 branded "Towards i-Mauritius", focuses on transforming Mauritius into a Cyber Island. The National Broadband Policy 2012 - 2020 sets out a strategic vision for a broadband intelligent Mauritius and national goals within the overarching NICTSP. The ICT sector has recently become the third pillar of the Mauritian economy. ICT Initiatives are currently ongoing at national level in the areas of eEducation & ICT Skills, Digital Divide, eGovernment, Cyber Security, Entrepreneurship and Green IT. There are five public universities, three private universities and 15 private institutions of Higher Education.

European Development Funds, the Agence Française de Développement (AFD), African Development Bank and World Bank contribute toward general budget support. France and the United Kingdom have active cooperation agreements with Mauritius. India is contributing funding to develop the Cyber City and IT Education projects. During 2013 the EU Delegation in Mauritius has provided funding for National Computer Board to run events and training related to raising awareness and providing certification in relation to Green ICT, which is a priority area for Mauritius. Mauritius has secured participation in six projects under FP7.

### **1.3.11 Mozambique**

Mozambique depends substantially on subsistence agriculture, aluminium and foreign assistance. The National ICT Policy was approved in 2000 and the ICT Policy Implementation Strategy in 2002 providing the framework by which ICT would be leveraged as an enabler and cross cutting issue in all sectors and development programmes. ICT Initiatives are currently ongoing at national level in the areas of eGovernment and Digital Divide. There are 2 public universities, 8 public Higher

Education Institutions, 10 private Universities and 22 private Higher Education Institutions. Twenty-two institutions are dedicated to research activities, 15 of which are public and 7 private.

Austria, Belgium, Denmark, Finland, France, Germany, Ireland, Italy, Netherlands, Norway, Portugal, Spain, Sweden, United Kingdom, Canada, Japan and US provide donor support to Mozambique, primarily toward general budgetary support. Bilateral support for ICT related activities is primarily from Finland, Germany and Italy. Mozambique has been successful in securing participation in 20 FP7 projects (up to November 2013) and secured €3.36 million in research funding (as at September 2013). Mozambique is a beneficiary under the Africa Connect Project and was a beneficiary under a number of ACP-ICT Capacity building Programmes.

### **1.3.12 Namibia**

The Namibian Government recognises the importance of ICT to support socio-economic growth. This is reflected both in the ICT Policy and in Vision 2030, which envisions Namibia as a knowledge-based economy by 2030. The ICT Policy provides a framework to accelerate the use of ICT in Namibia and grow the sector. In terms of ICT Infrastructure, the telecommunications backbone was digitised in 1999 with underground fibre-optic cable and Namibia is linked to the rest of the world via the West African Cable System. ICT Initiatives are currently ongoing at national level in the areas of eEducation, eHealth and eGovernance. Namibia has one public University, one one public Polytechnic, 46 vocational training centres and skills development centres, one private University and 1,450 schools. There are also several private colleges operating in Namibia.

Bilateral support for ICT related activities is primarily from Finland (Southern Africa Innovation Support Programme) and India (Pan African eNetwork). Germany provided support to the regional ict@innovation Open Source Project and Germany and the Netherlands have contributed towards education programmes. Namibia secured participation in 11 FP7 projects (up to November 2013). Namibia was a beneficiary under several ACP-ICT Capacity building Programmes.

### **1.3.13 Senegal**

Senegal considers ICT to be an essential component of development. A National Strategy for developing ICT was defined in 2000 with the State Information Technology Agency (ADIE) created in 2004. There is a good legal framework in place with laws addressing Information Society, Electronic Transactions, Cybercrime, protection of personal data and cryptology enacted in 2008. There is a good telecommunications infrastructure with Internet access cheaper than in other African countries. In terms of ICT Infrastructure, three submarine cables (Atlantis 2, SAT3/WASC/SAFE and Africa Coast) connect Senegal to the rest of the world. The national backbone is under construction. All regions are connected via the optical fibre. ICT Initiatives are currently ongoing in the areas of eGovernment, Digital Divide, Research, eInfrastructures, Entrepreneurship and eEducation. There are five public Universities, seven private Universities five public Institutes or Schools of Higher Education and 141 private Higher Education Institutions.

While Senegal has bilateral cooperation agreements with several EU Member States, Bilateral Support for ICT-related activities is primarily from France, Switzerland and India. The World Bank and the European Union are the two major multilateral donors. Senegal securing participation in 41 FP7 projects (up to November 2013) and secured €5.3 million in research funding.

#### **1.3.14 South Africa**

South Africa's 2015 ICT Vision aims that South Africa will be an inclusive Information Society where ICT-based Innovation flourishes. The Department of Communications is responsible for the ICT Policy, which is currently under review lead by the ICT Policy Review Panel appointed by the Minister of Communications. The Department of Science and Technology is responsible for the ICT Research, Development and Innovation Policy and following a consultation process the ICT RDI Innovation Roadmap was adopted in 2013 to guide R&D investments over the next ten years. ICT Initiatives include the Broadband Policy Review Process, South African National Research Network & Tertiary Education and Research Network, Digital Terrestrial Television Migration, Square Kilometer Array, Schools Connectivity Project and Wireless Mesh Network Technology Demonstrator. There are 23 state-funded tertiary institutions (Universities & Universities of Technology) and 87 private institutions of Higher Education.

Finland has been particularly active in supporting ICT related activities in recent years and France supports bilateral research projects. Germany provided support to the regional *ict@innovation* Open Source Project. South Africa has been successful in securing participation in 189 FP7 projects (up to November 2013) and secured €37.3 million in research funding (as at September 2013).

#### **1.3.15 Swaziland**

Swaziland has good policy infrastructure to support ICT adoption for socio-economic development (ICT Policy 2004, National Information and Communication Infrastructure Policy 2006, Science Technology and Innovation Policy 2012 and Swaziland Communications Commission Act 2013). Swaziland's fibre optic backbone network connected to SEACOM undersea cable through Maputo, Mozambique. An independent regulator, Swaziland Communications Commission, was established in July 2013. There is one public university and three private Higher Education institutions.

Swaziland has bilateral and multilateral cooperation agreements with African Development Bank, European Union under the EU Delegation, Japan (JICA), Republic of China/Taiwan, the traditional UN institutions (UNESCO, UNDP, UNICEF, WHO, and WFP), United States (USAID, Global Fund), the World Bank and the Import Export Bank of India (EXIM Bank of India). Bilateral Support in relation to ICT activities is currently primarily from Republic of China on Taiwan and India. Swaziland has been successful in securing participation in 3 FP7 projects (up to November 2013).

#### **1.3.16 Tanzania**

Tanzania recognises the importance of ICT and Innovation to support socio-economic development as part of the realisation of the Development Vision 2025. Two of the three main policies supporting Innovation and Entrepreneurship are currently under revision: the updated Science Technology and



Innovation (STI) Policy will incorporate Entrepreneurship and the National ICT Policy of 2003 is under review as part of the development of a new implementation strategy. Digital infrastructure has improved significantly with the fibre-optic network, investment in local Internet Exchange Points, migration to IPv6 and construction of the National ICT Backbone (NICTBB), which is almost complete. ICT Initiatives are currently ongoing in the areas of eInfrastructure and Education, eHealth, Information Society & Entrepreneurship and the Tanzania ICT Technology Park. There are 11 public universities, 17 private universities and 26 private institutions of Higher Education.

While Tanzania has bilateral cooperation agreements in place with a lot of countries, Bilateral Support for ICT-related activities is primarily provided by Finland, Sweden and Norway. Germany provided support to the regional ict@innovation Open Source Project and Ireland provided support to the Young Scientist Competition. The World Bank and the European Union are the two major multilateral donors. Tanzania was a beneficiary under an ACP-ICT Capacity building Programme (2009 – 2011). Tanzania has been successful in securing participation in 39 FP7 projects (up to November 2013) and secured €12 million in research funding (as at September 2013).

#### **1.3.17 Tunisia**

Tunisia considers ICT development a priority in terms of economic and social activities, health, e-learning, renewable energy and control of natural environment. Tunisia has a National backbone based on extensive fibre optical cables and submarine connections to Europe, Asia, the Middle East and America. ICT Initiatives are currently ongoing at national level in the areas of eInfrastructures (Technology Parks, Cyber Parks) and Support measures for Software companies and to set up ICT companies. There are 14 public universities and 44 private institutions of Higher Education.

While Tunisia has bilateral cooperation agreements in place with a lot of countries, Bilateral Support for ICT-related activities is primarily provided by France, Germany and Italy. Portugal, Switzerland, Spain, Belgium and Greece support bilateral research projects. Tunisia secured participation in 87 FP7 projects (up to November 2013) and €13.4 million in research funding.

#### **1.3.18 Uganda**

**Uganda's** ICT sector is one of the most vibrant and fastest growing sectors since its liberalization in 2010, supported by a good ICT legal and regulatory framework (Science Technology and Innovation Policy 2009, ICT Policy 2003, which is under review, Rural Communications Development Policy and eGovernment Strategy 2011). In terms of ICT Infrastructure, there are three Submarine cables supplying Uganda: TEAMS, SEACOM and EASSy. The National Data Transmission Backbone Infrastructure (NBI) and Electronic Government Infrastructure (EGI) are being implemented by NITA-U as a public-private partnership, with Phases I and II completed. Uganda is implementing ICT-related initiatives focusing on eInfrastructure, eGovernment, Technology-enhanced Learning, eHealth, eCommerce, ICT for Rural Development and Entrepreneurship. There are six public Universities, 29 Private Universities, and 40 public and 51 private Tertiary Institutions.

Uganda has bilateral cooperation agreements with Belgium, Denmark, Germany, France, Ireland, Italy, Austria, Netherlands, Norway, Sweden, UK, Rwanda, Burundi, India and South Korea. Bilateral Support for ICT-related activities and supporting Infrastructure and Capacity building in Higher Education Institutions is primarily provided by Germany, Ireland, Netherlands, UK, Norway, Sweden and IICD. Uganda was a beneficiary under two ACP-ICT Capacity building Programmes (2009 – 2011). Uganda secured 41 FP7 projects (up to November 2013) and €7.7 million funding.

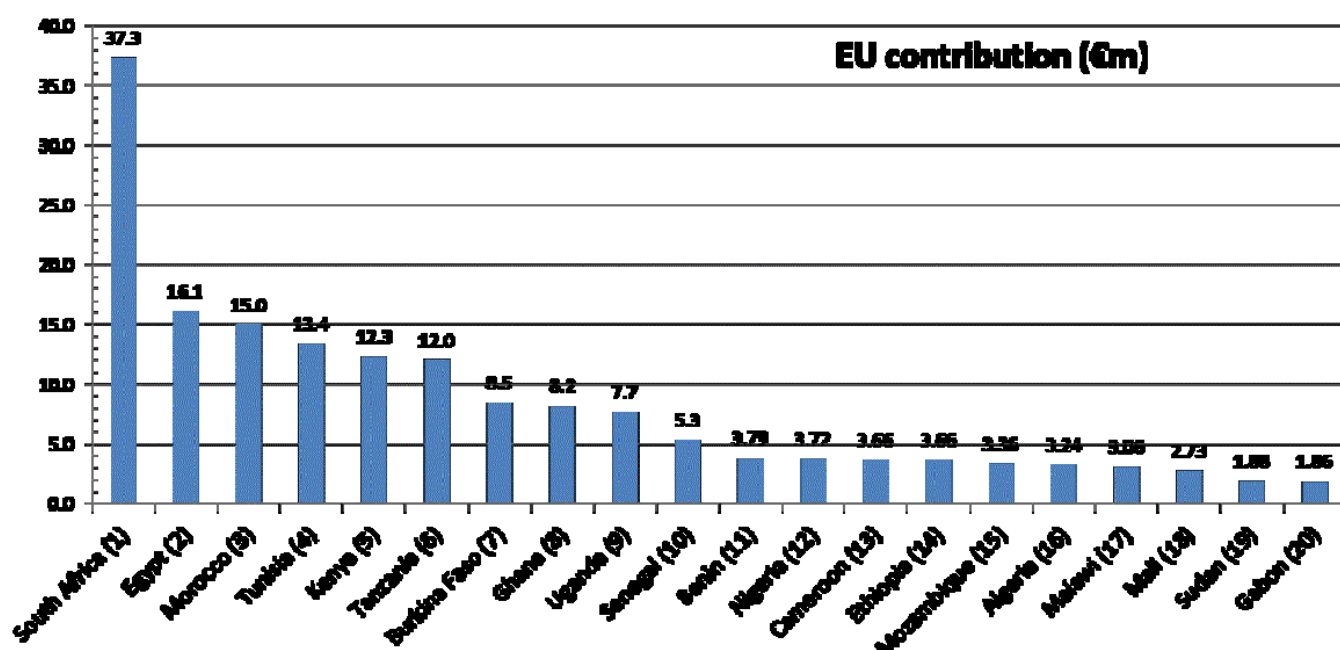
## 1.4 Conclusion

The study provides a starting point for a central repository of ICT projects and activities across the 18 participating IST-Africa partner countries in North Africa (Egypt, Tunisia), West Africa (Senegal, Ghana), East Africa (Burundi, Ethiopia, Kenya, Tanzania, Uganda), Central Africa (Cameroon) and Southern Africa (Botswana, Lesotho, Malawi, Mauritius, Mozambique, Namibia, South Africa, Swaziland) that are funded through bilateral and multilateral cooperation agreements.

Bilateral cooperation support for ICT is primarily provided by Finland, Sweden, Norway, Germany, Italy, India and South Korea. Ireland has provided support for Higher Education Institutions. Multilateral support is primarily provided by the European Commission, World Bank, ITU and IICD.

The number of African participations in FP7-ICT and STI related Calls has increased significantly over the seven-year period. While this has brought much needed research funds in the beneficiary African institutions, it has also supported networking, capacity building and laid a solid foundation for future collaboration under Horizon 2020. There is now a greater awareness of the benefits of international collaborative research and a good network of collaborators has been established.

As at September 2013, there were 1,315 participations from 45 African countries in 565 FP7 projects with total EU-funding to African partners of €178 million. The diagram below outlines the leading African countries in terms of funding secured during FP7:

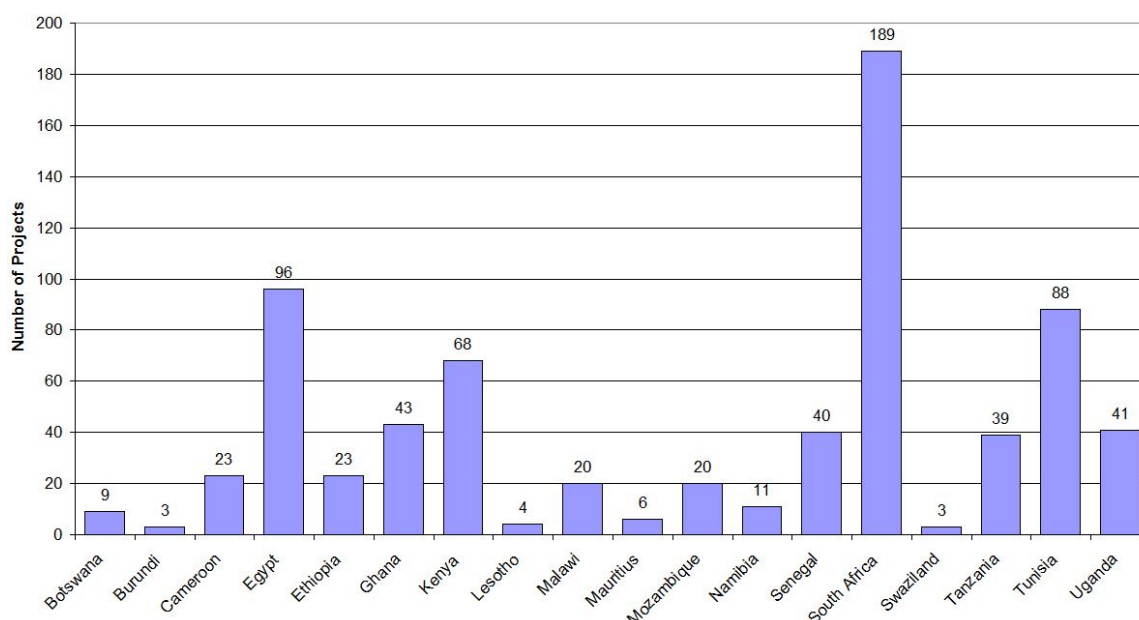


Source: S Hogan, EU Delegation to AU



The level of participation in FP7 from organisations in IST-Africa partner countries has grown dramatically over the past seven years as illustrated in the diagram below, albeit often from a low base. This successful participation provides a body of experience and a network of collaborators to build upon when addressing collaborative research opportunities under Horizon 2020.

**IST-Africa Partner Countries - Participation in FP7 (Nov 2013)**



The diagram below illustrates the number of IST-Africa Partner Countries with whom participants from European and Associated Countries have partnered through one or more FP7 projects.

**European Relationships with IST-Africa Partner Countries under FP7**

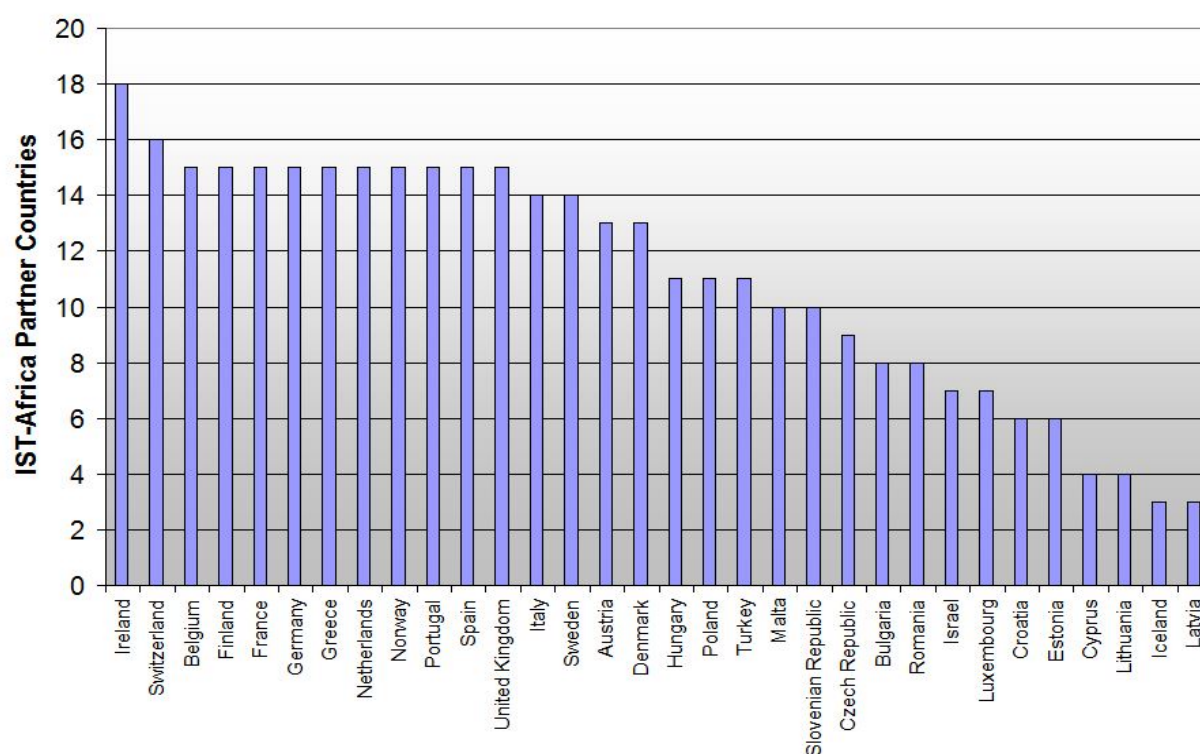


Table 1 provides an overview of cooperation agreements and projects supporting ICT/Science Technology and Innovation related activities in each country. The individual country chapters provide more details on the specific projects

**Table 1: Overview of Bilateral & Multilateral Cooperation Agreements Supporting ICT/STI-related activities**

Country	ICT/STI Initiatives being Supported	Funding Mechanism / Partner
<b>Botswana</b>	IST-Africa Initiative (Support action) TXOTX (Coordination and support action) DEWFORA (Collaborative project) HURAPRIM (Collaborative project) RN4CAST (Collaborative project) CAAST-Net (Coordination and support action) Capacity-building programme and Community Development in Internet Governance and ICT Policy Southern Africa Innovation Support Programme (SAIS) Botswana Speaks Parliamentary Project (Pilot Action)	FP7 ICT 2008 – 2015 (Ministry of Communications, Science and Technology, Ministry of Transport and Communications) – 4 projects FP7-KBBE 2008 - 2011 (Coldstream Holdings Ltd) FP7 Environment 2011 - 2013 (Waternet Trust) FP7 Health 2011 - 2015 (University of Botswana) FP7 Health 2009 - 2011 (University of Botswana) FP7 INCO 2011 – 2012 (Ministry of Communications, Science and Technology) EDF9 (@CP-ICT capacity-building programme) 2009 – 11 MFA Finland, 2011 – 2015 (Botswana Innovation Hub) SIDA, 2012 – 2014 (Parliament of Botswana)
<b>Burundi</b>	IST-Africa Initiative (Support action) Broadband Wireless Network Project (Infrastructure) National CIRT Establishment (Capacity Building) Regional Communications Infrastructure Project (Infrastructure)	FP7 ICT 2009 - 2015 (Ministere de l'Enseignement Superier et de la Recherche Scientific) – 3 projects ITU, 2009 - 2014 ITU, 2013 World Bank & Partners, 2007 – 2016 (Ministère des Télécommunications, de l'Information, de la Communication et des Relations avec le Parlement)
<b>Cameroon</b>	IST-Africa Initiative (Support action) CAAST-Net (Coordination and support action) Integrated risk management for Africa (IRMA) (Collaborative Project) Africa Build (Coordination and support action) CLUVA (Collaborative Project) GEOCARBON (Collaborative Project) MIAVITA (Collaborative Project) REDD-ALERT (Collaborative Project)	FP7 ICT 2009 – 2015 (ANTIC) – 3 projects FP7 INCO 2011 – 2012 (Ministry of Scientific Research and Innovation) FP7 ICT 2008 – 2009 (Universite de Yaounde I) FP7 Health 2011 – 2014 (Universite de Yaounde I) FP7 Environment 2010 – 2013 (Universite de Yaounde I) FP7 Environment 2011 – 2014 (Cameroon Biodiversity Conservation Society) FP7 Environment 2008 – 2012 (Ministere de L'industrie, des Mines et du Developpement Technologique ) FP7 Environment 2009 – 2012 (Institut de Recherche Agricole pour le Developpement)

	<p>CHAIN (Collaborative Project)</p> <p>CRIMALDDI (Coordination and support action)</p> <p>E PIAF (Collaborative Project)</p> <p>EVIMALAR (Network of Excellence)</p> <p>PRD COLLEGE (Coordination and support action)</p> <p>SURE (Collaborative Project)</p> <p>INFRAVEC (Combination of CP &amp; CSA)</p> <p>AFTER (Collaborative Project)</p> <p>NO BUG (Collaborative Project)</p> <p>CEECEC (Coordination and support action)</p> <p>REDDAF (Collaborative Project)</p> <p>EUROBROADMAP (Collaborative Project)</p> <p>RURBANAFRICA (Collaborative Project)</p>	<p>FP7 Health 2009 – 2014 (Ministry of Public Health)</p> <p>FP7 Health 2009 – 2011 (University of Buea)</p> <p>FP7 Health 2010 – 2014 (Research Foundation in Tropical Diseases and Environment)</p> <p>FP7 Health 2009 – 2014 (Universite de Yaounde I)</p> <p>FP7 Health 2009 – 2013 (Universite de Yaounde I)</p> <p>FP7 Health 2009 – 2014 (Ministry of Public Health)</p> <p>FP7 Infrastructures 2009 – 2013 (Organisation de Coordination pour la lutte contre les Endémies en Afrique Centrale)</p> <p>FP7 KBBE 2009 – 2014 (Universite De Ngoundere)</p> <p>FP7 NMP 2009 – 2013 (Research Foundation in Tropical Diseases and Environment)</p> <p>FP7 Science-In-Society 2008 - 2010 (Centre pour L'environnement et le Developpement)</p> <p>FP7 Space 2011 – 2013 (Geospatial Technology Group SARL)</p> <p>FP7 SSH 2009 – 2012 (Coalition pour la Promotion De L'agriculture Urbaine et Periurbaine Enafrique Association)</p> <p>FP7 SSH 2012 – 2016 (Universite de Dschang)</p>
<b>Egypt</b>	<p>IST-AFRICA Initiative (Support Action)</p> <p>3D-COFORM (Collaborative Project)</p> <p>EUROAFRICA-P8 (Support Action)</p> <p>IDEALIST 2011 (Support Action)</p> <p>JOIN-MED (Support Action)</p> <p>MEDAR (Coordination and support action)</p> <p>V-MUST.NET (Network of Excellence)</p> <p>OPENAIR (Collaborative Project)</p> <p>X-NOISE EV (Coordination and support action)</p> <p>EUROSUNMED (SICA)</p> <p>MATS (Collaborative project)</p>	<p>FP7 ICT 2009 - 2015 (Ministry of Communications &amp; Information Technology) – 3 projects</p> <p>FP7 ICT 2008 - 2012 (Center for Documentation of Cultural and Natural Heritage)</p> <p>FP7 ICT 2012 - 2013 (Ministry of Communications &amp; Information Technology)</p> <p>FP7 ICT 2008 - 2011 (Ministry of Communications &amp; Information Technology)</p> <p>FP7 ICT 2009 - 2011 (Ministry of Communications &amp; Information Technology)</p> <p>FP7 ICT 2008 - 2010 (The Engineering Company for Digital Systems Development &amp; IBM World Trade Corporation Joint Stock Company &amp; Sakhr Software Co.)</p> <p>FP7 ICT 2011 - 2015 (Center for Documentation of Cultural and Natural Heritage)</p> <p>FP7 AAT 2009 - 2014 (Ain Shams University, Faculty of Engineering)</p> <p>FP7 AAT 2010 - 2014 (Ain Shams University, Faculty of Engineering)</p> <p>FP7 Energy 2013 – 2017 (Alexandria University; Nile Valley Engineering Company Partnership &amp; Helwan University)</p> <p>FP7 Energy 2011 - 2015 (Academy of Scientific Research and Technology ASRT &amp; New and Renewable Energy Authority &amp; Delft Environment, Sonia Abdel Fattah Salem and Co &amp; Naguib Onsi Sawiris &amp; Co Joint Stock Company)</p>

MED-CSD (Coordination and support action)	FP7 Energy 2008 - 2010 (New and Renewable Energy Authority)
NACIR (Collaborative Project)	FP7 Energy 2009 - 2012 (Ministry of Water Resources and Irrigation)
BAT4MED (Coordination and support action)	FP7 ENV 2010 - 2013 (Egyptian Environmental Affairs Agency & Centre for Environment and Development for the Arab Region and Europe)
CITYZEN (Collaborative Project)	FP7 ENV 2008 - 2011 (Cairo University)
CLIMATE FOR CULTURE (Collaborative Project)	FP7 ENV 2009 - 2014 (Center for Documentation of Cultural and Natural Heritage)
CLIMB (Collaborative Project)	FP7 ENV 2010 - 2013 (Zagazig University)
DEWFORA (Collaborative project)	FP7 ENV 2011 - 2013 (Ministry of Water Resources and Irrigation)
IWWA (Coordination and support action)	FP7 ENV 2010 - 2012 (Centre for Environment and Development for the Arab Region and Europe)
MEDINA (Collaborative Project)	FP7 ENV 2011 - 2014 (National Institute of Oceanography and Fisheries)
MEDSEA (Collaborative Project)	FP7 ENV 2011 - 2014 (National Institute of Oceanography and Fisheries)
NIKER (Collaborative project)	FP7 ENV 2010 - 2012 (Cairo University)
PEGASO (Collaborative project)	FP7 ENV 2010 - 2014 (National Institute of Oceanography and Fisheries & National Authority for Remote Sensing and Space Sciences)
SUSTAINERGYNET (Coordination and support action)	FP7 ENV 2008 - 2010 (Cairo University)
WASSERMED (Collaborative project)	FP7 ENV 2010 - 2013 (Ministry of Water Resources and Irrigation)
AFRICA BUILD (Coordination and support action)	FP7 Health 2011 - 2014 (Ministry of Communications & Information Technology)
DEEP (Collaborative Project)	FP7 Health 2011 - 2014 (Cairo University)
EUNAM (Coordination and support action)	FP7 Health 2011 - 2015 (Ain Shams University ASU Faculty of Medicine)
HEALTH-NCP-NET (Coordination and support action)	FP7 Health 2008 - 2013 (Academy of Scientific Research and Technology ASRT)
HEPACUTE (Collaborative Project)	FP7 Health 2010 - 2013 (The Holding Company for Biological Products & Vaccines LLC & Menoufiya University & National Research Center)
SPHINX (Collaborative Project)	FP7 Health 2010 - 2013 (Ain Shams University ASU Faculty of Medicine & General Organization for Teaching Hospitals and Institutes & Ministry of Health and Population)
ADM-ERA (Coordination and support action)	FP7 INCO 2011 - 2013 (Central Metallurgical Research and Development Institute)
CAAST-NET (Coordination Action)	FP7 INCO 2008 - 2012 (Ministry of Higher Education and Scientific Research)
CAAST-NETPLUS (Coordination Action)	FP7 INCO 2013 - 2016 (Ministry of Higher Education and Scientific Research)
ERAFRICA (Coordination and support action)	FP7 INCO 2010 - 2013 (Ministry of Higher Education and Scientific Research)
ERANETMED 2013 – 2017 (Coordination Action)	FP7 INCO 2013 - 2017 (Ministry of Higher Education and Scientific Research & Academy of Scientific Research and Technology ASRT)
FORCE (Coordination and support action)	FP7 INCO 2011 - 2014 (National Institute of Oceanography and Fisheries)
FP4BATIW (Support actions)	FP7 INCO 2013 – 2016 (National Authority for Remote Sensing and Space Sciences)

INCONET-GCC (Coordination and support action)	FP7 INCO 2010 - 2012 (Ministry of Higher Education and Scientific Research)
INCONTACT 2020 (Coordination and support action)	FP7 INCO 2013 - 2015 (Academy of Scientific Research and Technology ASRT)
INCONTACT-ONE WORLD (Coordination and support action)	FP7 INCO 2010 - 2013 (Ministry of Higher Education and Scientific Research)
INGEDI (Specific Support Action)	FP7 INCO 2004 – 2005 (The National Water Research Centre)
MARE (Support actions)	FP7 INCO 2013 – 2016 (National Research Center)
MED-SPRING 2013 – 2017 (Coordination Action)	FP7 INCO 2013 – 2017 (Ministry of Higher Education and Scientific Research, Alexandria University, Sekem Development Foundation - SDF)
MIRA (Coordination and support action)	FP7 INCO 2008 - 2013 (Ministry of Higher Education and Scientific Research & Academy of Scientific Research and Technology ASRT)
RECOCAPE (Coordination and support action)	FP7 INCO 2011 - 2013 (Information Technology Industry Development Agency)
SHERACA (Coordination and support action)	FP7 INCO 2009 - 2013 (Ministry of Higher Education and Scientific Research & Academy of Scientific Research and Technology ASRT)
SHERACA PLUS (Support Action)	FP7 INCO 2013 - 2016 (Ministry of Higher Education and Scientific Research & Academy of Scientific Research and Technology ASRT)
SUDSOE (Coordination and support action)	FP7 INCO 2012 - 2014 (National Authority for Remote Sensing and Space Sciences)
THEBERA (Coordination and support action)	FP7 INCO 2010 - 2013 (Theodor Bilharz Research Institute & Academy of Scientific Research and Technology ASRT)
EUMEDGRID-SUPPORT (Coordination and support action)	FP7 INFRA 2010 - 2011 (Egyptian Universities Network)
INDICATE (Coordination and support action)	FP7 INFRA 2010 - 2012 (Center for Documentation of Cultural and Natural Heritage)
LINKSCEEM-2 (Combination of CP & CSA)	FP7 INFRA 2010 - 2014 (National Authority for Remote Sensing and Space Sciences & Library of Alexandria BIBALEX)
PAERIP (Coordination and support action)	FP7 INFRA 2011 - 2013 (Ministry of Higher Education and Scientific Research)
AFTER (Collaborative Project)	FP7 KBBE 2010 - 2014 (Alexandria University & National Research Center)
AQUAMED (Coordination and support action)	FP7 KBBE 2010 - 2013 (National Institute of Oceanography and Fisheries)
ARIMNET (Coordination and support action)	FP7 KBBE 2008 - 2013 (The Agricultural Research Center)
BIO CIRCLE (Coordination and support action)	FP7 KBBE 2008 - 2011 (National Research Center)
BIO CIRCLE 2 (Coordination and support action)	FP7 KBBE 2011 - 2013 (National Research Center)
BIOWASTE4SP (SICA)	FP7 KBBE 2012 - 2015 (The Agricultural Research Center)
CREAM (Coordination and support action)	FP7 KBBE 2011 - 2014 (Alexandria University)
FOODSEG (Coordination and support action)	FP7 KBBE 2011 - 2014 (National Research Center)
MYCORED (Collaborative Project)	FP7 KBBE 2009 - 2013 (National Research Center)
PALM PROTECT (Collaborative Project)	FP7 KBBE 2012 - 2014 (The Agricultural Research Center)
SIRRIMED (Collaborative Project)	FP7 KBBE 2010 - 2013 (National Research Center)
SUSTAINMED (Collaborative Project)	FP7 KBBE 2010 - 2013 (Zagazig University)
SWUP-MED (Collaborative Project)	FP7 KBBE 2008 - 2013 (Centre for Environment and Development for the Arab Region and Europe)



ULIXES (Collaborative Project)	FP7 KBBE 2011 - 2014 (Mubarak City for Scientific Research and Technology Applications)
VEG-I-TRADE (Collaborative Project)	FP7 KBBE 2010 - 2014 (Royal International Inspection Laboratory JSC)
WATERBIOTECH (Coordination and support action)	FP7 KBBE 2011 - 2014 (National Research Center)
BIONEXGEN (Collaborative Project)	FP7 NMP 2010 - 2014 (Central Metallurgical Research and Development Institute)
BAT4MED (Coordination (or networking) actions)	FP7 People 2010 – 2013 (Centre for Environment and Development for the Arab Region and Europe & Egyptian Environmental Affairs Agency)
FLOWAIRS (Support for training and career development of researchers (Marie Curie))	FP7 People 2011 - 2015 (Ain Shams University, Faculty of Engineering)
IGF1RHC (Support for training and career development of researchers (Marie Curie))	FP7 People 2013 - (Alexandria University)
MOSQUITOBLOCK (International incoming fellowships (Return phase))	FP7 People 2013 - (Mansoura University)
PEOPLENETWORK+ (Coordination and support action)	FP7 People 2012 - 2013 (Academy of Scientific Research and Technology ASRT)
PREVENTION T2D (Support for training and career development of researchers (Marie Curie))	FP7 People 2009 - 2010 (Ain Shams University ASU Faculty of Medicine)
SOMATAI (Networks for Initial Training (ITN))	FP7 People 2012 - 2016 (German University In Cairo)
NUROMED (Coordination and Support Action)	FP7 Regpot 2009 - 2013 (Alexandria University)
RAMSES (Coordination and support action)	FP7 Regpot 2010 - 2013 (Cairo University)
CASSANDRA (Collaborative Project)	FP7 SEC 2011 - 2014 (North-South Consultants Exchange LLC & Integrated Solutions for Ports JSC)
SHEMERA (Collaborative Project)	FP7 SiS 2011 - 2014 (Arab & African Research Center Limited Partnership & Academy of Scientific Research and Technology ASRT & Alexandria University)
SIS.NET (Coordination and Support Action)	FP7 SiS 2011 - 2013 (Academy of Scientific Research and Technology ASRT)
BRAGMA (Coordination and Support Action)	FP7 SPA 2012 - 2013 (National Authority for Remote Sensing and Space Sciences)
EAMNET (Coordination and support action)	FP7 SPA 2010 - 2013 (National Institute of Oceanography and Fisheries)
SIRIUS (Collaborative Project)	FP7 SPA 2010 - 2013 (Ministry of Water Resources and Irrigation)
CLICO (Collaborative Project)	FP7 SSH 2010 - 2012 (Suez Canal University)
FRAME (Collaborative Project)	FP7 SHH 2013 – 2017 (Cairo Institute for Human Rights Studies Association)
ARABTRANS (SICA, Collaborative Project)	FP7-SSH 2013 – 2016 (The Egyptian Center for Public Opinion Research "Baseera")
MEDPRO (Collaborative Project)	FP7 SSH 2010 - 2013 (Center for Economic and Financial Research and Studies)
SI-DRIVE (Integrated Project)	FP7 SSH 2014 - 2017(Heliopolis University Association)
SAHWA (Small/medium-scale focused research project for specific cooperation actions dedicated to international cooperation partner countries (SICA))	FP7 SSH 2014 - 2016 (American University in Cairo)

	MECODEM (STREP) EumedConnect: NReNs interconnection to GEANT Italian Debt for Development Swap Program Twinning Project with AGCOM & BNETZA Twinning Project between Egypt and France	FP7 SSH 2014 - 2017 (American University in Cairo) ENPI (European Neighbourhood Policy Instrument) 2009 – 2011 Italian Cooperation 2001 – 2011 2008 – 2011 MCIT 2007 Egypt Post & La Poste France
<b>Ethiopia</b>	IST-Africa Initiative (Coordination and support action)  AEGOS (Coordination and support action) AGRICAB (Collaborative project) CLARA (Collaborative project)   CLUVA (Collaborative project) WAHARA (Collaborative project) WHATER (Collaborative project) EARTH2OBSERVE (Collaborative Project) SIGMA (Collaborative Project) AFRICOLEISH (Small or medium-scale focused research project) EMERALD (SICA) EVAL-HEALTH (Collaborative project) REACHOUT (SICA) SURE (Collaborative project) EAU4FOOD (Collaborative project) SOLIBAM (Collaborative project) STAR-IDAZ (Coordination (or networking) actions) GARNET-E (Coordination and support action) ISAC (Collaborative project) CLICO (Collaborative project) DIASPEACE (Collaborative project) FOODSECURE (Collaborative project)	FP7 ICT 2011 – 2015 (Ministry of Science and Technology / Ministry of Communications and Information Technology) – 2 projects FP7 ENV 2008 – 2011 (Geological Survey of Ethiopia) FP7 ENV 2011 – 2015 (Geosas Consulting Service Plc) FP7 ENV 2011 – 2014 (Arbaminch University AMU& Arbaminch Water Supply and Sewerage Enterprise & Arba Minch Town Municipality & Arba Minch Town Egnan New Mayet Compost Production Youth Association & Wubet le Arba Minch Micro and Small Scale Trade and Industry Association & Arba Minch Health Center) FP7 ENV 2010 – 2013 (Addis Ababa University) FP7 ENV 2011 – 2016 (Mekelle University) FP7 ENV 2011 – 2014 (Arbaminch University AMU) FP7 ENV 2014 – 2017 (Addis Ababa University) FP7 ENV 2013 – 2017 (Geosas Consulting Service Plc) FP7 Health 2013 – 2015 (University of Gondar)  FP7 Health 2012 – 2017 (Addis Ababa University) FP7 Health 2011 – 2013 (Union Africane) FP7 Health 2013 – 2018 (Ministry Of Health) FP7 Health 2009 – 2014 (Ethiopian Health and Nutrition Research Institute) FP7 KBBE 2011 – 2015 (Mekelle University) FP7 KBBE 2010 – 2014 (Mekelle University) FP7 KBBE 2011 – 2015 (Union Africane) FP7 Space 2010 – 2012 (Geosas Consulting Service Plc) FP7 Space 2011 – 2013 (Geosas Consulting Service Plc) FP7 SSH 2010 – 2012 (Addis Ababa University) FP7 SSH 2008 – 2011 (Forum For Social Studies) FP7 SSH 2012 – 2017 (Ethiopian Economics Association)
<b>Ghana</b>	IST-Africa Initiative (support action) DIGITALWORLD (Coordination and support action) FLOSSINCLUDE (Coordination and support action)	FP7 ICT 2011 - 2013 (Ministry of Environment, Science and Technology) FP7 ICT 2008 - 2009 (Onevillage Foundation) FP7 ICT 2008 - 2010 (Ghana India Kofi Annan Centre of Excellence in ICT –



AEGOS (Coordination and support action)	Advanced Information Technology Institute)
CLIMAFRICA (Collaborative project)	FP7 ENV 2008 - 2011 (Geological Survey Department)
IWWA (Coordination and support action)	FP7 ENV 2010 - 2014 (Council for Scientific and Industrial Research Crops Research Institute Food Research Institute Institute of Industrial Research)
	FP7 ENV 2010 - 2012 (Zoom Domestic Waste Services Limited & Kwame Nkrumah University of Science and Technology Kumasi & Centre for Environment Impacts Analysis Ltd)
QWECI (Collaborative project)	FP7 ENV 2010 - 2013 (Kwame Nkrumah University of Science and Technology Kumasi)
WASHTECH (Collaborative project)	FP7 ENV 2011 - 2013 (Training, Research and Networking For Development LBG & Kwame Nkrumah University of Science and Technology Kumasi)
AFRICA BUILD (Coordination and support action)	FP7 Health 2011 - 2014 (University of Ghana)
APARET (Coordination and support action)	FP7 Health 2011 - 2014 (University of Ghana & Kwame Nkrumah University of Science and Technology Kumasi)
BURULIVAC (Collaborative project)	FP7 Health 2010 - 2013 (Kwame Nkrumah University of Science and Technology Kumasi)
CHEPSAA (Coordination and support action)	FP7 Health 2011 - 2015 (University of Ghana)
E PIAF (Collaborative project)	FP7 Health 2010 - 2014 (Kwame Nkrumah University of Science and Technology Kumasi)
HEALTH INC. (Collaborative project)	FP7 Health 2011 - 2014 (University of Ghana)
IDAMS (Collaborative project)	FP7 Health 2011 - 2016 (Indepth Network)
INTREC (Coordination and support action)	FP7 Health 2012 - 2015 (Indepth Network)
MASCOT (Coordination and support action)	FP7 Health 2011 - 2014 (University of Ghana)
MONITORING MEDICINES (Coordination and support action)	FP7 Health 2009 - 2013 (University of Ghana)
OPTIMUNISE (Collaborative project)	FP7 Health 2011 - 2016 (Ghana Health Service & Indepth Network)
PERFORM (Collaborative project)	FP7 Health 2011 - 2015 (University of Ghana)
QUALMAT (Collaborative project)	FP7 Health 2009 - 2014 (Ghana Health Service)
RODAM (Collaborative project)	FP7 Health 2012 - 2014 (Kwame Nkrumah University of Science and Technology Kumasi & University of Ghana)
STOPENTERICS (Collaborative project)	FP7 Health 2010 - 2015 (University of Ghana)
THESCHISTOVAC (Collaborative project)	FP7 Health 2010 - 2014 (University of Ghana)
T-REC (Coordination and support action)	FP7 Health 2011 - 2015 (Ministry of Health)
GENINVADE (ERC Advanced Grant)	FP7 IDEAS 2012 -2017 (University of Ghana)
CAAST-NET (Coordination and support action)	FP7 INCO 2008 - 2012 (Ministry of Education, Sports and Science & Council for Scientific and Industrial Research)
CAAST-NET PLUS (Coordination and support action)	FP7 INCO 2013 - 2016 (Council for Scientific and Industrial Research & Association of African Universities)
AFTER (Collaborative project)	FP7 KBBE 2010 - 2014 (Council for Scientific and Industrial Research Crops Research Institute Food Research Institute Institute of Industrial Research)
BIOWASTE4SP (SICA)	FP7 KBBE 2012 - 2015 (Council for Scientific and Industrial Research)

	<p>GRATITUDE (Collaborative project)</p> <p>OH-NEXTGEN (Coordination and support action)</p> <p>PROTEINSECT (SICA)</p> <p>SECUREFISH (Collaborative project)</p> <p>CAPWA (Collaborative project)</p> <p>BAFADIA (International incoming fellowships (Return phase))</p> <p>EAMNET (Coordination and support action)</p> <p>SAGA-EO (Coordination and support action)</p> <p>MAFE (Collaborative project)</p> <p>NOPOOR (Collaborative project)</p> <p>RURBANAFRICA (Collaborative project)</p>	<p>FP7 KBBE 2012 - 2014 (Council for Scientific and Industrial Research Crops Research Institute Food Research Institute Institute of Industrial Research &amp; St.Baasa Ghana Limited &amp; Caltech Ventures Ltd &amp; Social Development and Improvement Agency LBG)</p> <p>FP7 KBBE 2011 - 2015 (University of Ghana)</p> <p>FP7 KBBE 2013 - 2016 (Fish for Africa - Ghana Limited Byguarantee)</p> <p>FP7 KBBE 2012 - 2014 (Council for Scientific and Industrial Research Crops Research Institute Food Research Institute Institute of Industrial Research)</p> <p>FP7 NMP 2010 - 2013 (Kwame Nkrumah University of Science and Technology Kumasi)</p> <p>FP7 People 2013 - (University of Ghana)</p> <p>FP7 SPA 2010 - 2013 (University of Ghana)</p> <p>FP7 SPA 2010 - 2012 (Ghana Meteorological Agency)</p> <p>FP7 SSH 2008 - 2012 (University of Ghana)</p> <p>FP7 SSH 2012 - 2017 (The Ghana Center for Democratic Development Lbg)</p> <p>FP7 SSH 2012 - 2016 (University of Ghana)</p>
<b>Kenya</b>	<p>IST-AFRICA Initiative (Support action)</p> <p>E-AGRI (Collaborative project)</p> <p>EUROAFRICA-P8 (Coordination and support action)</p> <p>AFRICAN CLIMATE (Coordination and support action)</p> <p>AFROMAISON (Collaborative project)</p> <p>AGRICAB (Collaborative project)</p> <p>CLARA (Collaborative project)</p> <p>CLIMAFRICA (Collaborative project)</p> <p>DEWFORA (Collaborative project)</p> <p>EUROGEOSS (Collaborative project)</p> <p>HEALTHY FUTURES (Collaborative project)</p> <p>HERMIONE (Collaborative project)</p> <p>I-REDD+ (Collaborative project)</p> <p>KNOSSOS (Coordination and support action)</p> <p>OPENNESS (Collaborative project (generic))</p> <p>QWECI (Collaborative project)</p> <p>REDD-ALERT (Collaborative project)</p>	<p>FP7 ICT 2009 - 2015 (Ministry of Education, Science and Technology) – 3 projects</p> <p>FP7 ICT 2011 - 2014 (Ministry of Environment and Mineral Resources)</p> <p>FP7 ICT 2012 - 2013 (The Kenya Information and Communications Technology Board)</p> <p>FP7 ENV 2011 - 2014 (International Centre for Research in Agroforestry &amp; IGAD Centre for Climate Prediction and Application )</p> <p>FP7 ENV 2011 - 2014 (International Centre for Research in Agroforestry)</p> <p>FP7 ENV 2011 - 2015 (International Livestock Research Institute &amp; Regional Centre for Mapping of Resources for Development &amp; Ministry of Environment and Mineral Resources)</p> <p>FP7 ENV 2011 - 2014 (Egerton University)</p> <p>FP7 ENV 2010 - 2014 (IGAD Centre for Climate Prediction and Application)</p> <p>FP7 ENV 2011 - 2013 (IGAD Centre for Climate Prediction and Application)</p> <p>FP7 ENV 2009 - 2012 (United Nations Environment Programme)</p> <p>FP7 ENV 2011 - 2014 (University of Nairobi &amp; International Livestock Research Institute &amp; Kenya Medical Research Institute)</p> <p>FP7 ENV 2009 - 2012 (United Nations Environment Programme)</p> <p>FP7 ENV 2011 - 2014 (International Centre for Research in Agroforestry)</p> <p>FP7 ENV 2010 - 2014 (United Nations Environment Programme)</p> <p>FP7 ENV 2012 - 2017 (Kenya Forestry Research Institute)</p> <p>FP7 ENV 2010 - 2013 (International Livestock Research Institute)</p> <p>FP7 ENV 2009 - 2012 (International Centre for Research in Agroforestry)</p>

SUSTAINERGYNET (Coordination and support action)	FP7 ENV 2008 - 2010 (Afrepren/Fwd Energy, Environment and Development Network For Africa)
WHATER (Collaborative project)	FP7 ENV 2011 - 2014 (International Centre for Research in Agroforestry)
HELIX (Collaborative project)	FP7 ENV 2013 - 2017 (IGAD Centre for Climate Prediction and Application)
SIGMA (Collaborative project)	FP7 ENV 2013 - 2017 (Regional Centre for Mapping of Resources for Development)
DECIDE (Support for frontier research (ERC))	FP7 ERC 2012 - 2017 (Kenya Medical Research Institute)
DIRTPOL (ERC Advanced Grant)	FP7 ERC 2013 - 2017 (Kenyatta University)
ANOPOPAGE (Collaborative project)	FP7 Health 2009 - 2012 (International Centre of Insect Physiology and Ecology)
AVECNET (Collaborative project)	FP7 Health 2011 - 2016 (Kenya Medical Research Institute)
CHEPSAA (Coordination and support action)	FP7 Health 2011 - 2015 (Tropical Institute of Community Health and Development Trust)
DIFFER (Collaborative project)	FP7 Health 2011 - 2016 (International Centre for Reproductive Health Association)
GO4HEALTH (Coordination (or networking) actions)	FP7 Health 2012 - 2015 (University of Nairobi Enterprises and Services Limited)
IDEA (Collaborative project)	FP7 Health 2010 - 2015 (Kenya Medical Research Institute)
ISA (Coordination and support action)	FP7 Health 2009 - 2012 (The Christian Missionary Fellowship & University of Nairobi)
MALVECBLOK (Collaborative project)	FP7 Health 2009 - 2012 (International Centre of Insect Physiology and Ecology)
MOMI (Collaborative project)	FP7 Health 2011 - 2016 (International Centre for Reproductive Health Association)
MONITORING MEDICINES (Coordination and support action)	FP7 Health 2009 - 2013 (Pharmacy and Poisons Board, Ministry of Health)
NANOTRYP (Collaborative project)	FP7 Health 2009 - 2013 (National Museums of Kenya*Institute of Primate Research)
REACHOUT (SICA)	FP7 Health 2013 - 2018 (Liverpool VCT, Care and Treatment Association)
SDH-NET (Coordination and support action)	FP7 Health 2011 - 2015 (University of Nairobi)
THESCHISTOVAC (Collaborative project)	FP7 Health 2010 - 2014 (Kenya Medical Research Institute)
CAAST-NET (Coordination and support action)	FP7 INCO 2008 - 2012 (Ministry of Education, Science and Technology)
CAAST-NET PLUS (Coordination and support action)	FP7 INCO 2013 - 2016 (Ministry of Education, Science and Technology & United Nations Environment Programme)
ERAFRICA (Coordination and support action)	FP7 INCO 2010 - 2013 (Ministry of Education, Science and Technology)
INCOFISH (Specific Targeted Research Project)	FP7 INCO 2005 - 2008 (Kenya Sea Turtle Conservation Committee)
EURIPRED (Combination of CP and CSA)	FP7 INFRA 2013 - 2017 (Kenya Medical Research Institute)
INFRAVEC (Combination of CP & CSA)	FP7 INFRA 2009 - 2013 (International Centre of Insect Physiology and Ecology)
PAERIP (Coordination and support action)	FP7 INFRA 2011 - 2013 (Ministry of Education, Science and Technology)
AFSPAN (Coordination and support action)	FP7 KBBE 2012 - 2014 (Ministry of Fisheries Development)
ANIMALCHANGE (Collaborative project)	FP7 KBBE 2011 - 2015 (International Livestock Research Institute)
APROPOS (Collaborative project)	FP7 KBBE 2012 - 2014 (University of Nairobi)
BENWOOD (Coordination and support action)	FP7 KBBE 2009 - 2011 (International Centre for Research in Agroforestry)

<p>           BIOWASTE4SP (SICA)            CA2AFRICA (Coordination and support action)            FOODMETRES (Collaborative Project targeted to a special group (such as SMEs))            ICONZ (Collaborative project)            INSTAPA (SICA)            JOLISAA (Coordination and support action)            LIPOYEASTS (Collaborative project)            SECUREFISH (Collaborative project)            AGFORWARD (Large scale Integrated project)            BIRD ATLAS (International incoming fellowships (Return phase))            GENDRIVAX (Support for training and career development of researchers (Marie Curie))            LYNGBYA-KENYA (Support for training and career development of researchers (Marie Curie))            EJOLT (Coordination and support action)            SET-DEV (Coordination and support action)              BRAGMA (Coordination and support action)            GARNET-E (Coordination and support action)              CREATING (Coordination and support action)            SOLUTIONS (Coordination (or networking) actions)            TACIT: Tackling Aids and Tuberculosis through Communication and Information Technologies            Africa4All Parliamentary Initiative            Capacity-building programme and Community Development in Internet Governance and ICT Policy            Enhancing Energy Accessibility &amp; Efficiency through Sustainable STI Support National Networks with a Regional Dimension in East Africa (ENRICH)            ict@innovation            Empowering SHGs in Kenya and India through ICT for better education and alternative livelihood opportunities            Open access: knowledge sharing and sustainable scholarly communication in Kenya, Tanzania and Uganda            M-Governance: Exploring conditions for successful Mobile Governance in Kenya            Acceleration of ICTs in Human Rights and Democracy Project - Kenya         </p>	<p>           FP7 KBBE 2012 - 2015 (African Institute for Capacity Development)            FP7 KBBE 2010 - 2012 (African Conservation Tillage Network)            FP7 KBBE 2012 - 2015 (University of Nairobi)              FP7 KBBE 2009 - 2014 (International Livestock Research Institute)            FP7 KBBE 2008 - 2013 (University of Nairobi)            FP7 KBBE 2010 - 2013 (Kenya Agricultural Research Institute)            FP7 KBBE 2008 - 2011 (University of Nairobi)            FP7 KBBE 2012 - 2014 (Kenya Marine and Fisheries Research Institute)            FP7 KBBE 2014 - 2017 (International Centre for Research In Agroforestry)            FP7 People 2012 - (National Museums of Kenya)            FP7 People 2011 - 2014 (Kenya Medical Research Institute)              FP7 People 2013 - (Pwani University College)              FP7 SiS 2011 - 2015 (The East Africa Natural History Society Association)            FP7 SiS 2008 - 2011 (African Technology Policy Studies Network &amp; Intermedia NCG Limited)            FP7 SPA 2012 - 2013 (Ministry of Education, Science and Technology)            FP7 SPA 2010 - 2012 (Regional Centre for Mapping of Resources for Development)            FP7 SSH 2008 - 2010 (Institut Francais de Recherche en Afrique)            FP7 Transport 2013 - 2016 (United Nations Human Settlements Programme)            EDF9 (@CP-ICT capacity-building programme) 2009 – 11              EDF9 (@CP-ICT capacity-building programme) 2009 – 11            EDF9 (@CP-ICT capacity-building programme) 2009 – 11              ACP              BMZ Germany 2008 – 2010            SPIDER/SIDA, Sweden, 2007 – 2010              SPIDER / SIDA, Sweden, 2013 - 2014              SPIDER / SIDA, Sweden, 2011 - 2013              SPIDER / SIDA, Sweden, 2013 - 2014         </p>
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	Promoting Quality Education through ICT Integration of ICT in vocational courses	IICD / Edukans Netherlands, 2011 - 2015 IICD / Edukans Netherlands, 2012 - 2015
<b>Lesotho</b>	IST-Africa Initiative (Support Action) Africa4All Parliamentary Initiative	FP7 2008 – 2013 (Ministry of Communications, Science and Technology) EDF9 (@CP-ICT capacity-building programme) 2009 – 11
<b>Malawi</b>	IST-Africa Initiative (Support Action)  CLIMAFRICA (Collaborative project) QWECI (Collaborative project) ARCADE HSSR (Coordination and support action) AVECNET (Collaborative project)  COST – AFRICA (Collaborative project) EQUITABLE (Collaborative project) ETATMBA (Collaborative project) MOMI (Collaborative project)  REACHOUT (SICA)  SUPPORTING LIFE (Small or medium-scale focused research project) CAAST-NET PLUS (Coordination and support action) SARNISSA (Coordination and support action) EJOLT (Coordination and support action) Africa Connect Training for ICT officers National Information Repository project Training on website eGovernment project Pan-African eNetwork Project National Library Services Project Regional Communications Infrastructure Program/Infrastructure	FP7 2011 – 2015 (National Commission for Science and Technology) - 2 projects FP7 Environment 2010 – 2014 (University of Malawi) FP7 Environment 2010 – 2013 (University of Malawi) FP7 Health 2011 – 2015 (University of Malawi) FP7 Health 2011 – 2016 (The Registered Trustees of the Research for Equity and Community Health Trust) FP7 Health 2011 – 2016 (University of Malawi) FP7 Health 2009 – 2013 (University of Malawi) FP7 Health 2011 – 2014 (Malawi Ministry of Health and University of Malawi) FP7 Health 2011 – 2016 (The Registered Trustees of the Parent and Child Health Initiative Trust) FP7 Health 2013 – 2018 (The Registered Trustees of the Research for Equity and Community Health Trust) FP7 Health 2013 – 2017 (Mzuzu University, the Registered Trustees of the Ungweru) FP7 INCO 2013 – 2016 (Ministry Of Education, Science And Technology) FP7 KBBE 2008 – 2011 (University Of Malawi) FP7 Science-In-Society 2011 – 2015 (Citizens for Justice) European Commission (2010 – 2014) Norway (2008 – 2012) United Kingdom (2011 – 2012) IDS Scotland China India Global Future Charitable Trust, Australia World Bank
<b>Mauritius</b>	IST-Africa Initiative (Support action) IPv6 Deployment Support 6DEPLOY-2 / 6DEPLOY (Coordination and support action) EPI-MIGRANT (Collaborative project)	FP7 ICT 2008 – 2013 (National Computer Board NCB) FP7 INFRA 2010 – 2013 (African Network Information Centre (Afrinic) Ltd)  FP7 Health 2011 – 2014 (University of Mauritius)



	EASSy Deep-sea fibre cable East-Africa Underwater Telecommunication Cable Consultancy to assess connecting Rodrigues to submarine fibre cable Review of National ICT Strategic Plan Open Platform for Volunteer Thinking Sustainable Public Procurement Data Protection Compliance Consultancy Capacity Building Programme on Green IT Sustainable Buildings and Construction for Mauritius Consultancy	German Federal Ministry of Economic Cooperation (BMZ), AfDB, AFD, IFC Agence Francaise de Developpement African Development Bank IDRC United Nations Environment Programme (UNEP) European Commission European Commission European Commission
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<b>Mozambique</b>	IST-Africa Initiative (Support action) IRMA (Collaborative project) AGRICAB (Collaborative project)  DEWFORA (Collaborative project) EO2HEAVEN (Collaborative project)  CUT'HIVAC (Collaborative project) DIFFER (Collaborative project)  MOMI (Collaborative project)  NANOTRYP (Collaborative project) REACHOUT (SICA) SURE (Collaborative project)  EAU4FOOD (Collaborative project) ICONZ (Collaborative project) MYWATER (Collaborative project) REDD-FLAME (Collaborative project) SAGA-EO (Coordination and support action) WATPLAN (Collaborative project) Africa Connect STIFIMO Creating Sustainable Business in the Knowledge Economy	FP7 ICT 2008 – 2015 (UITCT / INTIC) – 4 projects FP7 ICT 2008 – 2009 (Instituto Nacional de Gestao de Calamidades) FP7 ENV 2011 – 2015 (Instituto Nacional De Meteorologia & Universidade Eduardo Mondlane) FP7 ENV 2011 – 2013 (Universidade Eduardo Mondlane) FP7 ENV 2010 – 2013 (Unidade Tecnica de Implementacao da Politica de Informatica) FP7 Health 2010 – 2014 (Instituto Nacional de Saúde) FP7 Health 2011 – 2016 (Associacao Centro Internacional para Saude Reprodutiva) FP7 Health 2011 – 2016 (Associacao Centro Internacional para Saude Reprodutiva & Universidade Eduardo Mondlane) FP7 Health 2009 – 2013 (Universidade Eduardo Mondlane) FP7 Health 2013 – 2018 (Universidade Eduardo Mondlane) FP7 Health 2009 – 2014 (Ministerio de Saúde & Universidade Eduardo Mondlane) FP7 KBBE 2011 – 2015 (Universidade Eduardo Mondlane) FP7 KBBE 2009 – 2014 (Universidade Eduardo Mondlane) FP7 Space 2011 – 2013 (Universidade Eduardo Mondlane) FP7 Space 2011 – 2013 (Universidade Eduardo Mondlane) FP7 Space 2010 – 2012 (Instituto Nacional De Meteorologia) FP7 Space 2011 – 2013 (We Consult Limitada) European Commission, 2010 - 2014 MFA Finland 2010 – 2014 MFA Finland 2010 – 2012
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	<p>Southern Africa Innovation Support Programme (SAIS)</p> <p>Mobile Banking in Rural Areas</p> <p>Government Electronic Network</p> <p>SISTAFE</p> <p>ExTTI: Excellence in ICT Use for Learning Purposes</p> <p>Through Innovation Contributions</p> <p>ict@innovation</p>	<p>MFA Finland, 2011 - 2015</p> <p>German Federal Ministry of Economic Cooperation (BMZ)</p> <p>MFA Italy 2010 - 2013</p> <p>Belgium &amp; Norway 2010 – 2012</p> <p>EDF9 (@CP-ICT capacity-building programme) 2009 – 11</p> <p>EDF9 (@CP-ICT capacity-building programme) 2009 – 11</p> <p>BMZ Germany 2008 - 2010</p>
<b>Namibia</b>	<p>IST-Africa Initiative (Support action)</p> <p>PREFACE (Collaborative project)</p> <p>EQUITABLE (Collaborative project)</p> <p>INCOFISH (Specific Targeted Research Project)</p> <p>CTA-PP (Combination of CP &amp; CSA)</p> <p>DEEPFISHMAN (Collaborative project)</p> <p>SECUREFISH (Collaborative project)</p> <p>EJOLT (Coordination and support action)</p> <p>Southern Africa Innovation Support Programme (SAIS)</p> <p>Africa4All Parliamentary Initiative</p> <p>TACIT: Tackling Aids and Tuberculosis through Communication and Information Technologies</p> <p>ict@innovation</p> <p>Pan African e-Network Project</p>	<p>FP7 ICT 2008 – 2015 (Ministry of Education / National Commission on Research, Science and Technology) – 4 projects</p> <p>FP7 ENV 2013 – 2017 (Ministry of Fisheries and Marine Resources)</p> <p>FP7 Health 2009 - 2013 (University of Namibia)</p> <p>FP7 INCO 2005 – 2008 (University of Namibia)</p> <p>FP7 Research Infrastructure 2010 – 2013 (University of Namibia)</p> <p>FP7 KBBE 2009 – 2012 (Ministry of Fisheries and Marine Resources)</p> <p>FP7 KBBE 2012 - 2014 (University of Namibia)</p> <p>FP7 SIS 2011 – 2015 (Earthlife Namibia Trust)</p> <p>MFA Finland, 2011 – 2015</p> <p>EDF9 (@CP-ICT capacity-building programme) 2009 – 11</p> <p>EDF9 (@CP-ICT capacity-building programme) 2009 – 11</p> <p>BMZ Germany 2008 – 2012</p> <p>India</p>
<b>Senegal</b>	<p>IST-Africa Initiative (Support action)</p> <p>EUROAFRICA-P8 (Coordination and support action)</p> <p>EUROAFRICA-ICT (Coordination and support action)</p> <p>IRMA (Collaborative project)</p> <p>VOICES (Collaborative project)</p> <p>AEGOS (Coordination and support action)</p> <p>AFRICAN CLIMATE (Coordination and support action)</p> <p>AGRICAB (Collaborative project)</p> <p>CLUVA (Collaborative project)</p> <p>IWWA (Coordination and support action)</p>	<p>FP7 ICT 2008 – 2015 (Ministère de la Recherche Scientifique) – 4 projects</p> <p>FP7 ICT 2012 – 2013 (Ecole Supérieure Multinationale des Telecommunications)</p> <p>FP7 ICT 2008 – 2009 (Institut Panos Afrique de L'ouest)</p> <p>FP7 ICT 2008 – 2011 (Centre de Suivi Ecologique)</p> <p>FP7 ICT 2011 – 2013 (Ecole Supérieure Multinationale des Telecommunications)</p> <p>FP7 ENV 2008 – 2011 (Ministère des Mines et de l'Industrie)</p> <p>FP7 ENV 2011 – 2014 (Environnement et Développement du Tiers Monde Organisation Internationale)</p> <p>FP7 ENV 2011 – 2015 (Centre de Suivi Ecologique)</p> <p>FP7 ENV 2010 – 2013 (Université Gaston Berger de Saint Louis)</p> <p>FP7 ENV 2010 – 2012 (Environnement et Développement du Tiers Monde)</p>



QWECI (Collaborative project)  
 UNDESERT (Collaborative project)  
 PREFACE (Collaborative project)  
 HELIX (Collaborative project)  
 CHAIN (Collaborative project)  
 EDENEXT (Collaborative project)  
 EUROWESTNILE (Collaborative project)  
 HEALTH INC. (Collaborative project)  
 PROLIFICA (Collaborative project)  
 GENINVADE (ERC Advanced Grant)  
 CAAST-Net (Coordination and support action)  
 CAAST-NET PLUS (Coordination and support action)  
 INCOFISH (Specific Targeted Research Project)  
 INFRAVEC (Combination of CP & CSA)  
 AFTER (Collaborative project)  
 AGFOODTRADE (Collaborative project)  
 ANIMALCHANGE (Collaborative project)  
 ARBO-ZOONET (Coordination and support action)  
 FUNCITREE (Collaborative project)  
 INSARD (Coordination and support action)  
 OH-NEXTGEN (Coordination and support action)  
 VMERGE (Collaborative Project targeted to a special group (such as SMEs))  
 WATERBIOTECH (Coordination and support action)  
 AFRICANMIGRANTWOMEN  
 SAGA-EO (Coordination and support action)  
 EUMAGINE (Collaborative project)  
 EURESCL (Collaborative project)  
 MAFE (Collaborative project)  
 NOPOOR (Collaborative project)

Organisation Internationale & Conseil Regional de Matam & Institut Africain de Gestion Urbaine)  
 FP7 ENV 2010 – 2013 (Centre de Suivi Ecologique & Institut Pasteur de Dakar & Universite Cheikh Anta Diop de Dakar)  
 FP7 ENV 2010 – 2015 (Universite Cheikh Anta Diop de Dakar)  
 FP7 ENV 2013 – 2017 (Institut Senegalais de Recherches Agricoles, Universite Cheikh Anta Diop de Dakar)  
 FP7 ENV 2013 – 2017 (Agence Nationale de la Meteorologie du Senegal)  
 FP7 Health 2009 – 2014 (Universite Cheikh Anta Diop de Dakar)  
 FP7 Health 2011 – 2014 (Institut Senegalais de Recherches Agricoles)  
 FP7 Health 2011 – 2014 (Institut Pasteur de Dakar)  
 FP7 Health 2011 – 2014 (Centre De Recherche Sur Les Politiques Sociales)  
 FP7 Health 2011 – 2016 (Universite Cheikh Anta Diop de Dakar)  
 FP7 IDEAS 2012 – 2017 (Universite Cheikh Anta Diop de Dakar)  
 FP7 INCO 2008 – 2012 (Ministere de la Recherche Scientifique)  
 FP7 INCO 2013 – 2016 (Ministere de la Recherche Scientifique)  
 FP7 INCO 2005 – 2008 (Centre de Recherches Oc anographiques de Dakar Thiaroye)  
 FP7 KBBE 2009 – 2013 (Institut Pasteur de Dakar)  
 FP7 KBBE 2010 – 2014 (Universite Cheikh Anta Diop de Dakar & Association Afrique Agro Export)  
 FP7 KBBE 2008 – 2011 (Institut Senegalais de Recherches Agricoles)  
 FP7 KBBE 2011 – 2015 (Institut Senegalais de Recherches Agricoles)  
 FP7 KBBE 2008 – 2012 (Institut Pasteur de Dakar)  
 FP7 KBBE 2009 – 2013 (Institut Senegalais de Recherches Agricoles)  
 FP7 KBBE 2011 – 2013 (Reseau des Plates Formes d'ong d'Afrique de l'Ouest et du Centre REPAOC)  
 FP7 KBBE 2011 – 2015 (Ecole Inter-Etats des Sciences et Medecine Veterinaires de Dakar)  
 FP7 KBBE 2013 – 2016 (Institut Senegalais de Recherches Agricoles)  
 FP7 KBBE 2011 – 2014 (Universite Cheikh Anta Diop de Dakar)  
 FP7 People 2012 – 2013 (Universite Cheikh Anta Diop de Dakar)  
 FP7 Space 2012 – 2013 (Agence Nationale De la Meteorologie du Senegal)  
 FP7 SSH 2010 – 2013 (Universite Cheikh Anta Diop de Dakar)  
 FP7 SSH 2008 – 2012 (Universite Cheikh Anta Diop de Dakar)  
 FP7 SSH 2008 – 2012 (Universite Cheikh Anta Diop de Dakar)  
 FP7 SSH 2012 – 2017 (Consortium Pour la Recherche Economique et Sociale)

	SIST Project Community Multimedia Centres & Code Learn	France Switzerland
<b>South Africa</b>	<p>IST-Africa Initiative (Support action)</p> <p>AIDA (Coordination and support action)</p> <p>AUTOPROFIT (Collaborative project)</p> <p>DIGITALWORLD (Coordination and support action)</p> <p>EUROAFRICA-ICT (Coordination and support action)</p> <p>EUROAFRICA-ICT.ORG (Coordination and support action)</p> <p>EUROAFRICA-P8 (Coordination and support action)</p> <p>FLOSSINCLUDE (Coordination and support action)</p> <p>GRIFS (Coordination and support action)</p> <p>IRMA (Collaborative project)</p> <p>MASSIF (Collaborative project (generic))</p> <p>OSIRIS (Coordination and support action)</p> <p>S-PULSE (Coordination and support action)</p> <p>VOICES (Collaborative project)</p> <p>TRESCIMO (Collaborative project)</p> <p>MOSAIC 2B (Collaborative project)</p> <p>COCATE (Collaborative project)</p> <p>ENEXAL (Collaborative project)</p> <p>OCTAVIUS (Collaborative project)</p> <p>TOPS (Collaborative project)</p> <p>STAGE-STE (Collaborative project)</p> <p>AEGOS (Coordination and support action)</p> <p>AFRICAN CLIMATE (Support actions)</p> <p>AFROMAISON (Collaborative project)</p> <p>AGRICAB (Collaborative project)</p> <p>CARBOCHANGE (Large-scale integrating project)</p> <p>CLARA (Collaborative project)</p> <p>CLIMAFRICA (Collaborative project)</p> <p>CLUVA (Collaborative project)</p> <p>DEVCOCAST (Support actions)</p> <p>DEWFORA (Collaborative project)</p>	<p>FP7 ICT 2008-2015 (Department of Science and Technology) – 4 projects</p> <p>FP7 ICT 2008-2010 (Council for Scientific and Industrial Research)</p> <p>FP7 ICT 2010-2013 (Sasol Synfuels (PTY))</p> <p>FP7 ICT 2008-2009 (Council for Scientific and Industrial Research)</p> <p>FP7 ICT 2008-2009 (Council for Scientific and Industrial Research)</p> <p>FP7 ICT 2010-2011 (Council for Scientific and Industrial Research)</p> <p>FP7 ICT 2012-2013 (Council for Scientific and Industrial Research)</p> <p>FP7 ICT 2008-2010 (University of the Western Cape)</p> <p>FP7 ICT 2008-2009 (GS1 South Africa)</p> <p>FP7 ICT 2008-2011 (Council for Scientific and Industrial Research)</p> <p>FP7 ICT 2010-2013 (T-Systems South Africa (PTY) Ltd)</p> <p>FP7 ICT 2010-2011 (Council for Scientific and Industrial Research)</p> <p>FP7 ICT 2008-2010 (Stellenbosch University)</p> <p>FP7 ICT 2011-2013 (Council for Scientific and Industrial Research &amp; Noordwes-Universiteit)</p> <p>FP7 ICT 2014 - 2015 (CSIR, University of Cape Town, Eskom Holdings Ltd)</p> <p>FP7 ICT 2013 - 2015 (University of Pretoria, Infusion Knowledge Hub (Pty) Ltd)</p> <p>FP7 Energy 2010-2012 (South African National Energy Research Institute Prioprietary Limited)</p> <p>FP7 Energy 2010-2014 (Lindbergh Trading (Proprietary) Limited)</p> <p>FP7 Energy 2012-2017 (Ecometrix Africa Ltd)</p> <p>FP7 Energy 2013-2016 (Golder Associates Africa PTY Ltd)</p> <p>FP7 Energy 2014 - 2018 (Stellenbosch University)</p> <p>FP7 ENV 2008-2011 (Council for Geoscience)</p> <p>FP7 ENV 2011-2014 (University of the Witwatersrand Johannesburg &amp; Food Agriculture and Natural Resources Policy Analysis Network)</p> <p>FP7 ENV 2011-2014 (University of Kwazulu-Natal &amp; Institute of Natural Resources Association)</p> <p>FP7 ENV 2011-2015 (Council for Scientific and Industrial Research)</p> <p>FP7 ENV 2011-2015 (Council for Scientific and Industrial Research)</p> <p>FP7 ENV 2011-2014 (Water Research Commission)</p> <p>FP7 ENV 2010-2014 (University of Cape Town)</p> <p>FP7 ENV 2010-2013 (Council for Scientific and Industrial Research)</p> <p>FP7 ENV 2008-2011 (Council for Scientific and Industrial Research &amp; University of Cape Town)</p> <p>FP7 ENV 2011-2013 (Council for Scientific and Industrial Research &amp; WR</p>

EBONE (Small or medium-scale focused research project)	Nyabeze and Associates)
EO2HEAVEN (Collaborative project)	FP7 ENV 2008-2012 (Council for Scientific and Industrial Research)
EO-MINERS (SICA)	FP7 ENV 2010-2013 (University of Kwazulu-Natal & Council for Scientific and Industrial Research)
EOPOWER (Coordination (or networking) actions)	FP7 ENV 2010-2013 (Council for Geoscience & Anglo Operations Limited)
FUME (Collaborative project)	FP7 ENV 2013-2015 (South Africa National Space Agency)
GEONETCAB (Support actions)	FP7 ENV 2010-2013 (South African National Biodiversity Institute)
GMOS (Collaborative project)	FP7 ENV 2009-2013 (Umvoto Africa (PTY) Ltd & Council for Scientific and Industrial Research)
GREENSEAS (SICA)	FP7 ENV 2010-2015 (South African Weather Service)
HEALTHY FUTURES (Collaborative project)	FP7 ENV 2011-2013 (Council for Scientific and Industrial Research & University of Cape Town)
IMPRINTS (Small or medium-scale focused research project)	FP7 ENV 2011-2014 (University of Cape Town)
IWWA (Coordination and support action)	FP7 ENV 2009-2012 (University of Kwazulu-Natal)
LIVEDIVERSE (SICA)	FP7 ENV 2010-2012 (Influential Inputs Cc)
MEECE (Large-scale integrating project)	FP7 ENV 2009-2012 (Council for Scientific and Industrial Research)
PRACTICE (Support actions)	FP7 ENV 2008-2013 (University of Cape Town)
QWECI (Collaborative project)	FP7 ENV 2009-2012 (Noordwes-Universiteit)
WHATER (Collaborative project)	FP7 ENV 2010-2013 (University of Pretoria)
PREFACE (Collaborative project)	FP7 ENV 2011-2014 (University of Kwazulu-Natal)
LUC4C (Collaborative project)	FP7 ENV 2013 - 2017 (University of Cape Town)
CARBOWASTE (Collaborative project (generic))	FP7 ENV 2013 - 2017 (University of Cape Town)
EUROPAIRS (Support actions)	FP7 EURATOM-FISSION 2008-2013 (Outh African Nuclear Energy Corporation Limited & Pebble Bed Modular Reactor Company (PTY) Ltd)
NC2I-R (Coordination (or networking) actions)	FP7 EURATOM-FISSION 2009-2011 (Noordwes-Universiteit)
NUCL-EU (Coordination (or networking) actions)	FP7 EURATOM-FISSION 2013-2015 (Noordwes-Universiteit)
AMASA (Collaborative project)	FP7 EURATOM-FISSION 2009-2013 (South African Nuclear Energy Corporation Limited)
ARCADE HSSR (Coordination and support action)	FP7 Health 2010-2013 (University of the Western Cape)
ARCADE RSDH (Coordination (or networking) actions)	FP7 Health 2011-2015 (Stellenbosch University)
ATP (unspecified)	FP7 Health 2011-2015 (Stellenbosch University)
CCH FEVER (Small or medium-scale focused research project)	FP7 Health 2009-2013 (South African Medical Research Council)
CHAARM (Large-scale integrating project)	FP7 Health 2010-2014 (National Health Laboratory Services)
CHEPSAA (Coordination and support action)	FP7 Health 2010-2014 (Council for Scientific and Industrial Research)
CRIMALDDI (Coordination and support action)	FP7 Health 2011-2015 (University of Cape Town & University of the Western Cape & University of the Witwatersrand Johannesburg)
DIFFER (Collaborative project)	FP7 Health 2009-2011 (University of Cape Town)
EMERALD (SICA)	FP7 Health 2011-2016 (University of the Witwatersrand Johannesburg)
	FP7 Health 2012-2017 (University of Cape Town & University of Kwazulu-Natal)

EQUITABLE (Collaborative project)	FP7 Health 2009-2013 (Human Sciences Research Council of South Africa & Stellenbosch University & Secretariat of the African Decade of Persons With Disabilities)
EUCO-NET (Support actions)	FP7 Health 2008-2010 (Stellenbosch University)
EVIMALAR (Network of Excellence)	FP7 Health 2009-2014 (University of Pretoria)
GEN2PHEN (Large-scale integrating project)	FP7 Health 2008-2013 (University of the Western Cape)
GO4HEALTH (Coordination (or networking) actions)	FP7 Health 2012-2015 (Section27 Incorporating the Aids Law Project Association Section 21)
HARP (SICA)	FP7 Health 2010-2014 (University of the Witwatersrand Johannesburg)
HURAPRIM (Collaborative project)	FP7 Health 2011-2015 (Wits Health Consortium (PTY) Ltd)
MASCOT (Coordination and support action)	FP7 Health 2011-2014 (University of the Witwatersrand Johannesburg)
MM4TB (Large-scale integrating project)	FP7 Health 2011-2016 (University of Cape Town)
MUTHI (Coordination and support action)	FP7 Health 2011-2014 (University of the Western Cape & Universiteit van die Oranje Vrystaat)
NOVSEC-TB (Small or medium-scale focused research project)	FP7 Health 2008-2011 (South African Medical Research Council)
PATHCO (Small or medium-scale focused research project)	FP7 Health 2012-2017 (University of Cape Town)
PREPARE (Collaborative project)	FP7 Health 2010-2014 (University of Cape Town & University of Limpopo)
RN4CAST (Collaborative project)	FP7 Health 2009-2011 (Noordwes-Universiteit)
SDH-NET (Coordination and support action)	FP7 Health 2011-2015 (University of the Witwatersrand Johannesburg)
TANDEM (Small or medium-scale focused research project)	FP7 Health 2013-2017 (Stellenbosch University)
TBSUSGENT (Coordination (or networking) actions)	FP7 Health 2008-2012 (University of Cape Town Lung Institute PTY Ltd*)
THINC (Small or medium-scale focused research project)	FP7 Health 2008-2012 (University of Kwazulu-Natal)
T-REC (Coordination and support action)	FP7 Health 2011-2015 (Africa Society for Blood Transfusion)
UNITAS (Collaborative project)	FP7 Health 2011-2015 (University of Kwazulu-Natal & University of the Witwatersrand Johannesburg & University of Cape Town)
ABESTII (Support actions)	FP7 INCO 2009-2012 (Department of Science and Technology)
CAAST-NET (Coordination and support action)	FP7 INCO 2008-2012 (Department of Science and Technology & Research Research (Africa) (PTY) Ltd)
CAAST-NET PLUS (Coordination (or networking) actions)	FP7 INCO 2013-2016 (Department of Science and Technology & Research Research (Africa) (PTY) Ltd)
ERAFRICA (Coordination and support action)	FP7 INCO 2010-2013 (Department of Science and Technology)
ESASTAP PLUS (Support actions)	FP7 INCO 2012-2015 (Department of Science and Technology & Academy of Science of South Africa & Southern African Research and Innovation Management Association)
ESASTAP2 (Support actions)	FP7 INCO 2008-2012 (Department of Science and Technology)
INCOFISH (Specific Targeted Research Project)	FP7 INCO 2005-2008 (University of the Western Cape & Marine and Coastal Management Branch of Environmental Affairs and Tourism)
INCONTACT (Support actions)	FP7 INCO 2008-2009 (Department of Science and Technology)
INCONTACT 2020 (Coordination actions)	FP7 INCO 2013-2015 (Department of Science and Technology)
INCONTACT-ONE WORLD (Coordination and support action)	FP7 INCO 2010-2013 (Department of Science and Technology)

SACCESS (Support actions)	FP7 INCO 2009-2012 (Department of Science and Technology)
BELIEF-II (Coordination and support action)	FP7 Infra 2008-2010 (Council for Scientific and Industrial Research)
CTA-PP (Combination of CP and CSA)	FP7 Infra 2010-2013 (Noordwes-Universiteit)
EURORIS-NET (Coordination (or networking) actions)	FP7 Infra 2007-2011 (Department of Science and Technology)
EURORIS-NET+ (Coordination and support actions)	FP7 Infra 2011-2013 (Department of Science and Technology)
IMPACT (unspecified)	FP7 Infra 2008-2010 (University of Cape Town)
IS-ENES2 (Combination of CP and CSA)	FP7 Infra 2013-2017 (University of Cape Town)
PAERIP (Coordination and support action)	FP7 Infra 2011-2013 (Technoscene (PTY) Ltd)
PREPSKA (Combination of CP and CSA)	FP7 Infra 2008-2012 (National Research Foundation)
RADIONET3 (Combination of CP and CSA)	FP7 Infra 2012-2015 (National Research Foundation)
RADIONET-FP7 (Combination of CP and CSA)	FP7 Infra 2009-2012 (National Research Foundation)
SUP@VAMDC (Coordination and support actions)	FP7 Infra 2012-2014 (University of South Africa)
ADVANZ (Support actions)	FP7 KBBE 2012-2015 (University of Kwazulu-Natal)
AFTER (Collaborative project)	FP7 KBBE 2010-2014 (Council for Scientific and Industrial Research)
AGROCOS (Small or medium-scale focused research project)	FP7 KBBE 2010-2014 (Council for Scientific and Industrial Research)
ANIMALCHANGE (Collaborative project)	FP7 KBBE 2011-2015 (University of Pretoria)
ARBO-ZOONET (Coordination and support action)	FP7 KBBE 2008-2012 (National Health Laboratory Services)
ASFRISK (Small or medium-scale focused research project)	FP7 KBBE 2008-2011 (Agricultural Research Council (ARC))
BIO CIRCLE (Coordination and support action)	FP7 KBBE 2008-2011 (Council for Scientific and Industrial Research)
BIO CIRCLE 2 (Coordination and support action)	FP7 KBBE 2011-2013 (Department of Science and Technology)
BIOWASTE4SP (SICA)	FP7 KBBE 2012-2015 (Council for Scientific and Industrial Research & Ethekwini Municipality)
BRIGHTANIMAL (Coordination (or networking) actions)	FP7 KBBE 2009-2011 (Consumer Goods Council of South Africa)
EAU4FOOD (Collaborative project)	FP7 KBBE 2011-2015 (Council for Scientific and Industrial Research & Stellenbosch University)
FRUIT BREEDOMICS (Large-scale integrating project)	FP7 KBBE 2011-2015 (Agricultural Research Council (ARC))
GRACE (Large-scale integrating project)	FP7 KBBE 2012-2015 (Council for Scientific and Industrial Research)
ICONZ (Collaborative project)	FP7 KBBE 2009-2014 (Stellenbosch University)
INSTAPA (Collaborative project)	FP7 KBBE 2008-2013 (University of Kwazulu-Natal)
JOLISAA (Coordination and support action)	FP7 KBBE 2010-2013 (University of Pretoria)
MODEXTREME (Small or medium-scale focused research project)	FP7 KBBE 2013-2016 (University of Pretoria)
MYCORED (Collaborative project)	FP7 KBBE 2009-2013 (South African Medical Research Council)
OH-NEXTGEN (Coordination and support action)	FP7 KBBE 2011-2015 (University of Pretoria)
ORBIVAC (Small or medium-scale focused research project)	FP7 KBBE 2010-2014 (Deltamune (PTY) Ltd)
PARAVAC (Collaborative project)	FP7 KBBE 2011-2015 (Agricultural Research Council (ARC))
PHARMASEA (Collaborative Project targeted to a special group (such as SMEs))	FP7 KBBE 2012-2016 (University of the Western Cape)
PLANTLIBRA (SICA)	FP7 KBBE 2010-2014 (Council for Scientific and Industrial Research)



PLAPROVA (SICA)	FP7 KBBE 2009-2012 (University of Cape Town)
QBOL (Small or medium-scale focused research project)	FP7 KBBE 2009-2012 (Stellenbosch University)
SUNRAY (Coordination and support action)	FP7 KBBE 2011-2012 (Noordwes-Universiteit)
SWEETFUEL (SICA)	FP7 KBBE 2009-2013 (Agricultural Research Council (ARC))
TB-STEP (Small or medium-scale focused research project)	FP7 KBBE 2008-2012 (University of Pretoria)
TESTA (Small or medium-scale focused research project)	FP7 KBBE 2012-2016 (University of Pretoria)
TXOTX (Coordination and support action)	FP7 KBBE 2008-2011 (University of Cape Town)
VEG-I-TRADE (Collaborative project)	FP7 KBBE 2010-2014 (University of Pretoria & Council for Scientific and Industrial Research)
MAREFRAME (Collaborative project)	FP7 KBBE 2014 - 2017 (University of Cape Town)
CAPWA (Collaborative project)	FP7 NMP 2010-2013 (Sappi Ltd)
NANOSOLUTIONS (Large-scale integrating project)	FP7 NMP 2013-2017 (Noordwes-Universiteit & National Health Laboratory Services)
NATIOMEM (Small or medium-scale focused research project)	FP7 NMP 2010-2013 (Umgeni Water)
AIM (Industry-Academia Partnerships and Pathways (IAPP))	FP7 People 2009-2013 (Iss International Limited)
CODEMISUSED (Industry-Academia Partnerships and Pathways (IAPP))	FP7 People 2013-2017 (South African Medical Research Council & The Leading Pharmacy (PTY) Ltd)
GATEWAYS (Networks for Initial Training (ITN))	FP7 People 2009-2013 (University of Cape Town)
GEO-INSTALL (Industry-Academia Partnerships and Pathways (IAPP))	FP7 People 2009-2013 (Stellenbosch University)
I4S (Networks for Initial Training (ITN))	FP7 People 2013-2016 (University of Cape Town)
PODER (Networks for Initial Training (ITN))	FP7 People 2013-2017 (University of Cape Town)
PRIMO (Networks for Initial Training (ITN))	FP7 People 2013-2017 (Stellenbosch University)
RADIOTRANSIENTS (International incoming fellowships (Return phase))	FP7 People (University of Cape Town)
SEREN (Coordination (or networking) actions)	FP7 SEC 2008-2009 (Council for Scientific and Industrial Research)
SEREN 2 (Coordination (or networking) actions)	FP7 SEC 2011-2013 (Council for Scientific and Industrial Research)
EJOLT (Coordination and support action)	FP7 SiS 2011-2015 (University of Kwazulu-Natal)
EUROSIS (Coordination (or networking) actions)	FP7 SiS 2008-2010 (Human Sciences Research Council of South Africa)
NANOCODE (Support actions)	FP7 SiS 2010-2011 (Department of Science and Technology)
PROGRESS (Support actions)	FP7 SiS 2013-2016 (University of Cape Town & The South African San Institute Trust)
FASMED (Small or Medium-scale focused Research project)	FP7 SiS 2014 - 2016 (The AIMS Trust)
DEAMMRECIRC (Research for SMEs)	FP7 SME 2011-2012 (Act of Grace 128)
OPTITEMPTANK (Research for SMEs)	FP7 SME 2008-2011 (Talbot & Talbot (PTY) Limited)
RPC-HVTS-DCS (unspecified)	FP7 SME 2009-2011 (University of the Witwatersrand Johannesburg)
BRAGMA (Coordination and support action)	FP7 SPA 2012-2013 (Department of Science and Technology)
DEORBIT SAIL (Collaborative project (generic))	FP7 SPA 2011-2014 (Stellenbosch University)
EAMNET (Coordination and support action)	FP7 SPA 2010-2013 (University of Cape Town)

EU-UNAWE (Coordination (or networking) actions)	FP7 SPA 2011-2013 (National Research Foundation)
GARNET-E (Coordination and support action)	FP7 SPA 2010-2012 (South Africa National Space Agency &Eis-Africa, A Network for the Co-Operative Management of Environmental Information & Council for Scientific and Industrial Research & African Association of Remote Sensing of the Environment)
GLOWASIS (Collaborative project (generic))	FP7 SPA 2011-2013 (University of Kwazulu-Natal)
MALAREO (Collaborative project)	FP7 SPA 2011-2013 (South African Medical Research Council & University of Kwazulu-Natal)
PLASMON (Collaborative project (generic))	FP7 SPA 2011-2014 (National Research Foundation)
WATPLAN (Collaborative project)	FP7 SPA 2011-2013 (University of Kwazulu-Natal)
ATLANTIC FUTURE (SICA)	FP7 SSH 2013-2015 (University of Pretoria)
CHANCE2SUSTAIN (SICA)	FP7 SSH 2010-2014 (University of Kwazulu-Natal)
EU-GRASP (Small or medium-scale focused research project)	FP7 SSH 2009-2012 (Institute for Security Studies)
FESSUD (Large-scale integrating project)	FP7 SSH 2011-2016 (University of the Witwatersrand Johannesburg)
FRAME (Large-scale integrating project)	FP7 SSH 2013-2017 (University of Pretoria)
GREEN (Large-scale integrating project)	FP7 SSH 2011-2015 (University of Cape Town)
INGINEUS (Large-scale integrating project)	FP7 SSH 2009-2011 (University of Pretoria & Human Sciences Research Council of South Africa)
MERCURY (Small or medium-scale focused research project)	FP7 SSH 2009-2012 (University of Pretoria)
NET4SOCIETY (Coordination (or networking) actions)	FP7 SSH 2008-2011 (Human Sciences Research Council of South Africa)
NOPOOR (Collaborative project)	FP7 SSH 2012-2017 (University of Cape Town)
SI-DRIVE (Large-scale integrating project)	FP7 SSH 2014 - 2017 (University of Cape Town)
MECODEM (Small or medium-scale focused research project)	FP7 SSH 2014 - 2017 (Rhodes University)
AEROAFRICA-EU (Support actions)	FP7 Transport 2009-2011 (University of the Witwatersrand Johannesburg & Department of Science and Technology)
ALFA-BIRD (Small or medium-scale focused research project)	FP7 Transport 2008-2012 (Sasol Technology (PTY.) Limited)
FFAST (Small or medium-scale focused research project)	FP7 Transport 2010-2013 (Council for Scientific and Industrial Research & University of Cape Town)
FUTURE (Small or medium-scale focused research project)	FP7 Transport 2008-2012 (Council for Scientific and Industrial Research & Stellenbosch University)
NOVEMOR (Small or medium-scale focused research project)	FP7 Transport 2011-2014 (Council for Scientific and Industrial Research)
SIMBA II (Support actions)	FP7 Transport 2008-2010 (Council for Scientific and Industrial Research)
STADIUM (SICA)	FP7 Transport 2009-2013 (Council for Scientific and Industrial Research & Multimedia Innovations (PTY) Ltd & Saha International (SA) PTY Ltd)
SAFIPA & COFISA Programmes	MFA Finland 2006 – 2011
Establishing National CSIRT Capacity for South Africa	MFA Finland 2009 – 2010
INSPIRE Programme	MFA Finland 2008 – 2010
Creating Sustainable Business in the Knowledge Economy	MFA Finland 2010 – 2012
ict@innovation	BMZ Germany 2008 – 2010



<b>Swaziland</b>	IST-Africa Initiative (Support action) MALAREO (Collaborative project)	FP7 ICT 2009 – 2013 (Ministry of Information Communications & Technology) FP7 Space 2011 – 2013 (Ministry of Health)
<b>Tanzania</b>	IST-Africa Initiative (Support action) AIDA (Coordination and support action) AEGOS (Coordination and support action)  CLUVA (Collaborative project) HUNT (Collaborative project) WHATER (Collaborative project) MCD (Small or medium-scale focused research project) APARET (Coordination and support action) ARCADE HSSR (Coordination and support action) AVECNET (Collaborative project)  CHEPSAA (Coordination and support action) EQUIP (Collaborative project) ETATMBA (Collaborative project) IDEA (Collaborative project)  INTHEC (Collaborative project)  MALACTRES (Collaborative project)  MASCOT (Coordination and support action) PERFORM PRD COLLEGE (Coordination and support action) PREPARE (Collaborative project) QUALMAT (Collaborative project) REDMAL (Collaborative project)  SDH-NET (Coordination and support action) STOPPAM (Collaborative project) UNITAS (Collaborative project) EI4AFRICA (Coordination and support actions) GLOBAL-BIO-PACT (Coordination and support action) ICONZ (Collaborative project) INSARD (Coordination and support action)	FP7 ICT 2008 – 2015 (COSTECH) – 4 projects FP7 ICT 2008 – 2010 (Ardhi University) FP7 ENV 2008-2011 (The Southern and Eastern African Mineral centre & University of Dar Es Salaam) FP7 ENV 2010-2013 (Ardhi University) FP7 ENV 2008-2012 (Tanzania Wildlife Research Institute) FP7 ENV 2011-2014 (Sokoine University of Agriculture) FP7 Health 2012-2015 (Ifakara Health Institute Trust) FP7 Health 2011-2014 (Muhimbili University of Health and Allied Sciences) FP7 Health 2011-2015 (Muhimbili University of Health and Allied Sciences) FP7 Health 2011-2016 (National Institute for Medical Research & African Malaria Network Trust & Ifakara Health Institute Trust) FP7 Health 2011-2015 (University of Dar Es Salaam) FP7 Health 2010-2014 (Ifakara Health Institute Trust) FP7 Health 2011-2014 (Ifakara Health Institute Trust) FP7 Health 2010-2015 (Ifakara Health Institute Trust & National Institute for Medical Research) FP7 Health 2010-2014 (National Institute for Medical Research & Ministry of Education and Vocational Training & Ministry of Health and Social Welfare) FP7 Health 2008-2013 (The Good Samaritan Foundation (Kilimanjaro Christian Medical Centre GSF KCMC)) FP7 Health 2011-2014 (National Institute for Medical Research) FP7 Health 2011-2015 (University of Dar Es Salaam) FP7 Health 2009-2013 (Ministry of Health and Social Welfare) FP7 Health 2010-2014 (Muhimbili University of Health and Allied Sciences) FP7 Health 2009-2014 (Muhimbili University of Health and Allied Sciences) FP7 Health 2010-2014 (African Malaria Network Trust & The Good Samaritan Foundation (Kilimanjaro Christian Medical Centre GSF KCMC)) FP7 Health 2011-2015 (Ifakara Health Institute Trust) FP7 Health 2008-2011 (National Institute for Medical Research) FP7 Health 2011-2011 (Ifakara Health Institute Trust) FP7 INFRA 2012-2014 (Dar Es Salaam Institute of Technology) FP7 KBBE 2010-2013 (Tanzania Traditional Energy Development Organisation) FP7 KBBE 2009-2014 (Sokoine University of Agriculture) FP7 KBBE 2011-2013 (The Eastern and Southern Africa Small Scale Farmers'

	<p>SUNRAY (Coordination and support action) TXOTX (Coordination and support action)</p> <p>ONLY WATER (Research for the benefit of specific groups) EAMNET (Coordination and support action) RURBANAFRICA (Collaborative project) GLOBAL VALUE ASSET-ROAD (Collaborative project)</p> <p>Creating Sustainable Business in the Knowledge Economy Information Society and ICT Sector Development Programme TANZICT Health Informatics Systems Programme &amp; Masters in Health Informatics TANSENE for Post Doctoral Support ICT for Rural Development ICT Leadership Projects &amp; Educational Projects NET-TEL Africa Young Scientists Tanzania Africa4All Parliamentary Initiative ict@innovation</p>	<p>Forum Association) FP7 KBBE 2011-2012 (Sokoine University of Agriculture) FP7 KBBE 2008-2011 (Tanzania Fisheries Research Institute &amp; University of Dar Es Salaam) FP7 SME 2009-2011 (Ministry of Health and Social Welfare) FP7 SPA 2010-2013 (University of Dar Es Salaam) FP7 SSH 2012-2016 (Sokoine University of Agriculture) FP7 SSH 2014 -2016 (Sokoine University of Agriculture) FP7 Transport 2008-2011 (ADC-Afrideut Consult Limited &amp; National institute of transport) MFA Finland 2010 – 2012 MFA Finland 2009 – 2010 MFA Finland 2011 – 2015 NORAD</p> <p>SIDA &amp; Netherlands SIDA SIDA SIDA Irish Aid &amp; Pearson 2011 – EDF9 (@CP-ICT capacity-building programme) 2009 – 11 BMZ Germany 2008 – 2012</p>
<b>Tunisia</b>	<p>IST-AFRICA Initiative (Support action) EUROAFRICA-P8 (Coordination and support action)</p> <p>JOIN-MED (Coordination and support action) PROBE-IT (Coordination and support action)</p> <p>MEDIRAS (Collaborative project) REELCOOP (SICA)</p> <p>AFROMAISON (Collaborative project) AGRICAB (Collaborative project) BAT4MED (Coordination (or networking) actions)</p> <p>CLARA (Collaborative project) CLIMB (Collaborative project) CLIM-RUN (Collaborative project)</p>	<p>FP7 ICT 2011-2015 (Ministry of Higher Education and Scientific Research) – 2 projects FP7 ICT 2012-2013 (Centre D'etudes et de Recherches de Telecommunications) FP7 ICT 2009-2011 (Centre National de L'informatique) FP7 ICT 2011-2013 (Centre D'etudes et de Recherches de Telecommunications) FP7 ENERGY 2008-2011 (Solar 23 Tunis) FP7 ENERGY 2013-2017 (Alternative Energy Systems SARL; Ecole Nationale d'Ingenieurs de Tunis) FP7 ENV 2011-2014 (Observatoire du Sahara et du Sahel) FP7 ENV 2011-2015 (Observatoire du Sahara et du Sahel) FP7 ENV 2010-2013 (Centre International des Technologies de l'environnement de Tunis) FP7 ENV 2011-2014 (Centre de Biotechnologie de Sfax - CBS) FP7 ENV 2010-2013 (Centre de Recherches et des Technologies des Eaux) FP7 ENV 2011-2014 (Université de Tunis)</p>

FIRESENSE (Collaborative project)	FP7 ENV 2009-2013 (Ecole Supérieure des Communications de Tunis)
FUME (Collaborative project)	FP7 ENV 2010-2013 (Institut National de Recherches en Genie Rural, Eaux et Forêts)
IASON (Coordination (or networking) actions)	FP7 ENV 2013-2015 (Agence de Protection et d'Amenagement du Littoral)
MEDSEA (Collaborative project)	FP7 ENV 2011-2014 (Sfax University)
PERSEUS (Collaborative project)	FP7 ENV 2012-2015 (Sarost SA)
WAHARA (Collaborative project)	FP7 ENV 2011-2016 (Institut des Regions Arides)
WASSERMED (Collaborative project)	FP7 ENV 2010-2013 (Institut National Agronomique de Tunisie)
DEEP (Collaborative project)	FP7 HEALTH 2011-2014 (Hopital D'enfants de Tunis)
EUNAM (Coordination and support action)	FP7 HEALTH 2011-2015 (Centre D'etudes et Recherches Prospectives)
LEISHDNAVAX (Collaborative project)	FP7 HEALTH 2009-2012 (Institut Pasteur de Tunis)
LEISHDRUG (Collaborative project)	FP7 HEALTH 2008-2012 (Institut Pasteur de Tunis)
MASCOT (Coordination and support action)	FP7 HEALTH 2011-2014 (Hopital Farhat Hached de Sousse)
MEDCHAMPS (Collaborative project)	FP7 HEALTH 2009-2013 (Institut National de la Sante Publique)
MEDIGENE (Collaborative project)	FP7 HEALTH 2012-2015 (Institut Pasteur de Tunis)
RAPSODI (Collaborative project)	FP7 HEALTH 2009-2012 (Institut Pasteur de Tunis)
RESCAP-MED (Coordination and support action)	FP7 HEALTH 2012-2014 (Institut National de la Sante Publique)
SPHINX (Collaborative project)	FP7 HEALTH 2010-2013 (Institut Pasteur de Tunis)
BIOPROTECH (Coordination and support action)	FP7 INCO 2010-2013 (Centre de Biotechnologie de Sfax - CBS)
CB-WR-MED (Coordination and support action)	FP7 INCO 2010-2013 (Centre de Recherches et des Technologies des Eaux)
ERANETMED (Coordination (or networking) actions)	FP7 INCO 2013-2017 (Ministry of Higher Education and Scientific Research)
ETC (Coordination and support action)	FP7 INCO 2009-2013 (Ministry of Higher Education and Scientific Research; Institution de la Recherche et de L'enseignement Superieur Agricoles)
ETRERA_2020 (Support actions)	FP7 INCO 2013-2016 (Centre de Recherche et de Technologie de l'Energie)
FETRIC (Support actions)	FP7 INCO 2013-2016 (Agence Nationale de la Promotion de la Recherche Scientifique)
FP4BATIW (Support actions)	FP7 INCO 2013-2016 (Centre de Recherches et des Technologies des Eaux; Agence Nationale de Protection de L'environnement; Ecole Superieure des Sciences et Detecnologie de Hammam Sousse; Chambre de Commerce et d Industrie du Centre)
GENOMED-HEALTH (Specific Support Action)	FP7 INCO 2004-2005 (Institut Pasteur de Tunis)
GM_NCD_IN_CO (Coordination and support action)	FP7 INCO 2011-2014 (Institut Pasteur de Tunis)
INCOMMET (Coordination and support action)	FP7 INCO 2012-2014 (Institut National des Sciences et Technologies de la Mer)
MAGHRENOV (Support actions)	FP7 INCO 2013-2016 (Agence Nationale pour la Maitrise de l'Energie)
MED-SPRING (Coordination and support action)	FP7 INCO 2013-2017 (Institut National des Sciences et Technologies de la Mer)
MENFRI (Support actions)	FP7 INCO 2013-2016 (Institut National de Recherches en Genie Rural, Eaux et Forêts)

MIRA (Coordination and support action)	FP7 INCO 2008-2013 (Ministry of Higher Education and Scientific Research)
RESCOURCENET (Specific Support Action)	FP7 INCO 2006-2008 (Institut des Régions Arides)
SOHEALTHY (Support actions)	FP7 INCO 2013-2015 (Centre National du Cuir et de la Chaussure)
FP4BATIW (Support Action)	FP7 INCO 2013 - 2016 (Centre de Recherches et des Technologies des Eaux, Agence Nationale de Protection de L'environnement, Ecole Supérieure des Sciences et Technologie de Hammam Sousse, Chambre de Commerce et d'Industrie du Centre)
EUMEDGRID-SUPPORT (Coordination and support action)	FP7 INFRA 2010-2011 (Centre de Calcul el Khawarizmi)
ANIMALCHANGE (Collaborative project)	FP7 KBBE 2011-2015 (Institut National de la Recherche Agronomique de Tunisie)
AQUAMED (Coordination and support action)	FP7 KBBE 2010-2013 (Institut National des Sciences et Technologies de la Mer)
ARIMNET (Coordination and support action)	FP7 KBBE 2008-2013 (Institution de la Recherche et de L'enseignement Supérieur Agricoles)
BIO CIRCLE (Coordination and support action)	FP7 KBBE 2008-2011 (Centre de Biotechnologie Borj Cedria)
BIO CIRCLE 2 (Coordination and support action)	FP7 KBBE 2011-2013 (Centre de Biotechnologie Borj Cedria)
BIOBIO (Collaborative project)	FP7 KBBE 2009-2012 (Institut National de Recherches en Genie Rural, Eaux et Forêts)
CHIBIO (Collaborative project)	FP7 KBBE 2011-2014 (Institut National des Sciences et Technologies de la Mer)
COCONET (Collaborative project)	FP7 KBBE 2012-2016 (Institut National Agronomique de Tunisie)
CREAM (Coordination and support action)	FP7 KBBE 2011-2014 (Institut National des Sciences et Technologies de la Mer)
EAU4FOOD (Collaborative project)	FP7 KBBE 2011-2015 (Institut National de Recherches en Genie Rural, Eaux et Forêts)
FORESTERRA (Coordination and support action)	FP7 KBBE 2012-2015 (Institution de la Recherche et de L'enseignement Supérieur Agricoles)
LOWINPUTBREEDS (Collaborative project)	FP7 KBBE 2009-2014 (Institut National de la Recherche Agronomique de Tunisie)
PARAVAC (Collaborative project)	FP7 KBBE 2011-2015 (Ecole Nationale de Médecine Vétérinaire)
PRO-EEL (Collaborative project)	FP7 KBBE 2010-2014 (Institut National des Sciences et Technologies de la Mer)
SUSTAINMED (Collaborative project)	FP7 KBBE 2010-2013 (Institut National Agronomique de Tunisie)
ULIXES (Collaborative project)	FP7 KBBE 2011-2014 (Université de Tunis)
VMERGE (Collaborative Project targeted to a special group (such as SMEs))	FP7 KBBE 2013-2016 (Institution de la Recherche et de L'Enseignement Supérieur Agricoles)
WATERBIOTECH (Coordination and support action)	FP7 KBBE 2011-2014 (Centre de Biotechnologie de Sfax - CBS; Centre International des Technologies de l'environnement de Tunis)
ARIMNET2 (Coordination Action)	FP7 KBBE 2014 - 2017 (Ministry of Higher Education and Scientific Research, Institution de la Recherche et de L'Enseignement Supérieur Agricoles)

	<p>BIONEXGEN (Collaborative project)</p> <p>CAPWA (Collaborative project)</p> <p>OPEN GARMENTS (Collaborative project)</p> <p>BAT4MED (Coordination (or networking) actions)</p> <p>VCVCL (Support for training and career development of researchers (Marie Curie))</p> <p>AGORA (Coordination and support action)</p> <p>BIODESERT (Coordination and support action)</p> <p>ETRERA (Coordination and support action)</p> <p>EUMEDNETVSTB (Coordination and support action)</p> <p>SOWAEUMED (Coordination and support action)</p> <p>TEMP (Coordination and support action)</p> <p>SHEMERA (Collaborative project)</p> <p>BEWATER (Support Action)</p> <p>PROBIOLIVES (Research for the benefit of specific groups)</p> <p>BRAGMA (Coordination and support action)</p> <p>ARABTRANS (SICA)</p> <p>MEDPRO (Collaborative project)</p> <p>ESTEEM (Coordination and support action)</p> <p>SOLUTIONS (Coordination (or networking) actions)</p> <p>The Partnership Hubert Curien (PHC) Utique</p> <p>Promotion of Renewable Energies and Energy Efficiency</p>	<p>FP7 NMP 2010-2014 (Centre de Biotechnologie de Sfax - CBS)</p> <p>FP7 NMP 2010-2013 (Ecole Nationale D'ingenieurs de Tunis)</p> <p>FP7 NMP 2008-2011 (Ste Plat-Forme Industrielle de Confection Platico Sarl)</p> <p>FP7 PEOPLE 2010-2013 (Centre International des Technologies de l'environnement de Tunis)</p> <p>FP7 PEOPLE 2010-2011 (Institut Pasteur de Tunis)</p> <p>FP7 REGPOT 2010-2013 (Institut National de Recherches en Genie Rural, Eaux et Forets)</p> <p>FP7 REGPOT 2010-2012 (Université de Tunis)</p> <p>FP7 REGPOT 2010-2013 (Centre de Recherche et de Technologie de L Energie)</p> <p>FP7 REGPOT 2010-2013 (Institut Pasteur de Tunis)</p> <p>FP7 REGPOT 2009-2012 (University of Sousse)</p> <p>FP7 REGPOT 2009-2012 (Centre Technique du Textile - Cettex; Agence de Promotion de L'industrie et de L'innovation- API)</p> <p>FP7 SiS 2011-2014 (Carthage University)</p> <p>FP7 SiS 2013 - 2017 (Institut National de Recherches en Genie Rural, Eaux et Forets)</p> <p>FP7 SME 2010-2013 (Institut National de Sciences Appliquees et de Technologie)</p> <p>FP7 SPA 2012-2013 (Centre D'etudes et de Recherches de Telecommunications)</p> <p>FP7 SSH 2013-2016 (Association Forum des Sciences Sociales Appliquees)</p> <p>FP7 SSH 2010-2013 (Institut Tunisien de la Competitivité et des Etudes Quantitatives)</p> <p>FP7 TRANSPORT 2008-2009 (Société D'ingénierie pour le Développement Economique et Social)</p> <p>FP7 TRANSPORT 2013-2016 (Mobili-T)</p> <p>Ministry of Foreign Affairs and Ministry of Higher Education and Research France</p> <p>BMZ, Germany (2003 – 2013)</p>
<b>Uganda</b>	<p>IST-Africa Initiative (Support action)</p> <p>EUROAFRICA-ICT (Coordination and support action)</p> <p>EUROAFRICA-ICT.ORG (Coordination and support action)</p> <p>AEGOS (Coordination and support action)</p> <p>AFROMAISON (Collaborative project)</p> <p>EO2HEAVEN (Collaborative project)</p>	<p>FP7 ICT 2008 – 2015 (Uganda National Council for Science and Technology) - 4 projects</p> <p>FP7 ICT 2008 - 2009 (Makerere University)</p> <p>FP7 ICT 2010 - 2011(Makerere University)</p> <p>FP7 ENV 2008 - 2011 (Geological Survey and Mines)</p> <p>FP7 ENV 2011 - 2014(Mountains of the Moon University LBG)</p> <p>FP7 ENV 2010 - 2013 (Makerere University)</p>



HEALTHY FUTURES (Collaborative project)	FP7 ENV 2011 - 2014 (Vector Control Division - Ministry Of Health)
WASHTECH (Collaborative project)	FP7 ENV 2011 - 2013 (Network for Water and Sanitation Uganda)
WETWIN (Collaborative project)	FP7 ENV 2008 - 2011 (National Water and Sewerage Corporation)
AMASA (Collaborative project)	FP7 Health 2010 - 2013 (Mbarara University of Science and Technology & Makerere University)
APARET (Coordination and support action)	FP7 Health 2011 - 2014 (African Field Epidemiology Network LBG & Makerere University)
ARCADE HSSR (Coordination and support action)	FP7 Health 2011 -2015 (Makerere University)
EMERALD (SICA)	FP7 Health 2012 - 2017 (Butabika National Mental Hospital)
EQUIP (Collaborative project)	FP7 Health 2010 - 2014 (Makerere University)
EVIMALAR (Network of Excellence)	FP7 Health 2009 - 2014 (Makerere University)
GO4HEALTH (Coordination (or networking) actions)	FP7 Health 2012-2015 (Center for Health Human Rights and Development (CEHURD))
HURAPRIM (Collaborative project)	FP7 Health 2011 - 2015 (Mbarara University of Science and Technology)
MUTHI (Coordination and support action)	FP7 Health 2011 - 2014 (Makerere University)
PERFORM (Collaborative project)	FP7 Health 2011 - 2015 (Makerere University)
PRD COLLEGE (Coordination and support action)	FP7 Health 2009 - 2013 (Makerere University)
PREPARE (Collaborative project)	FP7 Health 2010 - 2014 (Makerere University)
PRISMA (Coordination and support action)	FP7 Health 2008 - 2011 (African Palliative Care Association limited)
SURE (Collaborative project)	FP7 Health 2009 - 2014 (Makerere University)
THESCHISTOVAC (Collaborative project)	FP7 Health 2010 - 2014 (Vector Control Division - Ministry of Health)
TRANSMALARIABLOC (Collaborative project)	FP7 Health 2008 - 2013 (Makerere University)
CAAST-NET (Coordination and support action)	FP7 INCO 2008 - 2012 (Uganda National Council for Science and Technology)
CAAST-NET PLUS (Coordination and support action)	FP7 INCO 2013 - 2016 (Uganda National Council for Science and Technology)
INFRAVEC (Combination of CP & CSA)	FP7 INFRA 2009 - 2013 (Med Biotech Laboratories)
AFSPAN (Coordination and support action)	FP7 KBBE 2012 - 2014 (Makerere University)
APROPOS (Collaborative project)	FP7 KBBE 2012 - 2014 (Lasting Solutions Ltd)
BIOBIO (Collaborative project)	FP7 KBBE 2009 - 2012 (Makerere University)
ICONZ (Collaborative project)	FP7 KBBE 2009 - 2014 (Makerere University)
NEXTGEN (Collaborative project)	FP7 KBBE 2010 - 2014 (Makerere University)
SUNRAY (Coordination and support action)	FP7 KBBE 2011 - 2012 (Makerere University)
CAWRBP (International incoming fellowships (Return phase))	FP7 People 2013 - (All Saints University Lango LBG)
FIGHTMAL (Support for training and career development of researchers (Marie Curie))	FP7 People 2008 - 2012 (Med Biotech Laboratories & Infectious Diseases Research Collaboration Limited)
PUREFOOD (Support for training and career development of researchers (Marie Curie))	FP7 People 2010 - 2014 (Makerere University)
CREATING (Coordination and support action)	FP7 SSH 2008 - 2010 (Inter-University Council for East Africa)
Irish-African Partnership for Research Capacity Building	Irish Aid 2008 - 2011
NPT Project on 'Strengthening ICT Training and Research	Netherlands 2007 – 2011

<p>Capacity in the Four Public Universities in Uganda' NPT Project on 'Strengthening the Institutional Capacity of Uganda's Technical Colleges Mobile Innovation and Enterprise Makerere University Institutional Development Programme Makerere University Converging ICT4D tools to Promote Public Accountability for Improved Service Delivery &amp; Democratic Engagement Makerere MobiClass Open access: knowledge sharing and sustainable scholarly communication in Kenya, Tanzania and Uganda</p> <p>Belgian Technical Cooperation Africa4All Parliamentary Initiative</p> <p>TACIT: Tackling Aids and Tuberculosis through Communication and Information Technologies ict@innovation Carnegie Corporation for Institutional Development Prepare PhD Project</p> <p>Improving Learning Outcomes through ICT</p> <p>ITELE for ICT (Improving Literacy and Numeracy in Primary Education through ICT) Helping teachers use ICT for teaching</p>	<p>Netherlands 2006 - 2009</p> <p>British Council NORAD 2005 - 2009 SIDA 2001 - 2014 SPIDER July 2012 - June 2014 (Toro Development Network)</p> <p>SPIDER June 2013 - May 2014 (Makerere University) SPIDER June 2013 - May 2014 EIFL in cooperation with Consortium of Uganda University Libraries (CUUL) and Inter-University Council for East Africa (IUCEA), National Council for Higher Education, National Information Technology Authority Uganda (NITA-U), Regional Universities Forum for Capacity Building in Agriculture (RUFORUM), Research and Education Network of Uganda (RENU) and Uganda National Council for Science and Technology (UNCST) Belgium 2012 - 2016 EDF9 (@CP-ICT capacity-building programme) 2009 – 11 (National Assembly of Uganda) EDF9 (@CP-ICT capacity-building programme) 2009 – 11</p> <p>BMZ Germany 2008 - 2010 Carnegie Corporation (2001 - 2011) (Makerere University) ACP-EU Cooperation Programme in Higher Education (EDULINK), 2008 - 2011 (Makerere University) IICD / Edukans Netherlands, Dec 2011 - 2014 (Education Local Expertise centre Uganda, FAWEU, i-Network) IICD / Edukans Netherlands, Dec 2011 - 2014 (Education Local Expertise centre Uganda, HNU, i-Network) IICD, CFSU, Close the Gap, CharITy 2010 - ongoing (Computers for Schools Uganda, I-Network)</p>
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## 2. REPUBLIC OF BOTSWANA

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### 2.1 Introduction

The Republic of Botswana is in Southern Africa. Botswana is bordered by Namibia on the west and north, Zambia at a narrow strip in the north, Zimbabwe on the east, and South Africa on the east and south. Botswana has an area of 581,730 sq km with an estimated population of 2.127 million inhabitants (estimate July 2013, CIA World FactBook) and a literacy rate of 85.1%. 62% percent of the total population is between 15 and 64 years of age. Gaborone, the capital city, has a population of about 233,135 (2011). The official language is English.



Botswana has maintained one of the world's highest economic growth rates since independence in 1966. This economic growth is largely attributed to diamond mining, which collectively makes up one of the world's largest diamond reserves. However, recent economic and political changes in the region present challenges to the government to explore other means of diversifying economy as dependence on mineral wealth forms a narrow economic base and are not sustainable. The Government established a Botswana and Economic Advisory Council (BEAC) in August 2005. BEAC then developed a strategy called "Botswana Excellence -- A Strategy for Economic Diversification and Sustainable Growth" and the "Action Plan". The Action Plan details projects aimed at driving implementation of the Economic Diversification and Sustainable Growth Strategy. The Action Plan and the Strategy were approved by Cabinet in December 2006 and November 2008 respectively.

The development of a national ICT framework is perceived as a shift from a factor endowments economy to an efficiency driven economy that will pave way to an innovative driven economy. It is in this context that Botswana's first National Information and Communications Technology Policy was approved by Parliament in 2007 [Maitlamo National Policy for ICT Development 2007].

Botswana established a National Science and Technology Policy in 1998 through which all Science and Technology related developments could be coordinated. This policy was later revised during 2011 and a new Research, Science, Technology and Innovation Policy was approved by Cabinet and launched in 2012 to respond to the rapid technological evolution, globalisation, and national development goals as espoused in Vision 2016, National Development Plans and Millennium Development Goals.

In December 2010, following the Parliamentary election, an ICT Committee was constituted in the National Assembly. This is a promising development for Botswana, as it provides a framework for

Parliamentary oversight of National Policy in this important domain. The current Ministry of Transport and Communications reports to the ICT Committee on implementation of Maitlamo.

Botswana has a good track record of investing in infrastructure. The telecommunication system is well developed with landline and cell phone users. According to Botswana Communications Regulatory Authority, at December 2012 there were 160,488 fixed phone lines subscriptions, 3.081 million mobile phone subscriptions and 18,838 broadband subscriptions. In Q3 2012, there were 18,166 ADSL subscriptions compared with 229,926 using mobile Internet subscriptions.

Further penetration of ICTs, especially in rural areas, to bridge the digital divide is necessary to continue the development and integration of Botswana into the global economy. A number of infrastructure projects, such as submarine optic fibre cables linking the west and east coasts of Africa, were undertaken to improve reliability, capacity and speed of the national network, and thereby ensure better interconnectivity with neighbouring countries and globally.

Botswana has created a converged communications regulatory environment by establishing the Communications Regulatory Authority Act of 2012 [No. 19 of 2012] to replace the previous separate regulation of telecommunications and broadcasting (Telecommunications Act (72:03) and the Broadcasting Act (72:04)). A new regulatory body, Botswana Communications Regulatory Authority (BOCRA) has been formed to assume responsibility over the regulation of the communications sector in Botswana, comprising telecommunications, Internet and Information and Communications Technologies (ICTs), commercial radio and television communications broadcasting, postal services and related matters.

Botswana is also hosting the Telecommunications Regulators Association of Southern Africa (TRASA) Programme office. TRASA is responsible for harmonisation of the Postal and Information Communications and Technologies (ICT) regulatory environment in the SADC region in order to improve the Postal and ICT business environment and investment climate in SADC.

The National Research, Science and Technology Plan 2006 - 2011 highlighted the requirement to leverage Research and Technology Development (RTD) and Innovation cooperation through the Framework Programme for RTD, capacity-building under UN-Habitat, various technology platforms and partnerships. ICT, Innovation and the Information Society at large are highlighted as a key tool for achieving its development objectives.

There are quite a lot of ICT Initiatives and projects funded at national level focused on reducing the digital divide and supporting the Information Society (Connecting Communities Programme, Kitsong Centres, Thuto-Net, Broadband Strategy, Universal Access), providing eGovernment services and supporting Innovation and Entrepreneurship. More information in relation to these activities are outlined in a complementary IST-Africa Study entitled "Guide to ICT Initiatives and Research Capacity in IST-Africa Partner Countries", January 2014, ISBN: 978-1-905824-41-0.

There are 2 public universities and 2 private institutions of Higher Education with 4 Departments focused on ICT/Engineering. There are also eight public Higher Education Institutes including DVET and nine private Higher Education Institutes.

## 2.2 Bilateral Cooperation

Botswana is a signatory to the Cotonou Partnership Agreement, and is an Observer of the TDCA (Trade Development Cooperation Agreement) EU-RSA.

Botswana is considered to be a middle-income country and as a result the level of funding available through bilateral cooperation with EU Member States has been reduced gradually over the past decade. There are currently Embassies for France, Germany and UK in Gaborone. The Swedish Embassy has recently closed. Under EDF10 (2008 - 2013) Botswana was allocated 73 million euro, which was focused around Human Resource Development.

Bilateral Support for ICT-related activities is primarily provided by Finland (Southern Africa Innovation Support Programme) and Sweden (Botswana Speaks Parliamentary Initiative). Botswana was a beneficiary under EDF9 @CP-ICT Capacity Building Programme (Internet Governance and ICT Policy 2009 - 2011) and has been successful in securing participation in 9 FP7 projects (up to November 2013).

### 2.2.1 Finland

The Southern Africa Innovation Support Programme (SAIS)<sup>1</sup> is focused on supporting a regional innovation system in SADC and promoting collaboration in relation to innovation systems between Botswana, Mozambique, Namibia and Zambia. It aims to establish sustainable knowledge-sharing networks for innovation support and partnerships; strengthen human capacity relation to innovation; adapt and replicate best practices and build institutional and organisational elements for national and regional innovation systems. SAIS supports Science Parks, incubation and entrepreneurship, co-creation and open innovation, mobile applications, and renewable energy and inclusive/frugal innovation. The Botswana Innovation Hub (BIH) is the national partner.

**Partners:** Botswana Innovation Hub (BIH), Namibia Business Innovation Centre (NBIC), National Technology Business Centre, Zambia and Mozambique ICT Institute (MICTI)

**Funding:** €6.2 million, Ministry of Foreign Affairs Finland 2011 – 2015

### 2.2.2 Sweden

Botswana Speaks<sup>2</sup> is an eDemocracy project focused on supporting citizens, leaders and local kgotla assemblies in four constituencies of Botswana to share their views and policy concerns with their elected representative. It aims to enable the National Assembly to enhance work efficiency and increase policy responsiveness with constituencies through the use of eParticipation and ICT tools.

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<sup>1</sup> [www.saisprogramme.com](http://www.saisprogramme.com)

<sup>2</sup> <http://www.botswanaspeaks.org/>



The project runs from September 2012 – April 2014 with a pilot running from April 2013. This project leverages the experience and outputs from the Africa4All Parliamentary Initiative, co-funded under the ACP-ICT Programme.

**Partners:** The Parliament of Botswana, eGovlab (Department of Computer and Systems Sciences, Stockholm University), Gov2u

**Funding:** SIDA

### 2.2.3 Germany

With Botswana's change in status to a middle-income country, official German development aid to Botswana was phased out in 1992 (financial cooperation) and 2007 (Technical cooperation). Germany has continued to support Botswana through SADC (Southern Africa Development Community) and the German Development Service (DED). Support from DED is based on an agreement whereby the Government of Botswana co-funds the work of DED and its development workers on specific agreed projects in Botswana. DED's areas of activity in Botswana are currently focused on Vocational Education, Road Safety and Transport Planning as well as Natural Resource Management. While some of the vocational education projects incorporate elements of ICT, it is not their predominant focus.

The German Government through its Ministry of Education and Research (BMBF) rolled out a high intensive research project for the region (Angola, Botswana, Namibia, South Africa and Zambia). The project is aimed at emphasizing regional collaboration in and between participating countries and the focus is on climate change and its impact in the region. It is a multi million project and since its orientation is specifically on Climate Change it is housed at the Department of Meteorological Services in the Ministry of Environment, Wildlife and Tourism.

### 2.2.4 France

Cooperation with France is primarily related to promotion of French teaching in Botswana through a cooperation agreement between Alliance Francaise and the University of Botswana. The Embassy of France does not currently directly support ICT-related projects in Botswana.

### 2.2.5 United Kingdom

Cooperation with the British High Commission in Gaborone has historically been focused around governance, energy and environment. The Embassy of the United Kingdom does not currently directly support ICT-related projects in Botswana.

## 2.3 Other Funding Mechanisms

### 2.3.1 Framework Programme 7

Botswana has gradually increased its participation in FP7 projects and up to November 2013 had secured participation in **9** FP7 projects – ICT (4 projects), INCO (1 project), Environment (1 project), Health (2 projects) and Food, Agriculture and Biotechnology KBBE (1 project).

The Department of Research Science and Technology (DRST) initially hosted IST-Africa training workshops in Gaborone without funding during 2006 - 2007. Botswana through DRST formally joined the IST-Africa Initiative as a partner in 2008 and this responsibility was taken over by the Ministry of Transport and Communications in 2012 under the Department of Telecommunications and Postal Services (DTPS). DRST was also involved as a partner in the extended phase of CAAST-Net. DTPS are actively encouraging research institutions to build international partnerships and work to increasing the number of participations in the Framework Programme.

As a result of an IST-Africa Training Workshop on FP7-Africa 2010 hosted by DRST in Gaborone on 23 September 2009, the University of Botswana successfully participated in the submission of the RN4CAST proposal and the HURAPRIM<sup>3</sup> proposal focused on Primary Health Care in Africa in cooperation with the University of Gent (BE), University of Oxford (UK), Medizinische Universitaet Vienna (AT), Wits University (ZA), Mbarara University of Science and Technology (UG), Ahfad University for Women (SD) and Universtite de Bamako (ML), which commenced in March 2011.

As part of its IST-Africa activities MTC circulates updates on open Calls for Proposals as they are available, encourages the research community to explore these opportunities for international research projects, creates awareness of research centres in Botswana during international meetings and has undertaken an initial mapping of research capacity.

As at 31 December 2013, the following projects are now completed:

- **ICT: IST-AFRICA 2007 – 2009** (Department of Research Science and Technology), **IST-AFRICA 2009 - 2011** (Department of Research Science and Technology), Support Action
- **Health: RN4CAST 2009 – 2011** (University of Botswana), Collaborative Project
- **INCO: CAAST-NET 2011 - 2012** (Department of Research Science and Technology), INCO Support Action
- **KBBE: TXOTX 2008 - 2011** (Coldstream Holdings Ltd Trading AS NFDS Africa), Coordination and Support Action
- **Environment: DEWFORA 2011 - 2013** (Waternet Trust), Collaborative Project

Three projects are still running:

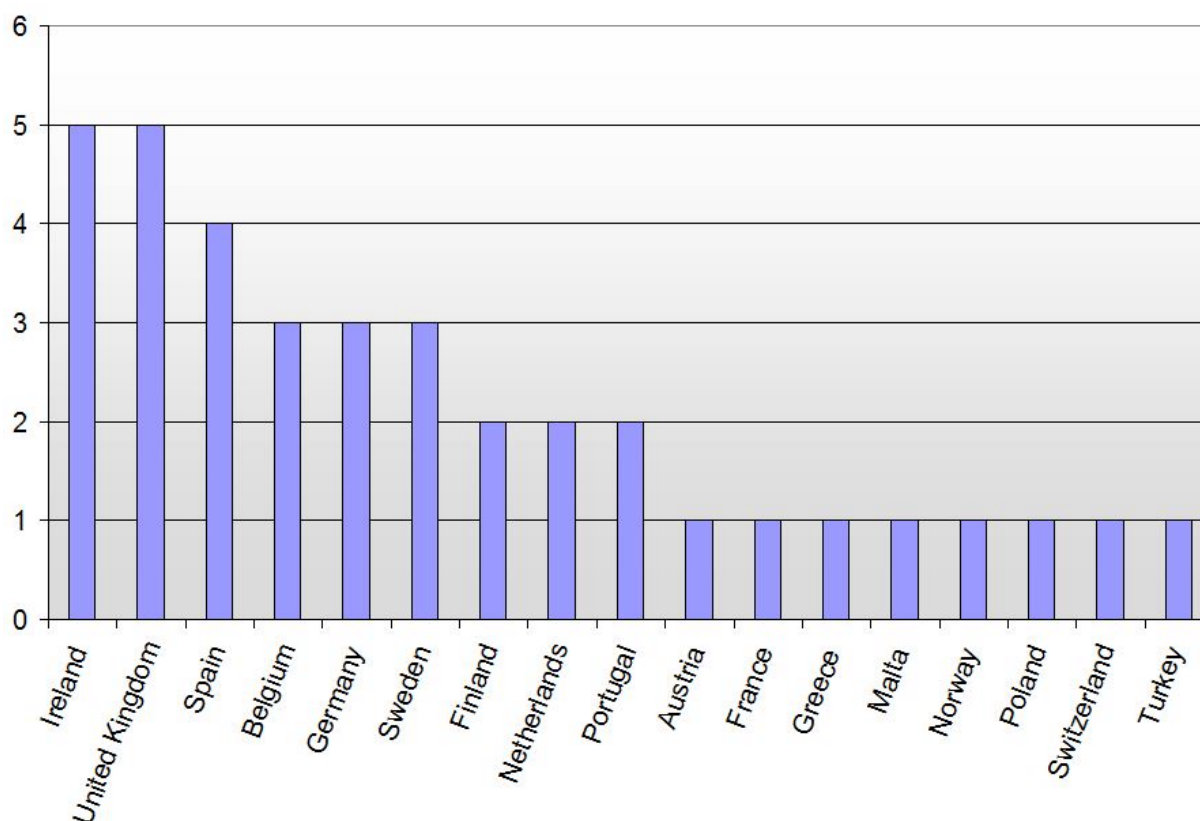
- **ICT: IST-AFRICA 2012 – 2013** (Ministry of Transport and Communications), Support Action; **IST-Africa 2014 - 2015** (Ministry of Transport and Communications), Support Action;

<sup>3</sup> <http://www.huraprim.ugent.be/drupal/>

➤ **Health: HURAPRIM 2011 - 2015** (University of Botswana), Collaborative Project

European Coordinators included: IIMC International Information Management Corporation Limited, Ireland (4 projects); and with **one project each**: Katholieke Universiteit Leuven, Belgium; Universiteit Gent, Belgium; Stichting Deltares, Netherlands; Fundacion Azti, Spain and Association of Commonwealth Universities, United Kingdom.

Botswana - Number of FP7 Projects with EU Participants by Country



The diagram above provides an overview of the number of FP7 proposals that involved partners from different European and Associated Countries with participants from Botswana.

Forty (**40**) European and Associated Country organisations partnered with Botswana organisations in successful FP7 projects including: IIMC International Information Management Corporation Limited; Dublin City University (**Ireland**); European Centre for Medium-Range Weather Forecasts; Imperial College of Science, Technology and Medicine; King's College London; The Chancellor, Masters and Scholars of the University of Oxford; The Secretary of State for Environment, Food and Rural Affairs (**United Kingdom**); Fundacion Azti; Instituto de Salud Carlos III; Mediterranean Agronomic Institute of Zaragoza; Ministerio de Economia y Competitividad; Universidad Politecnica de Madrid (**Spain**); Joint Research Centre, European Commission; Katholieke Universiteit Leuven; Universiteit Gent (**Belgium**); Deutsches Zentrum Fur Luft und Raumfahrt E.V.; Helmholtz-Zentrum Potsdam Deutsches Geoforschungszentrum; Potsdam Institut fuer Klimafolgenforschung; Technische Universitaet Berlin (**Germany**); Karolinska Institutet; Stockholms Universitet; Verket för Innovationssystem (**Sweden**); University of Jyvaskyla; University of Eastern Finland (**Finland**);

Stichting Deltares; Stichting Katholieke Universiteit; Stichting Wetlands International; UNESCO-IHE Institute for Water Education (**Netherlands**); Fundacao para a Ciencia e a Tecnologia; Universidade do Porto (**Portugal**); Medizinische Universitaet Wien (**Austria**); Centre de Cooperation International en Recherche Agronomique pour le Developpement; Institut de Recherche pour le Developpement (**France**); National and Kapodistrian University of Athens (**Greece**); The Commonwealth Network of Information Technology for Development (**Malta**); Norges Forskningsrad (**Norway**); Uniwersytet Jagiellonski (**Poland**); Universitaet Basel (Switzerland); Turkiye Bilimsel ve Teknolojik Arastirma Kurumu (**Turkey**). This provides a good network for future collaboration under Horizon 2020.

There is now a greater awareness of the benefits of international collaboration, experience in relation to what is involved and a network of collaborators, and the number of funded projects is expected to increase in future years. Participation in other International programmes such as the Southern Africa Innovation Support Programme (SAIS) funded by Ministry of Foreign Affairs of Finland (2011 – 15) will also assist in building international partnerships.

### 2.3.2 Capacity-building programme and Community Development in Internet Governance and ICT Policy (ACP/EDF9)

A Programme focused on Capacity-building and Community Development in Internet Governance and ICT Policy<sup>4</sup> was funded under the ACP-ICT Call (ACP/EDF9). This project ran from 2009 – 2011 undertaking online training courses on Internet Governance and ICT Strategy, provide training through workshops and policy immersion fellowships.

**African Target Countries:** Botswana, Burundi, Congo and Kenya

**Main partner:** Diplo Foundation

**Partner in Botswana:** Botswana Information Technology Society<sup>5</sup>

**Funding:** 960k€ from EDF9 (@CP-ICT capacity-building programme) 2009-2011

### 2.3.3 Botswana Speaks Parliamentary Initiative

Botswana Speaks<sup>6</sup> is an eDemocracy project focused on supporting citizens, leaders and local kgotla assemblies in four constituencies of Botswana to share their views and policy concerns with their elected representative. It aims to enable the National Assembly to enhance work efficiency and increase policy responsiveness with constituencies through the use of eParticipation and ICT tools. The project runs from September 2012 – April 2014 with a pilot running from April 2013. This project leverages the experience and outputs from the Africa4All Parliamentary Initiative, co-funded under the ACP-ICT Programme.

**Partners:** The Parliament of Botswana, eGovlab (Department of Computer and Systems Sciences, Stockholm University), Gov2u

**Funding:** SIDA

<sup>4</sup> <http://www.diplomacy.edu/ACP/Programme/default.asp>

<sup>5</sup> <http://www.bits.org.bw/index.htm>

<sup>6</sup> <http://www.botswanaspeaks.org/>

### 3. REPUBLIC OF BURUNDI

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#### 3.1 Introduction

The Republic of Burundi is situated in Central Africa, sharing boundaries with Democratic Republic of the Congo, Rwanda and Tanzania. It is a landlocked country and has a surface area of 27,830 sq km, made up of 17 provinces. The population is estimated at 10,888,321 inhabitants (July 2013 est. CIA World FactBook) with a literacy rate of 67.2%. 51.9% of the total population is between 15 and 64 years of age. The capital city is Bujumbura with a population of 605,000 (2011). Kirundi is the national language with French as the official language. Other languages spoken are Swahili and English.



Burundi joined the East African Community in 2007, which improves regional trade ties. The economy is predominantly agricultural with primary exports of coffee and tea. Burundi is currently dependent on bilateral and multilateral aid.

The National ICT Policy in Burundi was formulated jointly by the Government and UNDP in October 2000 and adopted in 2004. Subsequently the Government approached UNECA to work with them to develop and fund an ICT action plan for the period 2007 – 2011. The Government of Burundi has led several activities in relation to the use of ICT in the service of the socio-economic development and the Good Governance under the responsibility of the National Committee.

The Government is convinced that ICTs are a fundamental tool of training and research in a modern Education system. In this regard, the Government of Burundi has undertaken the following actions:

- A National ICT Policy;
- An Optical Fibre Project;
- A Plan to provide computers in Higher Education system;
- A Policy for free charges when imported ICT Equipment;
- Development of Partnerships in ICT Networking such as participation in the IST-Africa Initiative

A National Policy for Science, Technology and Innovation (STI) was developed and adopted in June 2011. This policy outlines various actions that the Government intends to take in order to ensure that R&D and Innovation activities are adequately funded. Its implementation framework for 2013 – 2017 was validated in July 2013.

There are 7 public universities and 24 private institutions of Higher Education.

Bilateral support is primarily from European Development Funds, World Bank, Belgium, France, Italy and Canada (IDRC). Under EDF10 (2008 – 2013), 212 million euro was allocated.



Development aid is primarily focused on infrastructures, rural development, health and general budget support. ITU has started to implement infrastructure related projects (Broadband Wireless Network and National CIRT Establishment). The Government of Burundi is participating in a regional project with the World Bank and other partners to put the necessary infrastructure in place, which will ultimately provide the enabling environment for eGovernment applications.

## **3.2 Bilateral Cooperation**

Burundi is a signatory to the Cotonou Partnership Agreement. Cooperation between the European Community and Burundi will pursue its objectives, taking into account the basic principles defined in Article 2, including encouragement of "ownership" of the strategy by the countries and populations concerned, and essential elements and fundamental element as defined in Articles 9 and 11b of the Agreement.

The overall objective and main development policy of the EU is to reduce poverty through sustainable development, in accordance with international project and taking into account the Millennium Development Goals (MDGs). Other important goals are also human rights and good governance.

There are currently two European Embassies in Burundi – Belgium and France. To date there is very limited support specifically focused on ICT-related initiatives. The sections below provide an overview of the types of support currently provided.

Support for ICT-related activities is primarily coming from ITU, World Bank and the European Commission (FP7).

### **3.2.1 Belgium**

From 2010 Belgium has focused its support primarily on three priority areas: Health, Education and Agriculture. Overall, the support provided by Belgium towards addressing development problems in Burundi is in the form of promoting a favourable institutional environment; improving sector governance; capacity building and training.

Belgian Cooperation is strengthening sectoral strategies defined by the Burundian government to enhance the performance of national systems. Despite a gradual reduction in the governance component of the next few years, strengthening Justice and the modernization of the Civil Service remains a central concern for Belgian Cooperation. Technical support is provided in relation to education programmes in the Technical Schools.

### **3.2.2 France**

Current support from the Embassy of France is primarily focused on cultural and language support (French Institute of Burundi) as well as University cooperation.

In relation to education, the French Development Agency (AFD) contributes to the Common Fund for Education (CFE), which supports investments required from pre-school to higher education, text

books for school children, and the construction of 36 schools and nine colleges (2009 – 2015). The Initiative for Francophone Distance Education Masters (IFADEM), launched in 2007 by the Agence Universitaire de la Francophonie (AUF) and the International Organization of La Francophonie (OIF), is a project 75% financed by AFD aimed at strengthening the professional skills of teachers by supporting the Ministry of Basic Education in the establishment of a training programmes. During 2010 - 2012, the project involves 1,800 teachers and 750 student teachers. In support of the Government policy to provide free basic education, AFD provides assistance in the recruitment of primary teachers through the 'C2D' contract. In 2010, 1,230 additional teachers were hired and paid through this budget support. The PARES project (2007- 2012 \$2 million) is focused on reform and revitalisation of higher education in Burundi through institutional support, strengthening institutional capacity of the University of Burundi and supporting teaching, learning and capacity building. France also supports the Great Lakes Inter-University Network (RIGL), chaired by the Rector of the University of Burundi, which includes 24 Universities in Burundi, Rwanda and the Democratic Republic of Congo.

### 3.2.3 Germany

Germany is supporting a project to interconnect the electricity grids as part of the regional initiative, through the development of electric power lines Rusizi III-Bujumbura. Germany is also supporting the sectoral programs focused on drinking water and sanitation, decentralization and poverty reduction.

### 3.2.4 Italy

Italy has funded a number of projects since 2008 related to youth (literacy and vocational training), health care for refugees returning to Burundi and improvement of sanitary conditions, food and water supply in the province of Cibitoke. These projects are primarily run by NGOs.

## 3.3 Other Funding Mechanisms

### 3.3.1 Framework Programme 7

**Burundi** secured participation in 3 ICT FP7 projects in partnership between Ministère de l'Enseignement Supérieur et de la Recherche Scientifique and IIMC International Information Management Corporation Limited (Ireland).

Ministère de l'Enseignement Supérieur et de la Recherche Scientifique (MESRS), Burundi is a beneficiary under IST-Africa<sup>7</sup> 2010 – 2011, IST-Africa 2012 – 2013 and IST-Africa 2014 – 2015. This participation has facilitated MESRS to host training workshops on FP7 and Living Labs in Bujumbura for the research community, support capacity building and encourage the research community to start to build international links towards securing direct research funding into their institutions. This partnership building takes time to put in place. It will also take time to build up a

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<sup>7</sup> <http://www.ist-africa.org>

research culture in institutions that are primarily focused on teaching. As part of its IST-Africa activities MESRS circulates updates on open Calls for Proposals as they are available, encourages the research community to explore these opportunities for international research projects, creates awareness of research centres in Burundi during international meetings and has undertaken an initial mapping of research capacity. MESRS hosted an IST-Africa Living Lab Workshop in Bujumbura (26 - 27 September 2011) and is continuing to raise awareness of the potential of Living Labs in Burundi.

### **3.3.2 Broadband Wireless Network, Burundi**

ITU is implementing the Broadband Wireless Network Project in Burundi. The main outputs of this project include: Deployment of wireless broadband infrastructure in Burundi; Development of ICT applications; Training local experts on the operation of deployed wireless communication networks; Development of national ICT broadband network plans for Burundi that will deliver free or low cost digital access for schools and hospitals, and for underserved populations in rural and remote areas; Development of an impact assessment report and reporting.

**Implementing Agency:** ITU

**Timeframe:** 01/07/2009 – 31/12/2014

**Funding Level:** More than 1'000'000 CHF

More information at <http://www.itu.int/ITU-D/projects/display.asp?ProjectNo=9BDI12011>

### **3.3.3 National CIRT Establishment - Burundi**

ITU is implementing the establishment of the National Computer Incident Response Team (CIRT) in Burundi. This project aims to assist the Government of Burundi in building and deploying the technical capabilities and training required to establish the national CIRT. This will also assist in developing national cybersecurity capacity.

**Implementing Agency:** ITU

**Timeframe:** 01/01/2013 – 31/12/2013

**Funding Level:** 100,000 - 500,000 CHF

More information at <http://www.itu.int/ITU-D/projects/display.asp?ProjectNo=7RAF08073-02>

### **3.3.4 Regional Communications Infrastructure Project**

The Regional Communications Infrastructure project is a regional project commencing with Burundi, Kenya and Madagascar. It is focused on the enabling environment, connectivity and preparation for eGovernment applications. The project in Burundi was restructured in April 2013 with the project life extended until April 2014. Phase I is starting to go into service.

**Implementing Organisation in Burundi:** Ministère des Télécommunications, de l'Information, de la Communication et des Relations avec le Parlement

**Partners:** World Bank, The African Development Bank, Agence Française de Développement, The Development Bank of Southern Africa, The UK Department for International Development, The European Investment Bank, The European Union, KfW Bankengruppe (German development bank) and The Swedish International Development Cooperation Agency.

**Timeframe:** 21/08/2007 – 31/12/2016 (Extended timeframe)

**Total Project cost:** \$201.9 million (IDA has contributed \$18.8 million in Burundi)

More information at <http://www.worldbank.org/projects/P094103/regional-communications-infrastructure-project?lang=en>

## 4. CAMEROON

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### 4.1 Introduction

The Republic of Cameroon is situated in Central Africa, sharing boundaries with Nigeria to the west, Chad to the northeast, Central African Republic to the east, Congo, Gabon and Equatorial Guinea to the south with direct access to the Atlantic Ocean to the southwest. It is a unitary state, with a surface area of 475,442 square km, made up of ten regions subdivided into fifty-eight (58) divisions and further subdivided into 375 districts currently in the process of decentralisation. The population as at July 2013 was estimated at 20.549 million inhabitants with a literacy rate of 71.3%. 56.5% percent of the total population is between 15 and 64 years of age. Yaounde, the capital city, has a population of 2.4 million (2011) and Douala has a population of 2.053 million (2011). The official languages are English and French.



Cameroon is called Africa in miniature due to its strategic geographical location, diversified culture (over 240 tribes composed of Bantus, Semi-Bantus, Soudanians, Hamites and Semites), two main religions: Christianity and Islam, climate (tropical and humid in the south and dry in the north with two seasons) and vast equatorial forest found in most African countries. Its natural resources include: Petroleum, Bauxite, iron ore, timber and hydropower.

Cameroon plays an important economic role in Central Africa. The Government of Cameroon has recognised the importance of ICT as an enabling horizontal tool in realising projects in Education, Health, Agriculture, Economy and Energy. There is a comprehensive ICT Policy and Strategy in place and projects launched as part of the National Strategy for ICT Development addressing seven strategic pillars: (i) Building Human capacities, (ii) Improving the legal, regulatory and institutional framework, (iii) Strengthening the rule of law and sovereignty, (iv) Infrastructure development, (v) Development of social sectors through the use of ICT, (vi) Modernizing the public service and (vii) Development of an ICT industrial sector. The ICT Policy was adopted in 2007, with the Implementation plan published in 2009 and the Electronic Communications Law, CyberSecurity Law and Electronic Commerce Law adopted in 2010.

In late 2010, as part of the efforts of the President to move Cameroon from a primarily agricultural society towards developing a framework for a knowledge based economy and attract Foreign Inward Investment, enabling legislation has been enacted for Electronic Communications, Cyber Security and Electronic Commerce, complementing existing data protection legislation. The need to develop basic maths, science and ICT skills so that sufficient students can study science and technology at university is clearly recognized by the Government and the universities.



There are quite a lot of ICT Initiatives and projects funded through Central National Budget focused on implementing eGovernment Services, supporting ICT development in Higher Education and expanding eInfrastructure. More information in relation to these activities are outlined in a complementary IST-Africa Study entitled “Guide to ICT Initiatives and Research Capacity in IST-Africa Partner Countries”, January 2014, ISBN: 978-1-905824-41-0.

In terms of ICT Infrastructure, there is a SAT-3 marine cable inward with access points in Douala (main one), Limbe (WACS) and Kribi (ACE). There is a national backbone of over 5,000 km of fibre optic cable laid down and financed by the Chinese Government. There is a fibre optic loop in Douala and a second being laid in Yaounde. Cameroon is linked to Chad with fibre optic cable under the Central African Backbone (CAB) project. VSAT Internet is widely used. The establishment of a National Internet eXchange point (IXP) is ongoing, financed by the World Bank. There are 60 operational tele-centres, 110 being put into service and 15 under construction.

There are eight public universities, over 80 private institutions for Higher Education and several laboratories.

Bilateral and multilateral support for ICT / STI related activities is primarily from African Development Bank, World Bank and FP7.

## **4.2 Bilateral Cooperation**

There are eight European Embassies (Germany, France, Spain, Italy, Netherlands, UK, Netherlands and Belgium) as well as an EU Delegation in Yaounde. France, Germany and the EU delegation are particularly active in the areas of Health, Rural Development, Governance and Environmental issues, while the UK Embassy takes a particular interest in Human Rights.

Bilateral and multilateral support for ICT / STI related activities is currently primarily from African Development Bank, World Bank and European Commission (FP7).

### **4.2.1 European Union (EDF)**

The European Union is active in Cameroon mostly through the European Development Fund (EDF). It operates within the framework of a bilateral agreement with Cameroon that is negotiated for five years laying out the principle areas of intervention and an overall amount of aid (National Indicative Program (NIP)). Based on the NIP, the European Union develops projects that, once approved, are turned into financial agreements. Under EDF 10 (2008-2013) €250 million was allocated. Funding was primarily allocated to assistance related to governance (consolidating the rule of law, management of public finances, sustainable management of natural resources), trade and regional integration (improving competitiveness, strengthening production and exports, improving the road network). Specific ICT-related projects were not prioritised under EDF10.

#### 4.2.2 France (AFD)

France is active in Cameroon mostly through the Agence Française de Développement (AFD). AFD has two main funding mechanisms in place in Cameroon: firstly, projects funded through regular case-by-case financial agreements between the Cameroonian government (MINEPAT) and AFD; secondly, through France's debt relief commitments (C2D) to Cameroon. These commitments are supplementary to the Heavily Indebted Poor Countries (HIPC) initiative. The reimbursements of C2D funds are channelled through investments in approved projects. The main difference between those two mechanisms is the ownership structure of the funds. While in the former case AFD disburses money directly to projects, in the latter case C2D funds are transferred directly to Cameroon and rest with the Central Bank until AFD approves disbursement. In the sectors analysed for this report, only C2D payments are used as funding mechanisms.

French bilateral aid in Cameroon is specifically targeted at poverty reduction. This aid amounted to €713 million from 2006 to 2011 and includes 40 technical assistants.

This aid focuses especially on the following areas:

- Health
- Agricultural development and food security
- Environment and forestry
- Democratic Governance and Financial related issues
- Urban Development
- Local Governance and Decentralization
- Cultural Cooperation
- Research
- Education and training
- Support to civil society

#### 4.2.3 Germany (GIZ and KfW)

The German Development Service (DED), the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) and the KfW Development Bank are the three pillars of German development cooperation in Cameroon. They employ in the region of 40 seconded experts, who work closely with national and international partners. Since the beginning of 2010, DED, KfW and GIZ have occupied new joint office premises (German House). The German Finance Company for Investments in Developing Countries (DEG) has wide-ranging commitments in the form of guarantees, loans and interests, especially in the agro-industry, tourism and the energy sector.

According to Cameroon's Ministry of Economic Affairs, Planning and Regional Development, on March 01, 2010, two cooperation agreements (one concerning technical cooperation, the other concerning financial cooperation) amounting to a total of 49 million euros were signed between the

Government of the Federal Republic of Germany and the Government of the Republic of Cameroon.

With the signing of the agreement concerning technical cooperation, the Federal Republic of Germany through its Agency for Technical Cooperation (GIZ) promotes programs related to Health, Environment, decentralisation and advisory services on implementing the Paris Declaration.

In relation to research, bilateral cooperation between Cameroon and Germany led to a project for the creation of a social and scientific research centre in Yaounde in 2011. The project was financed by the Thyssen Foundation and was estimated to cost over FCFA 80 million (121,959.21 EUR).

### 4.3 Other Funding Mechanisms

#### 4.3.1 Framework Programme 7

Agence Nationale des Technologies de l'Information et de la Communication, Cameroon (ANTIC) is a beneficiary under the IST-Africa<sup>8</sup> Initiative since 2009. The Ministry of Scientific Research and Innovation was a beneficiary under CAAST-Net<sup>9</sup> (2008 – 2012).

Participation in IST-Africa facilitated ANTIC to host an IST-Africa FP7 Training Workshop in Yaounde in 21 March 2011 focused on FP7-ICT-Call 8 - 9 Calls for Proposals and undertake a consultation with the research community to map expertise. As part of its ongoing IST-Africa activities ANTIC circulates updates on open Calls for Proposals as they are available, encourages the research community to explore these opportunities for international research projects, promotes the research centres during international meetings and has undertaken an initial mapping of research capacity. ANTIC is raising awareness of the potential of Living Labs in Cameroon.

Up to November 2013 Cameroon had successfully secured participation in **23** projects in FP7. This is broken down thematically into ICT (4 projects), INCO (1 project), Environment (4 projects), Health (7 projects), Infrastructures (1 project), KBBE (1 projects), NMP (1 project), Science Society (1 project), Space (1 project) and SSH (2 projects). Up to September 2013 Cameroon organisations had secured **€3.66 million** in funding under FP7.

As at 31 December 2013, thirteen projects are now completed:

- **ICT: IST-Africa 2010 – 2011** (ANTIC) Support Action, **Integrated Risk Management for Africa (IRMA) 2008 – 2009** (Universite De Yaounde I) Collaborative Project;
- **INCO: CAAST-NET 2011 – 2012** (Ministry of Scientific Research and Innovation) INCO Coordination and Support Action;
- **Environment: REDD-ALERT 2009 – 2012** (Institut de Recherche Agricole pour le Developpement) Collaborative Project; **MIAVITA 2008 – 2012** (Ministere de L'Industrie, des

<sup>8</sup> <http://www.ist-africa.org>

<sup>9</sup> [www.caast-net.org/](http://www.caast-net.org/)

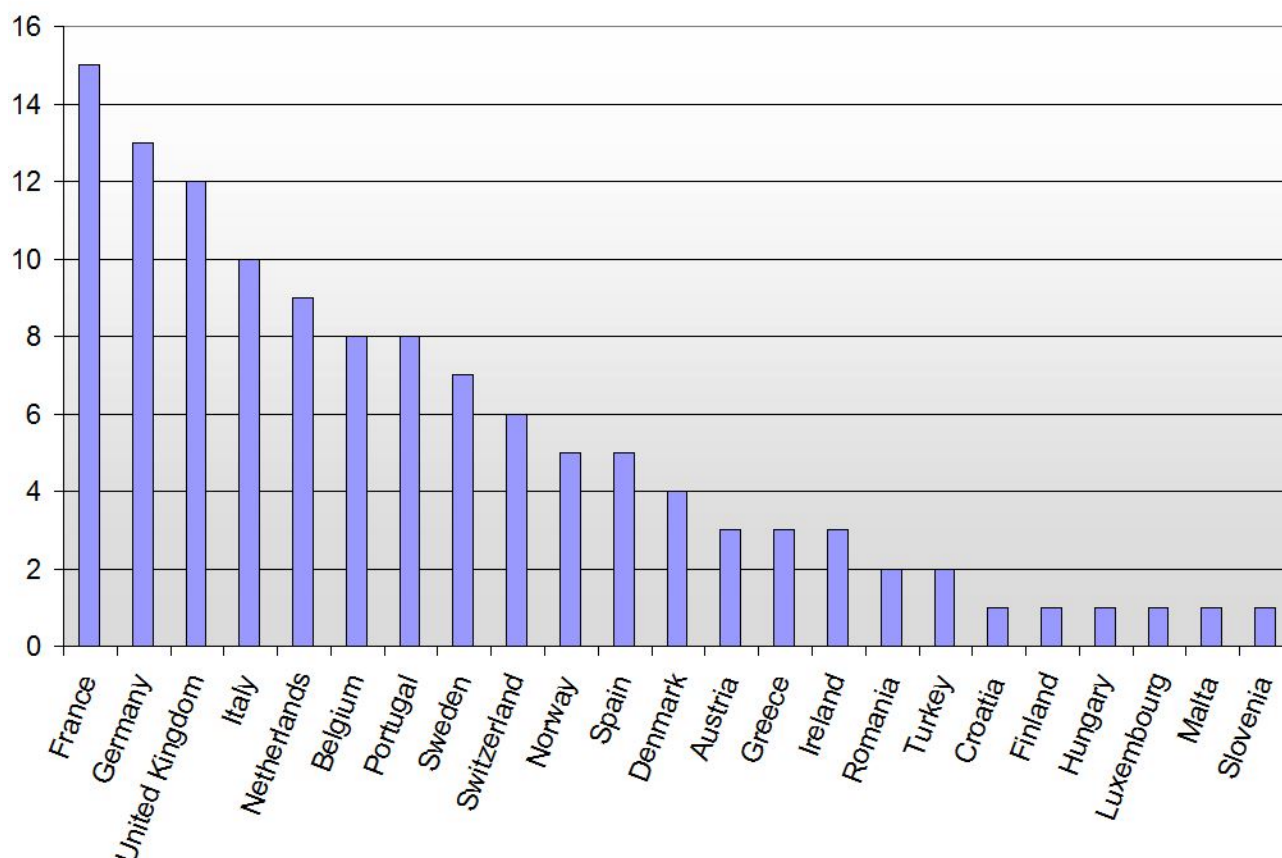
Mines et du Developpement Technologique) Collaborative Project; **CLUVA 2010 – 2013** (Universite de Yaounde I) Collaborative Project,

- **Health: Crimalddi 2009 – 2011** (University of Buea) Coordination and Support Action, **PRD COLLEGE 2009 – 2013** (Universite De Yaounde I) Coordination and Support Action;
- **Infrastructure: INFRAVEC 2009 – 2013** (Organisation de Coordination pour la lutte contre les Endémies en Afrique Centrale) Combination of CP & CSA;
- **Science in Society: CEECEC 2008 - 2010** (Centre pour L'Environnement et le Developpement) Coordination and Support Action;
- **Social Sciences: EUROROADMAP 2009 – 2012** (Coalition pour la Promotion de L'agriculture Urbaine et Periurbaine Enafrique Association) Collaborative Project;
- **NMP: NO BUG 2009 – 2013** (Research Foundation in Tropical Diseases and Environment) Collaborative Project;
- **Space: REDDAF 2011 – 2013** (Geospatial Technology Group Sarl) Collaborative Project;

The following ten projects are still running

- **ICT: IST-Africa 2012 – 2013** (ANTIC) Support Action; **IST-Africa 2014 – 2015** (ANTIC) Support Action
- **Environment: GEOCARBON 2011 – 2014** (Cameroon Biodiversity Conservation Society) Collaborative Project;
- **Health: CHAIN 2009 – 2014** (Ministry of Public Health) Collaborative Project, **SURE 2009 – 2014** (Ministry of Public Health) Collaborative Project, **EVIMALAR 2009 – 2014** (Universite De Yaounde I, University of Beau) Network of Excellence, **E PIAF 2010 – 2014** (Research Foundation in Tropical Diseases and Environment, Institut de Recherche Agricole pour le Developpement) Collaborative Project; **Africa Build 2011 - 2014** (Universite de Yaounde I) Coordination and Support Action;
- **KBBE: AFTER 2009 – 2014** (Universite de Ngoundere) Collaborative Project;
- **Social Sciences: RURBANAFRICA 2012 – 2016** (Universite de Dschang) Collaborative Project;

Cameroon - Number of FP7 Projects with EU Participants by Country



The diagram above provides an overview of the number of FP7 proposals that involved partners from different European and Associated Countries with participants from Cameroon.

European Coordinators included: IIMC International Information Management Corporation Limited, Ireland (3 projects); and with **one project each**: Universiteit Gent, Belgium; Københavns Universitet, Denmark; Bureau de Recherches Geologiques et Minieres, France; Centre de Cooperation International en Recherche Agronomique pour le Developpement, France; Centre National de la Recherche Scientifique, France; GAF Ag, Germany; AMRA - Analisi e Monitoraggio del Rischio Ambientale Scarl, Italy; Centro Euro-Mediterraneo per I Cambiamenti Climatici Scarl, Italy; Universite du Luxembourg; Nasjonalt Kunnskapssenter for Helsetjenesten, Norway; Universidad Politecnica de Madrid, Spain; Universitat Autonoma de Barcelona, Spain; Association of Commonwealth Universities, United Kingdom; Imperial College of Science, Technology and Medicine, United Kingdom; Liverpool School of Tropical Medicine, United Kingdom; The Macaulay Land Use Research Institute, United Kingdom; The University of Edinburgh, United Kingdom; University College London, United Kingdom and University of Glasgow, United Kingdom.

One hundred and sixty nine (**169**) European and Associated country organisations partnered with Cameroon organisations in successful FP7 projects. This provides a significant network for future collaboration under Horizon 2020. The most prominent organisations that were involved in multiple projects included: Centre National de la Recherche Scientifique, France (6 projects); Københavns Universitet, Denmark (4 projects); World Health Organization, Switzerland (4 projects); Universite



Libre de Bruxelles, Belgium (3 projects); Institut de Recherche pour le Developpement, France (3 projects); Institut National de la sante et de la Recherche Medicale (INSERM), France (3 projects); Max Planck Gesellschaft zur Foerderung Der Wissenschaften e.V., Germany (3 projects); Universitaetsklinikum Heidelberg, Germany (3 projects); IIMC International Information Management Corporation Limited, Ireland (3 projects); Wageningen University, Netherlands (3 projects); Karolinska Institutet, Sweden (3 projects); Stockholms Universitet, Sweden (3 projects); Liverpool School of Tropical Medicine, United Kingdom (3 projects) and The Chancellor, Masters and Scholars of the University of Oxford, United Kingdom (3 projects). The full list of all European partner organisations is provided in Annex 1 of this report.

Agence Nationale des Technologies de l'Information et de la Communication, Cameroon (ANTIC) through the IST-Africa Initiative, wishes to build on this success to date and support a wider take-up of opportunities under the ICT theme. There is considerable interest in participation in EU funded research, and the number of proposals and hopefully funded projects involving Cameroon is expected to increase in future years.

## 5. EGYPT

### 5.1 Introduction

Egypt is situated in Northern Africa, bordering the Mediterranean Sea and sharing boundaries with Libya and the Gaza Strip. It has a surface area of 1,001,450 square km, made up of twenty-seven administrative divisions. The population is estimated at close 85.3 million inhabitants (July 2013 CIA WorldFactBook) with literacy rate of 73.9%<sup>10</sup>. 62.9% of the total population is between 15 and 64 years of age. Cairo has a population of 11.169 million and Alexandria 4.387 million (2011). The official languages are Arabic, English and French.

The Government of Egypt recognizes the ICT sector as a critical component of the national economy, not only due to its substantial contribution to employment, exports and diversification of the economy, but for its dynamic and innovative potential, and its broader role in providing enabling technologies, products and services that underpin the development of Egypt as a knowledge-based economy in the global market. There were 5,309 ICT companies registered with 218,004 employees as at 30 April 2013.

The National ICT Policy (2013 – 2017) is an important part of the National Development Plan. It is focused on achieving sustainable socio-economic development of the Egyptian society through Digital Identity using ICT solutions, ICT Industry Development, creating job opportunities and attracting Foreign Direct Investment. It focuses on integrating ICTs across all sectors to serve the national development priorities, which includes preserving natural resources and the environment. The key ICT sectors planned to be supported include Digital Identity, Egypt Digital Hub, Basic Infrastructure (Broadband, Cloud Computing, Submarine Cables), Cyber Security & eSignature, Information Infrastructure & Digital Content, Electronics Design & Manufacturing, Legislative and Policies Framework.

In terms of ICT Infrastructure, FLAG, SMW4 and SMW3 are the three marine cables connecting Egypt to the rest of the world. The existing backbone is a result of the PPP between the Egyptian Government and the private sector. CAIX<sup>11</sup>, the National IXP, was established in 2002, funded by the Government of Egypt through MCIT and managed by National Telecommunication Regulatory Authority (NTRA). CAIX's mission is to connect all Class A and B ISPs in Egypt to exchange the local traffic inside Egypt and save their international bandwidth.

There are quite a lot of ICT Initiatives and projects funded at national level focused on eLearning, eHealth, eGovernment, eContent, Access for All, Green ICT, Internet Safety, Community Integration



<sup>10</sup> CIA World Factbook

<sup>11</sup> [www.caix.net.eg](http://www.caix.net.eg)

and ICT for people with disabilities. More information in relation to these activities are outlined in a complementary IST-Africa Study entitled “Guide to ICT Initiatives and Research Capacity in IST-Africa Partner Countries”, January 2014, ISBN: 978-1-905824-41-0.

There are 26 public universities, 33 private universities and 400 private institutions of higher education. Of these 35 have Departments focused on ICT/Engineering.

## **5.2 Bilateral Cooperation with EU Member States**

In recent years, Egypt has enjoyed strong bilateral relationships with a number of EU Member States, including Finland, Germany and Italy. Discussions are ongoing with Spain, Poland, Ireland and France. Egypt receives funding under the European Neighbourhood and Partnership Instrument (ENPI) and Erasmus Mundus Programme.

The Ministry of Communications and Information Technology and relevant agencies such as Information Technology Industry Development Agency (ITIDA) regularly lead delegations to ICT-related events in EU Member States to raise awareness of on-going activities in Egypt and encourage ongoing cooperation.

### **5.2.1 General Cooperation with the European Union**

Egypt receives funding under the European Neighbourhood and Partnership Instrument<sup>12</sup> (ENPI). The budget allocation for Egypt from 2011 – 2013 was €449 million. Priority areas include reform in the areas of democracy, human rights and justice; competitiveness and productivity of the economy and sustainability of development; and better management of human and natural resources.

Egypt also benefits from the Erasmus Mundus Programme, which supports mobility and co-operation with the EU in Higher Education.

Egypt has been involved in a number of committees, roles and programmes related to cooperation with the European Union including:

- Participation in the Association Committee Meeting 2013; Information Society Meeting on the margin of the EU-Egypt-Task Force, November 2012; Meeting of the Sub-Committee on Information Society and Audiovisual, Research, Innovation, Education and Culture
- Chairman in 2012 of the Euro Mediterranean Regulatory Group (EMERG), through the NTRA; CEO of the Euromed Postal Union March 2011-2013 and Co – president of the Union of the Mediterranean from July 2008 to September 2012
- Hosted the Second Euro-Mediterranean Ministerial Conference on the information Society, February 2008
- Involved in Technical Assistance and Information Exchange instrument (TAIEX) workshop entitled Fight against Cyber crime, March 2010; The Twinning project of NTRA with a European regulator; AGCOM (the Italian regulator) as a major partner and BNetzA (the German regulator) as the junior partner from November 2008- November 2010 and Twinning agreement

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<sup>12</sup> [http://ec.europa.eu/europeaid/where/neighbourhood/country-cooperation/egypt/egypt\\_en.htm](http://ec.europa.eu/europeaid/where/neighbourhood/country-cooperation/egypt/egypt_en.htm)

between the Egyptian National Postal Organization ENPO with its French counterpart "La Poste" from February 2007 – February 2009.

- Proposed High Level Working Group for ICT between Egypt and EU

### 5.2.2 Cooperation with Finland

A Ministerial Mission to Helsinki took place in April 2012, which resulted in high-level dialogue between the Ministry of Communications and Information Technology, Egypt and the Ministry of Housing and Communications, Finland, in addition to meetings with Finnish ICT companies. There was an agreement to enhance cooperation between the two countries in the following areas: Innovation & Entrepreneurship; Mobile Technology; Technology Clusters; ICT applications as Green ICT and e-health; Broadband and Cyber Security.

A series of videoconferences were held to have further discussions on the fields of cooperation and their implementation. An invitation was extended to the Finnish Minister to visit Egypt, which is expected to take place in Spring 2014.

### 5.2.3 Cooperation with Germany

There has been an ongoing dialogue with Germany over past years in relation to developing "Government to Government" relations in the field of ICT including site visits between the countries.

Three Memorandum of Understanding were put in place during a Ministerial Visit in 2009:

- Cooperation agreement between Berlin- Adlershof Technology Park and the Smart Villages Company aiming at sharing expertise in the field of technology parks and empowering Egyptian SMEs and technology incubators.
- Cooperation agreement between one of the Egyptian umbrella organizations for ICT (ITEC) and European Information Technology Observatory Program
- Egypt Post signed an agreement with German OCE. Based on the agreement that is to be renewed annually, each entity will act as its counterparts' arm in its home country.

BnetzA was a junior partner in the Twinning Project between NTRA and AGCOM (the Italian Regulator), which ran from November 2008 until April 2011. Two study visits were held to Germany in 2010 under the Twinning Project.

MCIT and GUC signed a protocol of scientific and technical cooperation in November 2007. Both parties agreed that GUC would provide training opportunities over a three-year period for MCIT and its affiliated bodies (Telecom Egypt, NTRA, ITI and NTI) in the field of engineering, communication technology, and broadcasting.

Information Technology Industry Development Agency (ITIDA) sponsors Egyptian ICT companies to participate in CeBIT. During CeBIT 2013, seven Egyptian companies and Cairo Contact Centers Park at Maadi participated in the Egyptian Pavilion, which was visited by a lot of participants. During this visit, a seminar held by the German Federal Association for Information Technology Bitcom,

took place on the development of information technology and investment opportunities in North Africa and was attended by ITIDA CEO, Mr. Yasser Elkady as an official speaker presenting Egypt ICT experience, development and investment opportunities.

#### **5.2.4 Cooperation with Italy**

Egypt has had two projects with Italy: Italian Debt for Development Swap Program and Twinning Project with Italian Regulator, AGCOM.

##### **5.2.4.1 *Italian Debt for Development Swap Program***

The first phase of the Italian Debt Swap Program was signed in 2001 with funding of \$149.09 million from 2001 - 2007 to finance 53 projects through government entities and NGO in the following fields: Smart School Network, Mobile IT Club, ICT for Illiteracy Eradication, Community Development Portal and Community Development Generation.

In 2007 Egypt and Italy signed the second tranche of the debt for development swap agreement with a total of \$100 million to finance projects in ICT, Environment, Poverty alleviation, Youth and Children, Health Sector and Gender and for a period of 5 years (2007-2011) and which including the following fields in the ICT area: Technical education, Small and Medium Enterprises and Modernizing Industrial Schools using Information and Communication Technologies- ICT for SMEs.

The total budget allocated to ICT under phase two was \$4 million with 50% contribution from Italian Cooperation and 50% contribution from MCIT.

##### **5.2.4.2 *Twinning Project with AGCOM***

MCIT through the National Telecommunication Authority (NTRA) had a twinning project with AGCOM, Italy & BNETZA, Germany (Junior Partner) from November 2008 until April 2011. Twinning with European regulators was part of the policy to empower the telecommunications sector through continued liberalization, ensuring that all stakeholders (citizens, government, operators and vendors) benefit throughout the process.

#### **5.2.5 Cooperation with Spain**

Egypt took part in the GSMA Mobile World Congress, organized by World Federation for GSM Operators and hosted in Barcelona during 25 -28 February 2013. The Egyptian delegation, presided by His Excellency, Mr. Atef Helmy, Minister of Communications and Information Technology included officials, commercial representatives and Information Technology Industry Development Agency (ITIDA), who sponsored 17 ICT specialized Egyptian companies.

On the sideline of GSMA Mobile World Congress, a meeting was scheduled with the Spanish Secretary of State for ICT Affairs to strengthen bilateral relations in the ICT field between Egypt and Spain. The meeting focused on discussing means of activating cooperation between the two countries in fields of mutual interests such as broadband, ICT applications, e-Signature, e-Health



applications, fields of technological innovation and entrepreneurship and establishment and management of technology areas.

Hon. Mr. Helmy also met with the Spanish Minister of Communications and Information Society and the Turkish Minister of Transport and Communication, Vice President of the European Commission, members of World Economic Forum and the delegation of Catalonia Government.

#### **5.2.6 Cooperation with Poland**

An Egyptian experts' mission to Poland took place from 21st – 25th April 2013, organized in collaboration with the Polish Embassy in Cairo. This experts' mission aimed at strengthening cooperation between both countries in ICT field, especially in areas of broadband development, capacity building, e-applications, and cyber security, as well as Private sector cooperation and investment in the ICT field, especially in BPO/KPO industry. As a result of the mission, Egypt has suggested that an MOU be signed between the Ministries of ICT in both countries, noting the areas of common interest revealed during the mission.

On the margin of the Global Symposium for Regulators (GSR) held in Warsaw in July 2013, the Egyptian National Telecommunication Regulatory Authority (NTRA) and the Polish Office of Electronic Communications (UKE) signed a Memorandum of Understanding aiming at strengthening cooperation between both Regulators.

#### **5.2.7 Cooperation with Ireland**

A Ministerial mission was organized to Ireland in February 2009. Three Memorandums of Understanding were signed between Egypt & Ireland during the mission

- Agreement between the Information Technology Institute (ITI) in Egypt and Education Media and Publishing Group Ireland (EMPGI)
- Agreement between Dublin Institute of Technology (DIT), the National Telecommunication Institute (NTI) and the Information Technology Institute (ITI)
- Agreement between Egypt's Information Technology Industry Development Agency (ITIDA), the Egyptian Association for Information Technology (ITEC) and the Irish Software Association (ISA).

#### **5.2.8 Cooperation with France**

MCIT signed a Memorandum of Understanding with the French Ministry of Industry on 28th September 2003 in Cairo. The Memorandum of Understanding included the following areas of cooperation: eGovernment; Development of Digital economy; Regulation; Evolution of Postal Services; Encouraging and supporting partnerships between SMEs; Training and education; Development of IT –oriented technology parks and Multilateral issues (ITU, UPU etc).

MCIT signed an action plan with the French Ministry of Industry on 16th November 2005 in Tunis. This action plan signed by Dr. Tarek Kamel Minister of MCIT and Mr. Francois Loos Minister of

Industry of the French Republic included the following areas of cooperation: Benchmarking on public policies and national strategies towards the development of knowledge based information society; Exchanges of best practices on postal and ICT regulation; E-commerce, electronic signature and security of electronic transactions; Smart cards in e-business and e-signature applications; Collaboration between software park and clusters and International issues, including the follow-up and implementation of the World summit on the Information Society (WSIS).

In addition a numbers of MoUs were signed during the Ministerial visit to France to participate in the Franco-Egyptian Presidential Council (CPAFE) meeting in 2007 between the Egyptian and the French Organizations in the ICT field:

- MoU between Sophia Antipolis Technology Park, ITIDA and the Smart Village company;
- MoU between Groupe La Poste (the French Post Organization) and the Egyptian National Post Organization (ENPO);
- ITIDA signed an MoU with IBM on training and human development and with Orange on establishing a technology innovation center in the Smart Village to be specialized in technology R&D; and
- Telecom Egypt signed a contract with Alcatel- Lucent.

#### **5.2.8.1 *Twining project between Egypt and France***

A Twinning agreement was signed between Egypt Post and French La Poste on 26th February 2007 to implement the Action for the Establishment of a Modern Postal Management for the Egyptian National Postal Organization [ENPO].

### **5.2.9 Cooperation with Hungary**

A Memorandum of Understanding (MOU) for Cooperation in Information and Communications Technology (ICT) field was signed between the Egyptian Ministry of Communications and Information Technology (MCIT), and the Ministry of Information and Communication of the Republic of Hungary, in February 2005.

## **5.3 Bilateral Cooperation with African Member States**

Egypt has been actively engaging with Nile basin countries and other African Member States to share experiences and provide ICT-related training. Engineers from Sudan, Eriteria and Burundi have been trained in Egypt. MCIT has signed Letters of Intent with Uganda, Ethiopia and South Africa outlining specific areas for ICT-related cooperation. A Cultural heritage project has been funded by MICT in Democratic Republic of Congo. Discussions are ongoing with Kenya, Rwanda, Tanzania and South Sudan.

### **5.3.1 Cooperation with Sudan**

During October 2011 ten Sudanese participants were trained on Frequency Spectrum at the National Telecommunications Regulatory Authority (NTRA). Egypt has sent detailed information on

the various training courses on communications and information technology that can be provided by the National Telecommunications Institute and the Information Technology Institute.

### **5.3.2 Cooperation with Uganda**

In December 2010 the Egyptian Minister of ICT visited Uganda where 7 Letters of Intent (LoIs) were signed between both sides in various fields of cooperation. In April 2012 the Ugandan Minister of ICT visited the Smart Village and signed a memorandum of Understanding (MoU) for cooperation in a number of topics. MCIT embarked on designing and establishing a full training program for Uganda to train 160 trainers who will target 3,000 local participants to train them on Business Process Outsourcing (BPO) related issues.

Uganda and Egypt agreed to cooperate in submarine cables, cyber security, and establishment of technology parks.

### **5.3.3 Cooperation with Eritrea**

MCIT organized several training programs on information technology related issues at the Information Technology Institute for participants from different African countries during October and November 2011. 10 Eritrean participants joined the program.

20 trainees from Eritrea were expected to join a training program organized by MCIT on cyber security during January 2012 but it was postponed due to internal issues related to the Eritrean side.

### **5.3.4 Cooperation with Burundi**

In June 2013 MCIT hosted a number of participants from Burundi to receive a training program on eLearning at the Information Technology Institute (ITI).

### **5.3.5 Cooperation with Ethiopia**

The Egyptian Minister of ICT visited Ethiopia in January 2012 where he signed a number of Letters of Intent (LOIs) with his Ethiopian counterpart. MCIT sent detailed information on the different training courses provided by the National Telecommunications Institute and the Information technology Institute and are awaiting the feedback from Ethiopia in relation to the training courses, which suits them.

### **5.3.6 Cooperation with Kenya**

MCIT received the Minister of ICT of Kenya during his visit to Egypt where he visited the Smart Village and the various entities affiliated to the Ministry. The Kenyan delegation expressed their interest in benefiting from the Egyptian experience in the establishment and management of the Smart Village, capacity building and cyber security.

### **5.3.7 Cooperation with Democratic Republic of Congo**

MCIT established and fully funded the Cultural Panorama (Culturama) project in DRC where it documented the natural and cultural heritage and history of the country. The project was finalized in October 2012 during the celebrations of the Francophonie Summit.

### **5.3.8 Cooperation with Rwanda**

MCIT sent detailed information on the different training courses provided by the National Telecommunications Institute and the Information technology Institute and are awaiting feedback from the Government of Rwandan on the training courses that are most relevant.

### **5.3.9 Cooperation with South Sudan**

MCIT expressed its interest and willingness to share its experience in various fields with South Sudan, such as capacity building, ICT infrastructure, cyber security, and establishment of technology parks and are awaiting feedback from the South Sudan government.

### **5.3.10 Cooperation with Tanzania**

MCIT invited the Minister of Communications and Information Technology of Tanzania to visit Egypt during September 2012. During the visit MCIT organized several meetings for the Tanzanian Minister and the accompanying delegation with ICT entities to learn more about the recent developments in the Egyptian ICT sector.

Tanzania expressed its interest to benefit from the Egyptian experience in relation to Establishment of technology Parks; Cyber Security; Capacity Building and Innovation and software development

### **5.3.11 Cooperation with South Africa**

The Egyptian Ministry of Communications and Information Technology and South African Ministry of Communications signed a MoU in the field of telecommunications, information technology and personnel training in 2010, to encourage mutual cooperation in areas of common interest.

An official Visit by H.E. Jacob Zuma, President of South Africa, accompanied by a high level delegation took place from 18- 20 October 2010. Delegations from South Africa were also received in November 2007, December 2008 and January 2009. During these visits, the Egyptian experience in e- government and Business Process Outsourcing was discussed. Other topics of interest were building a similar smart village in Limpopo, which involves the Limpopo Living Lab that is considered the centre for Innovation and Competence Development inside and outside South Africa.

## **5.4 Other Funding Mechanisms**

### **5.4.1 Framework Programme 7**

The Ministry of Communications and Information Technology is a beneficiary under the IST-Africa Initiative since 2009. As part of its ongoing IST-Africa activities MCIT circulates updates on open

Calls for Proposals as they are available, encourages the research community to explore these opportunities for international research projects, promotes the research centres during international meetings and has undertaken an initial mapping of research capacity.

Up to November 2013 Egypt had successfully secured participation in **96** FP7 projects across the following themes: ICT (9 projects), Energy (4 projects), Environment (12 projects), Health (6 projects), INCO (19 projects), Space (3 projects), Social Sciences (7 projects), Transport (2 projects), Infrastructure (4 projects), NMP (1 project), People (7 projects), Science in Society (2 projects), Food Agriculture and Biotechnology (KBBE) (17 projects), Research Potential (2 projects) and Security (1 project). Up to September 2013, Egyptian organisations had secured funding of **€16.1 million** under FP7.

As at 31 December 2013, the following projects are now complete:

- **ICT: IST-Africa Initiative 2009 - 2011** Support Action (Ministry of Communications & Information Technology), **MEDAR** 2008 - 2010 Coordination and support action (The Engineering Company for Digital Systems Development & IBM World Trade Corporation Joint Stock Company & Sakhr Software Co.), **IDEALIST** 2008 - 2011 Coordination and support action (Ministry of Communications & Information Technology), **JOIN-MED** 2009 - 2011 Support Action (Ministry of Communications & Information Technology), **3D-COFORM**<sup>13</sup> 2008 - 2012 Collaborative Project (Center for Documentation of Cultural and Natural Heritage CULTNAT), **EUROAFRICA-P8**<sup>14</sup> 2012 - 2013 Support Action (Ministry of Communications & Information Technology),
- **Energy: MED-CSD** 2008 - 2010 Coordination and support action (New and Renewable Energy Authority), **NACIR** 2009 – 2012 Collaborative project (Ministry of Water Resources and Irrigation); **CLIMB** 2010 - 2013 Collaborative Project (Zagazig University), **DEWFORA** 2011 – 2013 Collaborative Project (Ministry of Water Resources and Irrigation),
- **Environment: SUSTAINERGYNET** 2008 - 2010 Coordination and support action (Cairo University), **CITYZEN** 2008 - 2011 Collaborative project (Cairo University), **IWWA** 2010 - 2012 Coordination and support action (Centre for Environment and Development for the Arab Region and Europe), **NIKER** 2010 - 2012 Collaborative project (Cairo University), **BAT4MED** 2010 - 2013 Coordination and support action (Egyptian Environmental Affairs Agency & Centre for Environment and Development for the Arab Region and Europe), **WASSERMED** 2010 – 2013 Collaborative project (Ministry of Water Resources and Irrigation);
- **Health: HEALTH-NCP-NET** 2008 – 2013 Coordination and support action (Academy of Scientific Research and Technology ASRT); **HEPACUTE** 2010 - 2013 Collaborative Project (The Holding Company for Biological Products & Vaccines LLC & Menoufiya University & National Research Center), **SPHINX** 2010 - 2013 Collaborative project (Ain Shams University

<sup>13</sup> <http://www.3d-coform.eu/>

<sup>14</sup> <http://euroafrica-ict.org/>



ASU Faculty of Medicine & General Organization for Teaching Hospitals and Institutes & Ministry of Health and Population);

- **INCO: CAAST-NET** 2008 – 2012 Coordination Action (Ministry of Higher Education and Scientific Research), **INCONET-GCC** 2010 - 2012 Coordination and support action (Ministry of Higher Education and Scientific Research), **SHERACA** 2009 – 2013 Coordination and support action (Ministry of Higher Education and Scientific Research & Academy of Scientific Research and Technology ASRT), **MIRA** 2008 – 2013 Coordination and support action (Ministry of Higher Education and Scientific Research & Academy of Scientific Research and Technology ASRT), **INGEDI** 2004 – 2005 Specific Support Action (The National Water Research Centre); **ADM-ERA** 2011 - 2013 Coordination and support action (Central Metallurgical Research and Development Institute), **ERAFRICA** 2010 - 2013 Coordination and support action (Ministry of Higher Education and Scientific Research), **INCONTACT-ONE WORLD** 2010 – 2013 Coordination and support action (Ministry of Higher Education and Scientific Research), **RECOCAPE** 2011 – 2013 Coordination and support action (Information Technology Industry Development Agency), **THEBERA** 2010 – 2013 Coordination and support action (Theodor Bilharz Research Institute & Academy of Scientific Research and Technology ASRT),
- **INFRA: EUMEDGRID-SUPPORT** 2010 – 2011 Coordination and support action (Egyptian Universities Network), **INDICATE** 2010 – 2012 Coordination and support action (Center for Documentation of Cultural and Natural Heritage CULTNAT), **PAERIP** 2011 – 2013 Coordination and support action (Ministry of Higher Education and Scientific Research);
- **Food Agriculture and Biotechnology KBBE: BIO CIRCLE** 2008 – 2011 Coordination and support action (National Research Center), **BIO CIRCLE 2** 2011 – 2013 Coordination and support action Coordination and Support Action (National Research Center), **AQUAMED** 2010 – 2013 Coordination and support action (National Institute of Oceanography and Fisheries), **ARIMNET** 2008 – 2013 Coordination and support action (The Agricultural Research Center), **SUSTAINMED** 2010 - 2013 Collaborative project (Zagazig University), **SWUP-MED** 2008 – 2013 Collaborative project (Centre for Environment and Development for The Arab Region and Europe); **MYCORED** 2009 - 2013 Collaborative project (National Research Center), **SIRRIMED** 2010 – 2013 Collaborative project (National Research Center),
- **People: PREVENTION T2D** 2009 – 2010 Support for training and career development of researchers (Marie Curie) (Ain Shams University ASU Faculty of Medecine), **BAT4MED** 2010 – 2013 Coordination (or networking) actions (Centre for Environment and Development for the Arab Region and Europe & Egyptian Environmental Affairs Agency); **IGF1RHC** 2013 - Support for training and career development of researchers (Marie Curie) (Alexandria University), **MOSQUITOBLOCK** 2013 - International incoming fellowships (Return phase) (Mansoura University), **PEOPLENETWORK+** 2012 – 2013 Coordination and support action (Academy of Scientific Research and Technology ASRT),

- **Research Potential: NUROMED** 2009 - 2013 Coordination and support action (Alexandria University), **RAMSES** 2010 – 2013 Coordination and support action (Cairo University);
- **Social Sciences: CLICO** 2010 - 2012 Collaborative project (Suez Canal University), **MEDPRO** 2010 – 2013 Collaborative project (Center for Economic and Financial Research and Studies); **SIS.NET** 2011 - 2013 Coordination and Support Action (Academy of Scientific Research and Technology ASRT);
- **Space: EAMNET** 2010 – 2013 Coordination and support action (National Institute of Oceanography and Fisheries); **BRAGMA** 2012 – 2013 Coordination and Support Action (National Authority for Remote Sensing and Space Sciences), **SIRIUS 2010 - 2013** Collaborative project (Ministry of Water Resources and Irrigation);

Forty-two projects are still running:

- **ICT: IST-Africa Initiative 2012 - 2013<sup>15</sup>** Support Action (Ministry of Communications & Information Technology), **IST-Africa 2014 – 2015** (Ministry of Communications & Information Technology) Support Action, **V-MUST.NET<sup>16</sup>** 2011 – 2015 Network of Excellence (Center for Documentation of Cultural and Natural Heritage CULTNAT);
- **Transport (including Aeronautics) (AAT): OPENAIR** 2009 - 2014 Collaborative Project (Ain Shams University, Faculty of Engineering), **X-NOISE EV** 2010 – 2014 Coordination and support action (Ain Shams University, Faculty of Engineering);
- **Energy: MATS** 2011 – 2015 Collaborative project (Academy of Scientific Research and Technology ASRT & New and Renewable Energy Authority & Delft Environment, Sonia Abdel Fattah Salem and Co & Naguib Onsi Sawiris & Co Joint Stock Company), **EUROSUNMED** 2013 – 2017 SICA (Alexandria University; Nile Valley Engineering Company Partnership & Helwan University);
- **Environment: CLIMATE FOR CULTURE** 2009 – 2014 Collaborative Project (Center for Documentation of Cultural and Natural Heritage CULTNAT), **MEDINA** 2011 - 2014 Collaborative Project (National Institute of Oceanography and Fisheries), **MEDSEA** 2011 - 2014 Collaborative Project (National Institute of Oceanography and Fisheries), **PEGASO** 2010 - 2014 Collaborative Project (National Institute of Oceanography and Fisheries & National Authority for Remote Sensing and Space Sciences);
- **Health: AFRICA BUILD** 2011 - 2014 Coordination and support action (Ministry of Communications & Information Technology), **DEEP** 2011 - 2014 Collaborative Project (Cairo University), **EUNAM** 2011 – 2015 Coordination and support action (Ain Shams University ASU Faculty of Medicine),

<sup>15</sup> <http://www.ist-africa.org>

<sup>16</sup> <http://www.v-must.net/>

- **INCO: CAAST-NET PLUS** 2013 - 2016 Coordination and support action (Ministry of Higher Education and Scientific Research), **FORCE** 2011 - 2014 Coordination and Support Action (National Institute of Oceanography and Fisheries), **MED-SPRING** 2013 - 2017 Coordination and support action (Ministry of Higher Education and Scientific Research & Alexandria University & Sekem Development Foundation - SDF), **SUDSOE** 2012 – 2014 Coordination and support action (National Authority for Remote Sensing and Space Sciences), **SHERACA PLUS** 2013 – 2016 Support Action (Ministry of Higher Education and Scientific Research, Academy of Scientific Research and Technology ASRT), **ERANETMED** 2013 – 2017 Coordination Action (Ministry of Higher Education and Scientific Research, Academy of Scientific Research and Technology ASRT), **INCONTACT 2020** 2013 - 2015 Coordination and support action (Academy of Scientific Research and Technology ASRT); **FP4BATIW** 2013 – 2016 Support actions (National Authority for Remote Sensing and Space Sciences), **MARE** 2013 – 2016 Support actions (National Research Center);
- **INFRA: LINKSCEEM-2** 2010 - 2014 Combination of CP & CSA (National Authority for Remote Sensing and Space Sciences & Library of Alexandria BIBALEX);
- **Food Agriculture and Biotechnology KBBE: AFTER** 2010 – 2014 Collaborative project (Alexandria University & National Research Center), **BIOWASTE4SP** 2012 – 2015 SICA (The Agricultural Research Center), **CREAM** 2011 - 2014 Coordination and support action (Alexandria University), **FOODSEG** 2011 – 2014 Coordination and support action (National Research Center), **PALM PROTECT** 2012 – 2014 Collaborative project (The Agricultural Research Center), **ULIXES** 2011 - 2014 Collaborative project (Mubarak City for Scientific Research and Technology Applications), **VEG-I-TRADE** 2010 – 2014 Collaborative project (Royal International Inspection Laboratory JSC), **WATERBIOTECH** 2011 – 2014 Coordination and support action (National Research Center); **VMERGE** 2013 - 2016 Collaborative SME project (Alexandria University)
- **NMP: BIONEXGEN** 2010 - 2014 Collaborative Project (Central Metallurgical Research and Development Institute);
- **People: FLOWAIRS** 2011 - 2015 Support for training and career development of researchers (Marie Curie) (Ain Shams University, Faculty of Engineering), **SOMATAI** 2012 – 2016 Networks for Initial Training (ITN) (German University in Cairo);
- **Security: CASSANDRA** 2011 - 2014 Collaborative Project (North-South Consultants Exchange LLC & Integrated Solutions for Ports JSC), **ARABTRANS** 2013 – 2016 SICA, Collaborative Project (The Egyptian Center for Public Opinion Research "Baseera");
- **Science in Society: SHEMERA** 2011 - 2014 Collaborative project (Arab & African Research Center Limited Partnership & Academy of Scientific Research and Technology ASRT & Alexandria University),

- **Social Sciences: FRAME 2013 – 2017** Collaborative Project (Cairo Institute for Human Rights Studies Association); **SI-DRIVE** 2014 - 2017 Integrated Project (Heliopolis University Association), **SAHWA** 2014 - 2016 Small/medium-scale focused research project for specific cooperation actions dedicated to international cooperation partner countries (SICA) (American University in Cairo)

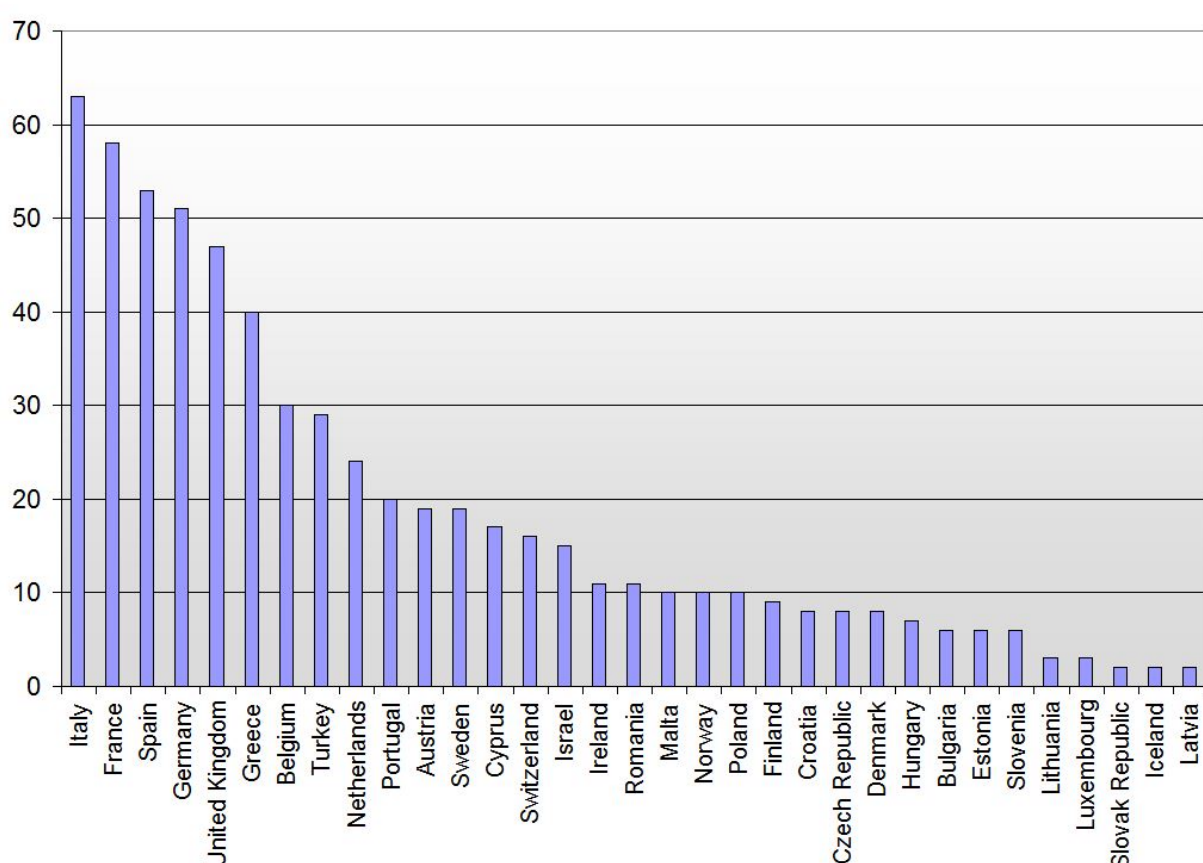
There is a strong appetite for continued participation in EU funded research, and the number of funded projects is expected to continue to be strong in future years.

European Coordinators included: Universitat Autònoma de Barcelona, Spain (4 projects); IIMC International Information Management Corporation Limited, Ireland (3 projects); Agenzia per la Promozione della Ricerca Europea, Italy (3 projects); Centre de Cooperation International en Recherche Agronomique pour le Developpement, France (2 projects); Institut National de la Recherche Agronomique, France (2 projects); Snecma sa, France (2 projects); Verein zur Foerderung Des Technologietransfers an Der Hochschule Bremerhaven e.V., Germany (2 projects); Foundation for Research and Technology Hellas, Greece (2 projects); Centro Internazionale di Alti Studi Agronomici Mediterranei - Istituto Agronomico Mediterraneo di Bari, Italy (2 projects); Consiglio Nazionale delle Ricerche, Italy (2 projects); Agencia Estatal Consejo Superior de Investigaciones Cientificas, Spain (2 projects); Universidad Politecnica de Madrid, Spain (2 projects); Association of Commonwealth Universities, United Kingdom (2 projects); and with **one project each**: di Andreas Moser Rtd Services -Rtds, Austria; Organisation for International dialogue and Conflict Management, Austria; Centre for European Policy Studies, Belgium; Katholieke Universiteit Leuven, Belgium; Universiteit Gent, Belgium; The Cyprus Research and Educational Foundation, Cyprus; Kobenhavns Universitet, Denmark; Københavns Universitet, Denmark; Teknologisk Institut, Denmark; Centre International des Hautes etudes Agronomiques Mediterraneennes Institut Agronomique Mediterranéen de Montpellier, France; Centre National de la Recherche Scientifique, France; Centre National de la Recherche Scientifique (CNRS), France; European Fisheries and Aquaculture Organisation, France; Institut de Recherche pour le Developpement, France; Institut Pasteur, France; Observatoire Mediterranéen de L'energie, France; Sigma Consultants, France; Universite d'Aix Marseille, France; Deutsches Krebsforschungszentrum, Germany; Deutsches Zentrum Fur Luft und Raumfahrt E.V., Germany; Forschungszentrum Juelich GMBH, Germany; Fraunhofer-Gesellschaft zur Foerderung Der Angewandten Forschung e.V, Germany; Hochschule Karlsruhe Technik und Wirtschaft, Germany; Klinikum Der Universitat Munchen, Germany; Ludwig-Maximilians-Universitaet Muenchen, Germany; Technische Universitaet Dortmund, Germany; Universitaet zu Koeln - Universitaetsklinikum, Germany; Euroconsultants S.A., Greece; Kentro Ananeosimon Pigon Ke Exikonosisis Energeias (Centre for Renewable Energy Sources and Saving), Greece; Planet S.A, Greece; The Icelandic Centre for Research, Iceland; Agenzia Nazionale per le Nuove Tecnologie, l'Energia e lo Sviluppo economico Sostenibile, Italy; Centro Euro-Mediterraneo per I Cambiamenti Climatici Scarl, Italy; Centro Internazionale di Alti Studi Agronomici Mediterranei - Istituto Agronomico Mediterraneo di Bari (IAMB), Italy; Consorzio per Valutazioni Biologiche e

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Farmacologiche, Italy; Istituto Centrale per Il Catalogo Unico Delle Biblioteche Italiane e per le Informazioni Bibliografiche, Italy; Istituto Nazionale di Fisica Nucleare, Italy; Universita Ca' Foscari Venezia, Italy; Universita Degli Studi di Milano, Italy; Universita Degli Studi di Padova, Italy; Nederlandse Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek - TNO, Netherlands; Stichting Deltares, Netherlands; Meteorologisk Institutt, Norway; Instituto de Investigacao Cientifica Tropical, Portugal; Centre for International Information and Documentation in Barcelona, Spain; Fundacio Centre D'iniciatives I Recerques Europees a la Mediterrania - CIReM, Spain; Instituto Andaluz de Tecnologia, Spain; Instituto de salud Carlos III, Spain; Mediterranean Agronomic Institute of zaragoza / International Centre for Advanced Mediterranean Agronomic Studies, Spain; Universidad de Castilla - la Mancha, Spain; Plymouth Marine Laboratory, United Kingdom; The Secretary of State for Environment, Food and Rural Affairs, United Kingdom; The University Court of the University of Aberdeen, United Kingdom; University of Brighton, United Kingdom and University of Leeds, United Kingdom.

Egypt - Number of FP7 Projects with EU Participants by Country



The diagram above provides an overview of the number of FP7 proposals that involved partners from different European and Associated Countries with participants from Egypt.

Six hundred and forty five (**645**) European and Associated Country organisations partnered with Egyptian organisations in successful FP7 projects. This is a significant network for future collaboration under Horizon 2020. The most prominent organisations that were involved in multiple projects included: Consiglio Nazionale delle Ricerche, Italy (16 projects); Deutsches Zentrum Fur



Luft und Raumfahrt E.V., Germany (15 projects); Institut de Recherche pour le Developpement, France (11 projects); Turkiye Bilimsel Ve Teknolojik Arastirma Kurumu, Turkey (11 projects); Agenzia per la Promozione della Ricerca Europea, Italy (10 projects); Fundacao para a Ciencia e a Tecnologia, Portugal (9 projects); Agencia Estatal Consejo Superior de Investigaciones Cientificas, Spain (9 projects); Centre National de la Recherche Scientifique, France (8 projects); Institut National de la Recherche Agronomique, France (8 projects); Foundation for Research and Technology Hellas, Greece (8 projects); The Cyprus Research and Educational Foundation, Cyprus (6 projects); Centre de Cooperation International en Recherche Agronomique pour le Developpement, France (6 projects); Forschungszentrum Juelich GmbH, Germany (6 projects); Fraunhofer-Gesellschaft zur Foerderung Der Angewandten Forschung e.V, Germany (6 projects); Ethniko Idryma Erevnon, Greece (6 projects); Universidad Politecnica de Madrid, Spain (6 projects); Universitat Autonoma de Barcelona, Spain (6 projects); Sihtasutus eesti Teadusagentuur, Estonia (5 projects); Matimop, Israeli Industry Center for Research & Development, Israel (5 projects); Centro Internazionale di Alti Studi Agronomici Mediterranei - Istituto Agronomico Mediterraneo di Bari, Italy (5 projects); Norges Forskningsrad, Norway (5 projects); Katholieke Universiteit Leuven, Belgium (4 projects); Sihtasutus Archimedes, Estonia (4 projects); IIMC International Information Management Corporation Limited, Ireland (4 projects); Office of the Prime Minister, Malta (4 projects); Instytut Podstawowych Problemow Techniki Polskiej Akademii Nauk, Poland (4 projects); Kungliga Tekniska Hogskolan, Sweden (4 projects) and Verket för Innovationssystem, Sweden (4 projects). The full list of all European partner organisations is available in Annex 1 of this report.

#### 5.4.2 EumedConnect: NReNs interconnection to GEANT

EumedConnect: NReNs interconnection to GEANT project<sup>17</sup> builds on the previous phase of EUMEDCONNECT, which was originally launched in 2004 to develop an inclusive Information Society in the Mediterranean partner countries. It is focused on linking Mediterranean and European partners via GEANT to provide high-capacity Internet connectivity for academic and scientific collaborations.

**Countries involved:** Mediterranean Partner countries, including Morocco, Algeria, Tunisia, Egypt

**Main partner:** DANTE

**Partner in Egypt:** EUN – Egyptian Universities Network

**Funding:** 4M€ from ENPI (European Neighbourhood and Partnership Instrument) 2009-2011

#### 5.4.3 NATP (New Approach to Telecommunications Policy): Support to Regulatory Reforms and Harmonization in the Mediterranean Region

THE NATP projects have focused on facilitating the creation of a harmonised and investment friendly environment in the electronic communication sector. NATP-3 builds on the work undertaken

<sup>17</sup> <http://www.eumedconnect2.net/server/show/nav.2167>

in NATP-1 in relation to policy goals and creating awareness of the benefits of liberalising the telecommunications industry and NATP-2 which focused on regulatory reform. NATP-3 is focused on exploiting international cooperation between national regulatory authorities.

**Countries involved:** Mediterranean Partner Countries including North Africa (Morocco, Algeria, Libya, Tunisia, Egypt)

**Main partner:** EMERG (Euro-Mediterranean Group of Electronic Communications Regulators)

**Funding:** 1M€ from ENPI (European Neighbourhood Policy Instrument) 2009-2011

## 6. ETHIOPIA

### 6.1 Introduction

Ethiopia is situated in Eastern Africa and shares boundaries with Somalia, Kenya, South Sudan, Sudan, Eritrea and Djibouti. It has a surface area of 1,104,300 square kilometres and is a federal state with nine regional states and two city administrations. Its population is estimated at 93.877 million inhabitants (July 2013, CIA World Fact Book) with a literacy rate of 39%. Ethiopia is Africa's oldest independent country and its second largest in terms of population. Almost 53% of the total population is between 15 - 64 years of age. Addis Ababa has a population of 2.8 million (2009 CIA World Factbook). Although Amharic is the official language of Ethiopia; English and Arabic are widely spoken.



Ethiopia is a multi-ethnic society. The climate is tropical monsoon with wide topographic-induced variation due to its terrain. In terms of natural resources, there are small reserves of gold, platinum, copper, potash, natural gas and hydropower.

In terms of economy, Ethiopia is one of the fastest growing non-oil economies in Africa. It is heavily dependent on agriculture (accounts for 46% of GDP and 85% of total employment), which is often affected by droughts (2013, CIA World Factbook). Coffee is its major export crop.

Ethiopia views its ICT Policy and Strategy (2009) as integral parts of the country's larger development goals to reach its ambition to become a middle-income country by 2025. The National Science, Technology and Innovation (STI) Policy (2012) aims to create a technology transfer framework to build national capacity. In terms of ICT Infrastructure, there is 12,000 km optic fibre cable infrastructure starting from the central Ethiopia to all directions of the country and connected all cities with a capacity to transmit 40 Gbps along with the national backbone.

MCIT has established 147 Community Information Centres and 9 community radio stations in remote areas of the country to date to provide information on new ICT technology transfer and implementations, healthcare, agricultural information and education issues. There is a Government call centre that citizens can ring via a toll free number and discuss their queries in relation to Government Ministries and Departments. The framework for the National Public Key Infrastructure (PKI) is completed and has now moved into the implementation phase.

Over the past few years, there have been a number of national initiatives focused on stimulating the use of ICT including: the National Data Set; National Enterprise Service Bus (NESB); Public Key Infrastructure (PKI); EthioICT-Village; WoredaNet; Integrated Financial Management Information

System; ICT Business Incubation Centre; EthERNet (Ethiopian Education and Research Network) and SchoolNet. More information in relation to these activities are outlined in a complementary IST-Africa Study entitled “Guide to ICT Initiatives and Research Capacity in IST-Africa Partner Countries”, January 2014, ISBN: 978-1-905824-41-0.

There are 31 public universities and 42 private institutions of higher education across the country. The Government introduced the ‘ICTs in Education Implementation Strategy and Action Plan’ in 2010 as one of the pillars of the ICT4AD Plan to address the rural-urban divide in Ethiopia in terms of access to computer in education.

## **6.2 Bilateral Cooperation**

Bilateral support for ICT related activities is primarily from the VLIR-IUC Belgian Programme, German Federal Ministry for Economic Cooperation and Development (Entrepreneurship project between Arba Minch University and Neu-Ulm University of Applied Sciences, Germany), Bern University in Switzerland, Republic of South Korea and United States.

### **6.2.1 Belgium**

The VLIR-IUC programme aims at building the institutional capacity of a selected number of universities in the South. The IUC-JU Institutional University Cooperation project is a collaboration between Jimma University and the different Flemish universities under the umbrella of the Flemish Interuniversity Council (VLIR-UOS). The IUC-JU project focuses on the impact of the Gilgel Gibe hydro-electric dam in terms of human and animal health, ecology and agronomy. Joint research is undertaken in different disciplines in the Gilgel Gibe area to improve the quality of life of communities. Furthermore, it is envisaged that the research and educational capacities of Jimma University academic staff will be extended.

**Main Partners:** Jimma University, VLIR

**Funding:** VLIR

### **6.2.2 Germany**

Arba Minch University has recently forged a fruitful alliance with the Neu-Ulm University of Applied Sciences, Germany (HNU) and signed a Memorandum of Understanding (MoU) for the joint project, ‘Applied Entrepreneurship Education Program’ (AEEP), in Neu-Ulm, Germany on October 18, 2013.

This project is a three-year capacity building project that will run until 2016. The main aim of this project is to harness and promote entrepreneurial aspirations amongst Electrical Engineering students in AMU and its staff.

**Main Partners:** Arba Minch University, Neu-Ulm University of Applied Sciences Germany (HNU), German Federal Ministry for Economic Cooperation and Development (BMZ), DAAD

**Funding:** German Federal Ministry for Economic Cooperation and Development (BMZ)

### 6.2.3 Switzerland

Hawassa University has signed a Memorandum of Understanding with Bern University of Switzerland to work on the Young entrepreneur Exchange Project (YEEP).

The purpose of the YEEP project partnership is to

- Mobilize young Ethiopians and Swiss with innovative business ideas
- Develop an entrepreneurial culture in all areas of study (teaching/learning) at both institutions
- Support project participants in developing their own business ideas
- Encourage and support new start-ups through an entrepreneurial network
- Provide opportunities for intercultural learning and capacity building

**Main Partners:** Hawassa University, Bern University

**Funding:** Bern University of Switzerland through fund raising

### 6.2.4 South Korea

The Republic of South Korea is providing support through different bilateral cooperation projects including the establishment of the Information Access Centre and an advisory service for projects on the e-office service and the Government Integrated Data System project.

The South Korean National Information Society Agency (NIA) and MCIT signed an agreement for the establishment of Information access center in Addis Ababa, which will serve the community by providing access to the Internet and information sources. The Ministry of Science and Technology was selected to host the center, which has been inaugurated and commenced activities.

**Main Partners:** Ministry of Science and Technology, Ministry of Communication and Information Technology

**Funding:** 300,000 USD, project commenced in December 2013

### 6.2.5 United States of America

Jimma University collaborated with the School of Public Health and Tropical Medicine at Tulane University (USA), the Federal Ministry of Health (Ethiopia), Centers for Disease Control and Prevention (CDC) and the National School of Public Health (ENSP/Fiocruz, Brazil) on a MSc in Health Monitoring and Evaluation to assist in building capacity in the Ethiopian health system.

The Masters in Health Monitoring and Evaluation started in February 2006 in the Department of Health Services Management in Jimma University. To date, a total of 130 students have graduated in four cohorts of postgraduate training in Health Monitoring and Evaluation of which 11 (8.5%) are international students from different African Countries.

The program has evolved as a center of excellence in the field under the College of Public Health and Medical Sciences with wider range of services including the MSc level training in Health M&E,



researches on evaluation, short term trainings in M&E and consultancy services for evaluation clients.

Currently, ICME – JU has enrolled fifth cohort trainees composed of both national and international different departments in Jimma University, Tulane University (New Orleans, USA), National School of Public Health (ENSP/Fiocruz, Rio de Janeiro, Brazil) and other Ethiopian and US Based Universities to offer standard training in Program Evaluation applied to Public Health.

**Main Partners:** Jimma University, Tulane University, Federal Ministry of Health, Center for Disease Control and Prevention and National School of Public Health (ENSP/Fiocruz, Brazil)

## 6.3 Other Funding Mechanisms

### 6.3.1 Framework Programme 7

The Ministry of Science and Technology (MoST) and the Ministry of Communications and Information Technology are beneficiaries under IST-Africa since 2011. Participation in IST-Africa facilitated MCIT to host an IST-Africa Stakeholder Meeting in Addis Ababa on 05 December 2013 to undertake a consultation with the research community to map expertise. As part of its ongoing IST-Africa activities MCIT circulates updates on open Calls for Proposals as they are available, encourages the research community to explore these opportunities for international research projects, promotes the research centres during international meetings and has undertaken an initial mapping of research capacity.

Up to November 2013 Ethiopia had successfully secured participation in **23** projects in FP7. This is broken down thematically into: ICT (2 projects), Environment (8 projects), Health (5 projects), KBBE (3 projects), Space (2 projects) and SSH (3 projects). Up to September 2013 Ethiopian organisations had secured **€3.66 million** in funding under FP7 as well as funding secured by 24 individual researchers through Marie Curie Actions.

As at 31 December 2013, the following projects are now completed:

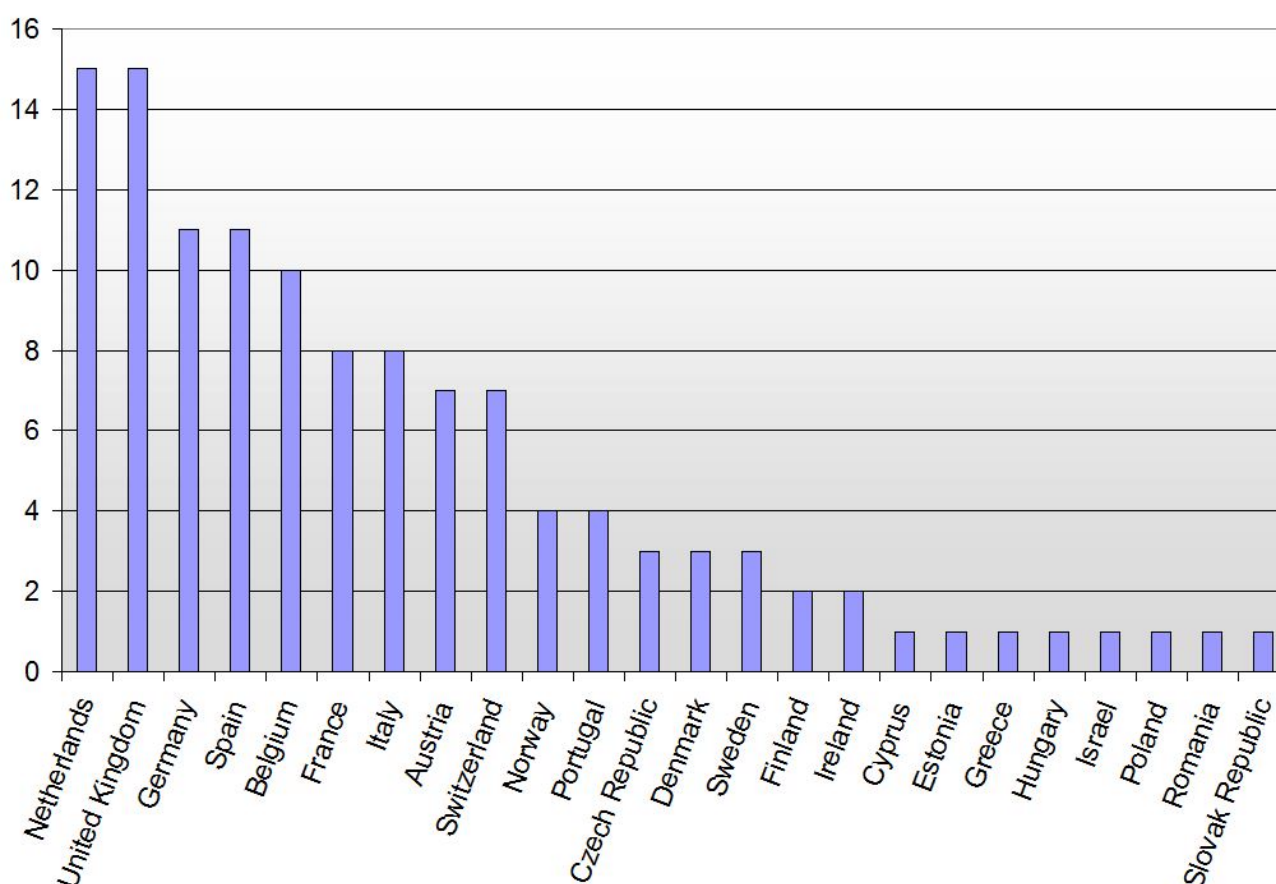
- **Environment: AEGOS** 2008 - 2011 (Geological Survey of Ethiopia) Coordination and support action; **CLUVA** 2010 - 2013 (Addis Ababa University) Collaborative project,
- **Health: EVAL-HEALTH** 2011 - 2013 (Union Africane) Collaborative project,
- **Space: GARNET-E** 2010 - 2012 (Geosas Consulting Service PLC) Coordination and support action, **ISAC** 2011 – 2013 (Geosas Consulting Service PLC) Collaborative project;
- **SSH: DIASPEACE** 2008 - 2011 (Forum For Social Studies) Collaborative project, **CLICO** 2010 - 2012 (Addis Ababa University) Collaborative project;

Fifteen projects are still running:

- **ICT: IST-Africa Initiative** 2012 - 2013 (Ministry of Science and Technology/ Ministry of Communications and Information Technology) Support action; **IST-Africa 2014 – 2015** (Ministry of Communications and Information Technology) Support Action

- **Environment: AGRICAB** 2011 - 2015 (Geosas Consulting Service Plc) Collaborative project, **CLARA** 2011 - 2014 (Arbaminch University AMU& Arbaminch Water Supply and Sewerage Enterprise & Arba Minch Town Municipality & Arba Minch Town Egnan New Mayet Compost Production Youth Association & Wubet le Arba Minch Micro and Small Scale Trade and Industry Association & Arba Minch Health Center) Collaborative project, **WAHARA** 2011 - 2016 (Mekelle University) Collaborative project, **WHATER** 2011 - 2014 (Arbaminch University AMU) Collaborative project; **EARTH2OBSERVE** 2014 - 2017 (Addis Ababa University) Collaborative Project, **SIGMA** 2013 – 2017 (Geosas Consulting Service Plc) Collaborative Project
- **Health: AFRICOLEISH** 2013 - 2015 (University of Gondar) Small or medium-scale focused research project, **EMERALD** 2012 - 2017 (Addis Ababa University) SICA, **REACHOUT** 2013 - 2018 (Ministry of Health) SICA, **SURE** 2009 - 2014 (Ethiopian Health And Nutrition Research Institute) Collaborative project;
- **Food Agriculture and Biotechnology KBBE: EAU4FOOD** 2011 - 2015 (Mekelle University) Collaborative project, **SOLIBAM** 2010 - 2014 (Mekelle University) Collaborative project, **STAR-IDAZ** 2011 – 2015 (Union Africane) Coordination (or networking) actions;
- **SSH: FOODSECURE** 2012 - 2017 (Ethiopian Economics Association) Collaborative project

Ethiopia - Number of FP7 Projects with EU Participants by Country



The diagram above provides an overview of the number of FP7 proposals that involved partners from different European and Associated Countries with participants from Ethiopia.

European Coordinators included: Vlaamse Instelling Voor Technologisch Onderzoek N.V., Belgium (3 projects); Stichting dienst Landbouwkundig Onderzoek, Netherlands (3 projects); IIMC International Information Management Corporation Limited, Ireland (2 projects); and with **one project each**: Universitaet fuer Bodenkultur Wien, Austria; Jyvaeskylaen yliopisto- University of Jyvaskyla, Finland; Bureau de Recherches Geologiques et Minieres, France; Institut National de la Recherche Agronomique, France; AMRA - Analisi e Monitoraggio del Rischio Ambientale Scarl, Italy; Stichting Deltares, Netherlands; Vereniging Voor Christelijk Hoger Onderwijs Wetenschappelijk Onderzoek en Patientenzorg, Netherlands; Nasjonalt Kunnskapssenter for Helsetjenesten, Norway; Sociedad para el Fomento de la Innovacion Tecnologica S.L. - Innovatec, Spain; Universitat Autonoma de Barcelona, Spain; Drugs for Neglected Diseases Initiative Foundation \*DNDI, Switzerland; Infoterra Limited, United Kingdom; King's College London, United Kingdom; Liverpool School of Tropical Medicine, United Kingdom and The Secretary of State for Environment, Food and Rural Affairs, United Kingdom.

One hundred and forty nine (**149**) European and Associated Country organisations partnered with Ethiopia organisations in successful FP7 projects. This provides a good network for future collaboration under Horizon 2020. The most prominent organisations that were involved in multiple projects included: Stichting dienst Landbouwkundig Onderzoek, Netherlands (5 projects); Vlaamse Instelling Voor Technologisch Onderzoek N.V., Belgium (4 projects); Internationales Institut fuer Angewandte Systemanalyse, Austria (3 projects); JRC -Joint Research Centre- European Commission, Belgium (3 projects); Centre de Cooperation International en Recherche Agronomique pour le Developpement, France (3 projects); Institut National de la Recherche Agronomique, France (3 projects); Universiteit Twente, Netherlands (3 projects); Gisat S.R.O., Czech Republic (2 projects); Københavns Universitet, Denmark (2 projects); Technische Universitaet Muenchen, Germany (2 projects); IIMC International Information Management Corporation Limited, Ireland (2 projects); Het Koninklijk Instituut Voor de Tropen, Netherlands (2 projects); Institutt for Fredsforskning Stiftelse, Norway (2 projects); Agencia Estatal Consejo Superior de Investigaciones Cientificas, Spain (2 projects); Deimos Imaging S.L., Spain (2 projects); Infoterra Limited, United Kingdom (2 projects); Natural Environment Research Council, United Kingdom (2 projects); and University of Leeds, United Kingdom (2 projects). The full list of all European partner organisations is available in Annex 1 of this Report.

## 7. GHANA

### 7.1 Introduction

The Republic of Ghana is situated in West Africa, sharing boundaries with Cote d'Ivoire to the west, Burkina Faso to the north, Togo to the east and the Gulf of Guinea to the south.<sup>18</sup> It is a unitary state, with a surface area of 238,533 square km, subdivided into ten administrative regions. The population as at July 2013 was estimated at 25.199 million inhabitants, with a literacy rate of 71.5% (2010). 57% of the total population is between 15 and 64 years of age. Accra, the capital city, has a population of about 2.26 million (2009). English is the official language and is universally used in addition to other local languages.



Economically, Ghana is West Africa's second largest economy after Nigeria. Until 2006, Ghana's economy was dominated by agriculture, accounting for roughly one-quarter of GDP in 2010, while the services sector comprises almost 50% of country's GDP. Ghana's economy has been strengthened by a competitive business environment and sustained reductions in poverty levels. The country is also well endowed with natural resources including gold, bauxite diamonds, petroleum, silver, manganese, fish, hydropower, salt and limestone, as well exporting timber and rubber.

Policies driving ICT developments include the ICT for Accelerated Development Policy (ICT4AD), National Telecommunication Policy (NTP), National Science Technology and Innovation (STI) Policy and Development Plan.

In terms of ICT Infrastructure, the infrastructure is heavily concentrated in Accra. International Connectivity is provided via SAT- 3 Submarine Optical Fibre Cable. There is a National Fibre Optic Backbone that is being extended from 1000km to 4000km to connect 23 sites nationwide. VSAT internet connectivity is widely used (130 installed nationwide) and the introduction of 3 Generation services has led to an increase in the range of services provided by cellular operations. Currently, there are 6 cellular telecom operators (MTN (Scancom), Tigo (Millicom), Airtel (Bharti Airtel), Vodafone, Expresso and Globacom) and 143 FM broadcasting stations in Ghana<sup>19</sup>. In 2000, the Research and Educational Network (REN) was established with funding from the World Bank to link research institutions and academia.

ICT initiatives are currently ongoing at national level in the areas of eGovernance (eGhana, Ghana Integrated Financial Management Information System, Ghana Open Government Partnership

<sup>18</sup> The World Factbook, Accessed via: <https://www.cia.gov/library/publications/the-world-factbook/geos/gh.html>

<sup>19</sup> <http://www.kpmg.com/GH/en/Documents/Doing%20business%20in%20Ghana%20-2012.pdf>

(OGP), e-Immigration, Ghana Open Data Initiative, Biometric Passports and Voters ID), eHealth (National eHealth Strategy, National Health Insurance Scheme, eHealth Initiative) and ICT Skills Development (Better Ghana ICT project). More information in relation to these activities are outlined in a complementary IST-Africa Study entitled “Guide to ICT Initiatives and Research Capacity in IST-Africa Partner Countries”, January 2014, ISBN: 978-1-905824-41-0.

There are nine public universities and over 30 private institutions for Higher Educations.

## 7.2 Bilateral Cooperation

Ghana receives support from Denmark primarily in the area of Health and has received funding from IICD in relation to ICT for Education in the past.

## 7.3 Other Funding Mechanisms

### 7.3.1 Framework Programme 7

The Ministry of Environment, Science, Technology and Innovation was a beneficiary under the IST-Africa Initiative from 2011 - 2013. As part of its ongoing IST-Africa activities MESTI circulated updates on open Calls for Proposals as they are available, encouraged the research community to explore these opportunities for international research projects and promoted the research centres during international meetings.

Up to November 2013 Ghana had successfully secured participation in **43** projects in FP7. This is broken down thematically into: ICT (3 projects), Environment (6 projects), Health (17 projects), IDEAS (1 project), INCO (2 projects), Food Agriculture and Biotechnology (KBBE) (6 projects), NMP (1 project), People (1 project), Space (2 projects) and SSH (4 projects). Up to September 2013, Ghanaian organisations had secured **€3.2 million** in funding under FP7.

As at 31 December 2013, the following projects are now complete:

- **ICT: DIGITALWORLD** 2008 - 2009 (One Village Foundation) Coordination and support action, **FLOSSINCLUDE** 2008 - 2010 (Ghana India Kofi Annan Centre of Excellence In ICT– Advanced Information Technology Institute) Coordination and support action;
- **Environment: AEGOS** 2008 - 2011 (Geological Survey Department) Coordination and support action, **IWWA** 2010 - 2012 (Zoom Domestic Waste Services Limited & Kwame Nkrumah University of Science and Technology Kumasi & Centre for Environment Impacts Analysis Ltd) Coordination and support action, **QWECI** 2010 – 2013 (Kwame Nkrumah University of Science and Technology Kumasi) Collaborative project; **WASHTECH** 2011 - 2013 (Training, Research and Networking For Development LBG & Kwame Nkrumah University of Science and Technology Kumasi) Collaborative project;
- **Health: BURULIVAC** 2010 - 2013 (Kwame Nkrumah University of Science and Technology Kumasi) Collaborative project, **MONITORING MEDICINES** 2009 - 2013 (University of Ghana) Coordination and support action;



- **INCO: CAAST - NET** 2008 - 2012 (Ministry of Education, Sports and Science & Council for Scientific and Industrial Research) Coordination and support action;
- **NMP: CAPWA** 2010 – 2013 (Kwame Nkrumah University of Science and Technology Kumasi) Collaborative project;
- **Space: EAMNET** 2010 – 2013 (University of Ghana) Coordination and support action, **SAGA - EO** 2010 - 2012 (Ghana Meteorological Agency) Coordination and support action;
- **SSH: MAFE** 2008 - 2012 (University of Ghana) Collaborative project;

As at 31 December 2013, twenty-eight projects are still running:

- **ICT: IST - Africa Initiative** 2012 - 2013 (Ministry of Environment, Science and Technology) Support action;
- **Environment: CLIMAFRICA** 2010 - 2014 (Council for Scientific and Industrial Research Crops Research Institute Food Research Institute of Industrial Research) Collaborative project,
- **Health: AFRICA BUILD** 2011 - 2014 (University of Ghana) Coordination and support action, **APARET** 2011 - 2014 (University of Ghana & Kwame Nkrumah University of Science and Technology Kumasi) Coordination and support action, **CHEPSAA** 2011 - 2015 (University of Ghana) Coordination and support action, **E PIAF** 2010 - 2014 (Kwame Nkrumah University of Science and Technology Kumasi) Collaborative project, **HEALTH INC.** 2011 - 2014 (University of Ghana) Collaborative project, **IDAMS** 2011 - 2016 (Indepth Network) Collaborative project, **INTREC** 2012 - 2015 (Indepth Network) Coordination and support action, **MASCOT** 2011 - 2014 (University of Ghana) Coordination and support action, **OPTIMUNISE** 2011 - 2016 (Ghana Health Service & Indepth Network) Collaborative project, **PERFORM** 2011 - 2015 (University of Ghana) Collaborative project, **QUALMAT** 2009 - 2014 (Ghana Health Service) Collaborative project, **RODAM** 2012 - 2014 (Kwame Nkrumah University of Science and Technology Kumasi & University of Ghana) Collaborative project, **STOPENTERICS** 2010 - 2015 (University of Ghana) Collaborative project, **THESCHISTOVAC** 2010 - 2014 (University of Ghana) Collaborative project, **T - REC** 2011 - 2015 (Ministry of Health) Coordination and support action;
- **IDEAS: GENINVADE** 2012 - 2017 (University of Ghana) ERC Advanced Grant;
- **INCO: CAAST - NET PLUS** 2013 - 2016 (Council for Scientific and Industrial Research & Association of African Universities) Coordination and support action;
- **KBBE: AFTER** 2010 - 2014 (Council for Scientific and Industrial Research Crops Research Institute, Food Research Institute of Industrial Research) Collaborative project, **BIOWASTE4SP** 2012 - 2015 (Council for Scientific and Industrial Research) SICA, **GRATITUDE** 2012 - 2014 (Council for Scientific and Industrial Research Crops Research Institute Food Research Institute of Industrial Research & St.Baasa Ghana Limited & Caltech Ventures Ltd & Social Development and Improvement Agency LBG) Collaborative project, **OH - NEXTGEN** 2011 - 2015 (University of Ghana) Coordination and support action, **PROTEINSECT** 2013 - 2016 (Fish for Africa -

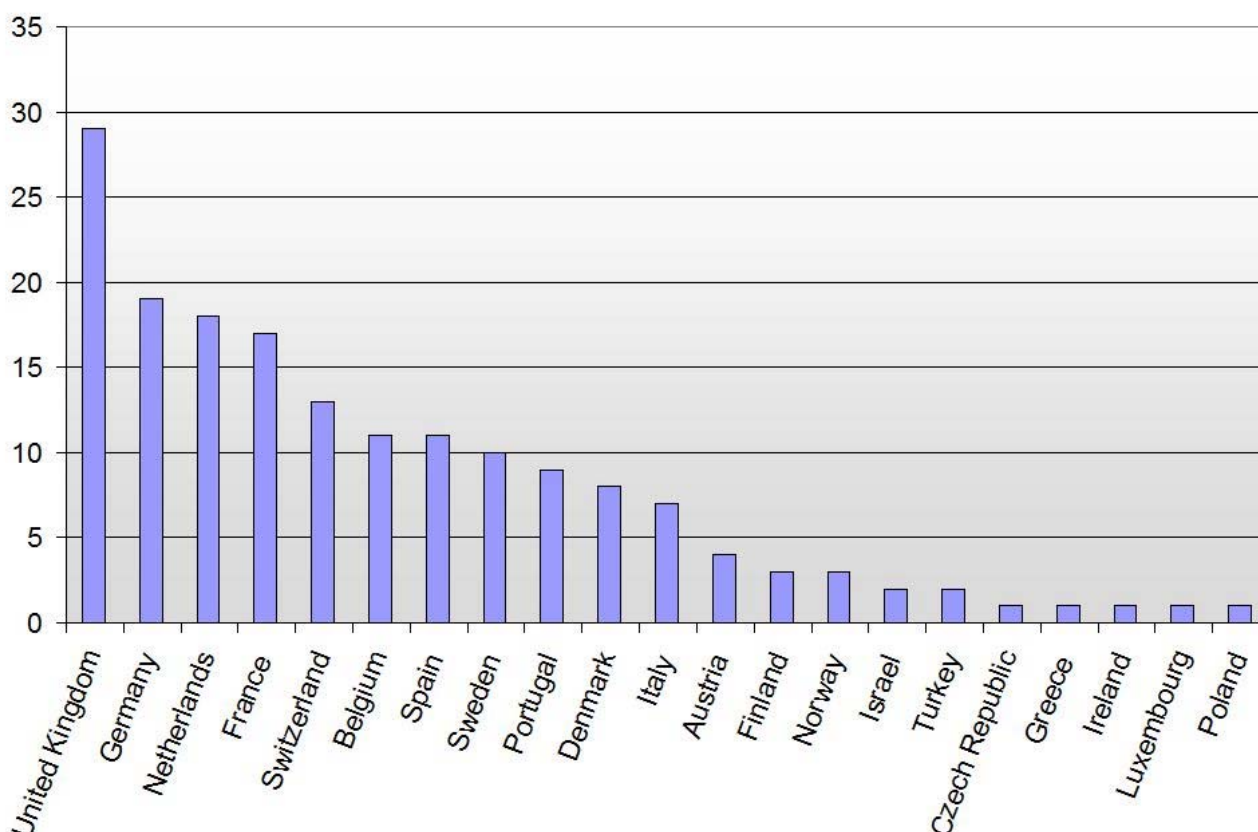


Ghana Limited by Guarantee) SICA, **SECUREFISH** 2012 - 2014 (Council for Scientific and Industrial Research Crops Research Institute Food Research Institute of Industrial Research) Collaborative project;

- **People: BAFADIA** 2013 - (University of Ghana) International incoming fellowships (Return phase);
- **SSH: NOPOOR** 2012 - 2017 (The Ghana Center for Democratic Development LBG) Collaborative project, **RURBANAFRICA** 2012 - 2016 (University of Ghana) Collaborative project

European Coordinators included: Bernhard-Nocht-Institut fuer Tropenmedizin, Germany (2 projects); Universitaetsklinikum Heidelberg, Germany (2 projects); Association of Commonwealth Universities, United Kingdom (2 projects); Liverpool School of Tropical Medicine, United Kingdom (2 projects); London School of Hygiene and Tropical Medicine, United Kingdom (2 projects); and with **one project each**: Prins Leopold Instituut Voor Tropische Geneeskunde, Belgium; Københavns Universitet, Denmark; Statens Serum Institut, Denmark; Teknologisk Institut, Denmark; Bureau de Recherches Geologiques et Minieres, France; Centre de Cooperation International en Recherche Agronomique pour le Developpement, France; Geie eRCIM, France; Institut de Recherche pour le Developpement, France; Institut National d'etudes Demographiques, France; Institut Pasteur, France; Thales Alenia Space France, France; Verein zur Foerderung Des Technologietransfers an Der Hochschule Bremerhaven e.V., Germany; IIMC International Information Management Corporation Limited, Ireland; Centro Euro-Mediterraneo sui Cambiamenti Climatici Scarl, Italy; Academisch Medisch Centrum Bij de Universiteit van Amsterdam, Netherlands; Academisch Ziekenhuis Leiden - Leids Universitair Medisch Centrum, Netherlands; Kema Nederland Bv, Netherlands; Stichting IRC International Water and Sanitation Centre, Netherlands; Universiteit Maastricht, Netherlands; Universidad Politecnica de Madrid, Spain; Stiftelsen Who Collaborating Centre for International Drug Monitoring, Sweden; Umea Universitet, Sweden; Council on Health Research for Development Association, Switzerland; London School of economics and Political Science, United Kingdom; Medical Research Council, United Kingdom; Plymouth Marine Laboratory, United Kingdom; The Secretary of State for Environment, Food and Rural Affairs, United Kingdom; The University of edinburgh, United Kingdom; The University of Liverpool, United Kingdom; University of Greenwich, United Kingdom and University of Surrey, United Kingdom.

Ghana - Number of FP7 Projects with EU Participants by Country



The diagram above provides an overview of the number of FP7 proposals that involved partners from different European and Associated Countries with participants from Ghana.

One hundred and ninety five (**195**) European and Associated Country organisations partnered with Ghana organisations in successful FP7 projects. This provides a significant network for future collaboration under Horizon 2020. The most prominent organisations that were involved in multiple projects included: Schweizerisches Tropen- und Public Health-Institut, Switzerland (5 projects); Prins Leopold Instituut Voor Tropische Geneeskunde, Belgium (4 projects); Københavns Universitet, Denmark (4 projects); Institut de Recherche pour le Developpement, France (4 projects); Universitaetsklinikum Heidelberg, Germany (4 projects); World Health Organization, Switzerland (4 projects); Centre de Cooperation International en Recherche Agronomique pour le Developpement, France (3 projects); Karolinska Institutet, Sweden (3 projects); Liverpool School of Tropical Medicine, United Kingdom (3 projects); London School of Hygiene and Tropical Medicine, United Kingdom (3 projects) and The Chancellor, Masters and Scholars of the University of Oxford, United Kingdom (3 projects). The full list of all European partner organisations is available in Annex 1 of this Report.

### 7.3.2 eGhana

The World Bank approved a loan to the Government of Ghana in 2006 for the eGhana project, which aims to develop an IT Enabled Services industry and support the development of

eGovernment applications. The project consists of three components: Enabling Environment, Support to Local ICT Businesses and IT-Enabled Services (ITES).

The Ghana Integrated Financial Management Information System (GIFMIS), is a four year project, which is part of the e-Ghana project aimed at reforming the Public Financial Management.

**Funding:** IDA, World Bank Loan of \$42 million, 2006 - 2014

## 8. KENYA

### 8.1 Introduction

Kenya is situated in East Africa, bordering the Indian Ocean and sharing boundaries with Tanzania, Uganda, South Sudan, Ethiopia and Somalia. It has a surface area of 580,367 square km, made up of forty-seven (47) counties. The population as at July 2013 was estimated at 44.07 million inhabitants with a literacy rate of 87.4% (CIA World Factbook). The national population based on the 2009 census data (KNBS) was 38.4 million. 54.8 percent of the population is between 15 and 64 years of age. Nairobi, the capital city, has a population of 3.375 million (2009 - CIA World Factbook). The official languages are English and Kiswahili.



Kenya recognises the importance of ICT and Innovation in achieving the Vision 2030 objectives. The enabling frameworks for Science, Technology and Innovation (STI) and Information Communication and Technology (ICT) sector are well placed in Kenya with four key policy documents: Kenya ICT Policy 2006 (under review), eGovernment Strategy, Kenya ICT National Master Plan 2017 and Kenya Science, Technology and Innovation (STI) Policy 2012. From a national development program point of view the key policy documents are the Kenya Vision 2030 and the STI Medium Term Plan for 2013 - 2017. Vision 2030 Science, Technology and Innovation Sector plan (2013-2017) has also identified Telecommunications, Electronics and Computers (TEC) as one of the nine priority thrusts that will provide the country with technologies and innovations that will develop high-tech vibrant, affordable and globally competitive ICT infrastructure and technology.

In terms of ICT infrastructure, a national fibre optic infrastructure is in place and four submarine cables are online (TEAMS - East Africa Marine System, SEACOM, EASSy - East African Submarine Systems, and LION Optical Fiber Submarine Cable System). The expanded terrestrial fibre optic cable (5,500 kms) is complete and linked to the undersea cable. The Kenya Education Network (KENET) is providing connectivity and services to 115 campuses across Kenya.

There are a wide range of ICT Initiatives and projects ongoing in Kenya including the Laptop Programme, Digital Inclusion Projects (Pasha Centres/Digital Villages, Wezesha Initiative), Business Process Outsourcing, Local Content Programme (Tandaa Digital Content Grants, Open Data Portal), Information Security and Other Initiatives (Konza Technology Park, zero-rated taxes on imported ICT hardware, eGovernment, Skills Programmes). More information in relation to these activities are outlined in a complementary IST-Africa Study entitled "Guide to ICT Initiatives and Research Capacity in IST-Africa Partner Countries", January 2014, ISBN: 978-1-905824-41-0.

The number of Higher Education institutions in Kenya has grown considerably over the past two years as a result of greater demand for University Education and the Government policy of enhancing access hence Constituency University Colleges becoming accredited as fully fledged Universities. There are now 22 fully chartered public universities, 9 public University Constituent Colleges, 6 public research institutes, 17 accredited private Universities, 11 private Universities with letter of interim authority and 5 private University Colleges.

## 8.2 Bilateral Cooperation

Kenya has sectoral bilateral cooperation agreements in relation to Science Technology and Innovation/ICT in place with France (through IRD, IFRA and CIRAD), United Kingdom (through the British Council), Spain, Netherlands, Germany, Norway, Finland and Sweden. Kenyan organisations are also beneficiaries in a number of FP7 co-funded research projects and ACP co-funded projects.

The table below presents current collaborations with EU Member States and European institutions.

COLLABORATIONS	LEAD MINISTRY	STATUS	THEME	COMMENT
<b>EUROPE</b>				
France (IRD, IFRA, CIRAD)	MoEST	Signed: June 2009	Multi thematic	1 <sup>st</sup> Conference on Biomathematics was held on 22nd -26th June 2009. Workshop on Geology (gemstones and Gemology) held in October 2011 IRD has so far awarded two PhD scholarships to Kenyan students under this agreement. French Embassy offers 30 Msc/PhD scholarships annually
British Council (AKTP)	MoEST	Signed, November 2009	Technology Transfer, Private Partnerships	Co-hosted Africa Knowledge transfer partnerships in February 2009
IAEA	National Council for Science and Technology (NCST)	Ongoing	Atomic Energy	
Italy (San Marco)	MoEST	Signed March, 1995; Expired March, 2010: Review in progress	Space Science	San Marco satellite Tracking and Launching Station was established in Malindi, Kenya. Both Kenya and Italy Governments have exchanged their respective draft copies of renewal agreements and are waiting a negotiation date in order to agree one

				document for signature.
Germany	MoEST	Under negotiation	Multi thematic	Existing cooperation on training of scientists in National priority sectors
Spain	MoEST	Signed		Cooperation in Technical, Industrial, Vocational and Entrepreneurial Training
Netherlands	Government of Kenya			Through the Nuffic Fellowship Programme (NFP)
University of Northampton (UK)	MoEST and Universities	Signed	eWaste Management	Agreement between MoEST, University of Northampton and several Universities on Implementation
EU development Agencies	DANIDA, DAAD, SIDA, DFID, GIZ		Research components in sectoral areas	Development aid to Kenya from the EU development agencies has focused on capacity building which involves graduate training (MSC/PhD) on related aspects of S&T

Other international programmes on Environment, climate change, agriculture and Forestry are funded through UNESCO, UNEP, UNDP and FAO regional offices based in Nairobi.

There is also direct institutional support to programmes in Universities and Research Institutes by European Union Members States.

ICT related bilateral support is primarily from Sweden (SPIDER Programme) and Germany (ict@innovation Open Source Regional Project). IICD funded several ICT for Education projects. Kenya was a beneficiary in a number of ACP-ICT Capacity building projects. Kenya secured participation in 68 FP7 projects (up to November 2013) and secured €12.3 million. in research funding.

### 8.2.1 Sweden

#### ***8.2.1.1 Empowering SHGs in Kenya and India through ICT for better education and alternative livelihood opportunities***

The overall objective of this project is to empower Self Help Groups (SHGs) to identify viable livelihood opportunities in order to improve their socio-economic status whilst bringing the well being of the environment into the equation. ICTs will provide an important tool in acquiring information and learning, but also to new market opportunities. ICT will be introduced in parallel with education to illustrate how it can improve their every day situation. This project ran from March 2007 – February 2010.



**Main Partners:** CORDIO East Africa - Costal Oceans Research and Development -Indian Ocean (Kenya); SDMRI -Suganthi Devadason Marine Research Institute (India); Nyköping Folkhögskola (Sweden)

**Funding:** SEK 2.500.000 through SPIDER Programme (Funded by SIDA)

#### **8.2.1.2 Open access: knowledge sharing and sustainable scholarly communication in Kenya, Tanzania and Uganda**

This project aims to raise visibility and accessibility of research outputs in Kenya, Tanzania and Uganda using free and open source software for open repositories and open access journals in higher education and research institutions. It aims to develop a sustainable network of open access champions and reinforce local capacity in the management of open access journals and repositories.

**Main Partners:** EIFL (Electronic Information for Libraries) in cooperation with *Kenya Library and Information Services Consortium and Medical Students' Associations of Kenya (MSAKE)*, *The Network of African Science Academies (NASAC)*, *National Council for Science and Technology, Directorate of Higher Education, Ministry of Education, Science and Technology Kenya*; Consortium for Tanzania Universities and Research Libraries and Ifakara Health Institute (IHI), Sokoine University of Agriculture (SUA), University of Dar es Salaam (UDSM), Muhimbili University of Health and Allied Sciences (MUHAS), Ministry of Health and Social Welfare (MoHSW) and Tanzania Commission for Science and Technologies (COSTECH); and Consortium of Uganda University Libraries (CUUL) and Inter-University Council for East Africa (IUCEA), National Council for Higher Education, National Information Technology Authority Uganda (NITA-U), Regional Universities Forum for Capacity Building in Agriculture (RUFORUM), Research and Education Network of Uganda (RENU) and Uganda National Council for Science and Technology (UNCST)

**Target Countries:** Uganda, Kenya, Tanzania

**Funding:** 500,000 SEK from SPIDER, June 2013 - May 2014

More information available at <http://spidercenter.org/projects/project-overview/open-access-knowledge-sharing-and-sustainable-scholarly-communication-in-kenya-tanzania-and-uganda-1.149779>

#### **8.2.1.3 M-Governance: Exploring conditions for successful Mobile Governance in Kenya**

The project aims to identify, describe and undertake an analysis of the conditions that can promote the use of mobile phones for increased citizen participation and successful delivery of government services in Kenya. Face-to-face interviews will also be conducted with government officials from the Ministry of Health, Agriculture, Water, and Education in order to understand the real potential for m-governance in these agencies.

**Target Country:** Kenya

**Funding:** 500,000 SEK from SPIDER, September 2011 – February 2013

More information available at <http://spidercenter.org/projects/project-overview/m-governance-exploring-conditions-for-successful-mobile-governance-in-kenya-1.149827>

#### **8.2.1.4 Acceleration of ICTs in Human Rights and Democracy Project - Kenya**

This project builds on a previous project run by Kenya Human Rights Commission (KHRC's) and aims to train grassroots community based human rights networks known as HURINETS with particular emphasis on mobile phone use, expand the project to five more HURINETS with capacity to implement the ICT4D project, Conduct community outreach on the use of ICTs in informal settlements where many violations occur and harness KHRC use of ICTs in human rights and democracy.

**Target Country:** Kenya

**Funding:** 500,000 SEK from SPIDER, July 2013 to October 2014

More information available at <http://spidercenter.org/projects/project-overview/acceleration-of-icts-in-human-rights-and-democracy-project-kenya-1.146840>

### **8.2.2 Germany**

#### **8.2.2.1 ict@innovation**

ict@innovation<sup>20</sup> is focused on building capacities in African Small and Medium sized ICT enterprises in relation to using Free and Open Source Software (FOSS) by spreading FOSS business models for enterprises in Africa, fostering FOSS certification and supporting innovative local FOSS applications for social and economic development.

**Target Countries:** Eastern and Southern Africa (Kenya, Malawi, Mozambique, Rwanda, South Africa, Tanzania, Uganda, Ethiopia, Namibia, Zambia)

**Main partners:** Partnership of FOSSFA (Free Software and Open Source Foundation for Africa) and InWEnt - Capacity Building International on behalf of German Federal Ministry of Economic Cooperation (BMZ), the Open Society Initiative for Southern Africa (OSISA).

**Funding:** 1.6m euro from German Federal Ministry of Economic Cooperation (BMZ), 2008 – 2010 first phase

### **8.3 Other Funding Mechanisms**

#### **8.3.1 Framework Programme 7**

The Ministry of Education Science and Technology (MoEST) is a beneficiary under the IST-Africa Initiative<sup>21</sup> since 2009.

Participation in IST-Africa facilitated MoEST to host an IST-Africa FP7 Training Workshop in Nairobi focused on FP7-ICT-Call 8 - 9 Calls for Proposals, a Stakeholder meeting focused on Horizon 2020

<sup>20</sup> <http://www.ict-innovation.fossfa.net/>

<sup>21</sup> <http://www.ist-africa.org>

in January 2014 and undertake a consultation with the research community to map expertise. As part of its ongoing IST-Africa activities MoEST circulates updates on open Calls for Proposals as they are available, encourages the research community to explore these opportunities for international research projects, promotes the research centres during international meetings and has undertaken an initial mapping of research capacity. MoEST is raising awareness of the potential of Living Labs in Kenya.

The Ministry of Education Science and Technology is also a beneficiary under CAAST-NET<sup>22</sup> since 2008 and ERA-Net<sup>23</sup> Africa since 2010.

Kenya made good progress in raising awareness of capacity under FP7 and up to November 2013 has successfully secured participation in **68** projects. This is broken down thematically into: ICT (5 projects), INCO (4 projects), Environment (18 projects), ERC (2 project), Health (14 projects), Food, Agriculture and Biotechnology KBBE (13 projects), INFRA (3 projects), People (3 projects), Science in Society (2 projects), Space (2 projects), Social Sciences (1 project) and Transport (1 project). Up to September 2013, Kenyan organisations had secured **€12.3 million** in funding under FP7.

As at 31 December 2013, the following projects are now complete:

- **ICT: IST-AFRICA Initiative** 2010 – 2011 (Ministry of Education, Science and Technology) Support action; **EUROAFRICA-P8** 2012 – 2013 (The Kenya Information and Communications Technology Board) Coordination and support action;
- **ENV: EUROGEOSS** 2009 - 2012 (United Nations Environment Programme) Collaborative project, **HERMIONE** 2009 - 2012 (United Nations Environment Programme) Collaborative project, **QWECI** 2010 – 2013 (International Livestock Research Institute) Collaborative project, **REDD-ALERT** 2009 - 2012 (International Centre for Research in Agroforestry) Collaborative project, **SUSTAINERGYNET** 2008 – 2010 (Afrepren/Fwd Energy, Environment and Development Network For Africa) Coordination and support action; **DEWFORA** 2011 – 2013 (IGAD Centre for Climate Prediction and Application) Collaborative project,
- **INCO: CAAST-NET** 2008 - 2012 (Ministry of Education, Science and Technology) Coordination and support action, **INCOFISH** 2005 – 2008 (Kenya Sea Turtle Conservation Committee) Specific Targeted Research Project; **ERAFRICA**<sup>24</sup> 2010 – 2013 (Ministry of Education, Science and Technology) Coordination and support action,
- **INFRA: INFRAVEC** 2005 - 2008 (International Centre of Insect Physiology and Ecology) Combination of CP & CSA, **PAERIP** 2011 - 2013 (Ministry of Education, Science and Technology) Coordination and support action;
- **Health: ANOPOPAGE** 2009 - 2012 (International Centre of Insect Physiology and Ecology) Collaborative project, **ISA** 2009 - 2012 (The Christian Missionary Fellowship & University of Nairobi) Coordination and support action, **MALVECBLOK** 2009 - 2012 (International Centre of

<sup>22</sup> [www.caast-net.org/](http://www.caast-net.org/)

<sup>23</sup> <http://www.erafrica.eu/en/159.php>

<sup>24</sup> <http://www.erafrica.eu/en/159.php>

Insect Physiology and Ecology) Collaborative project, **MONITORING MEDICINES** 2009 – 2013 (Pharmacy and Poisons Board, Ministry of Health) Coordination and support action, **NANOTRYP** 2009 – 2013 (National Museums of Kenya\*Institute of Primate Research) Collaborative project;

- **KBBE: BENWOOD** 2009 - 2011 (International Centre for Research in Agroforestry) Coordination and support action, **CA2AFRICA** 2010 - 2012 (African Conservation Tillage Network) Coordination and support action, **JOLISAA** 2010 – 2013 (Kenya Agricultural Research Institute) Coordination and support action, **LIPOYEASTS** 2008 - 2011 (University of Nairobi) Collaborative project; **INSTAPA** 2008 – 2013 (University of Nairobi) SICA
- **Science in Society: SET-DEV** 2008 - 2011 (African Technology Policy Studies Network & Intermedia NCG Limited) Coordination and support action;
- **Space: GARNET-E** 2010 - 2012 (Regional Centre for Mapping of Resources for Development) Coordination and support action; **BRAGMA** 2012 – 2013 (Ministry of Education, Science and Technology) Coordination and support action;
- **Social Sciences: CREATING** 2008 - 2010 (Institut Francais de Recherche en Afrique) Coordination and support action.

There are forty-one projects still running:

- **ICT: IST-AFRICA Initiative** 2012 – 2013 (Ministry of Education, Science and Technology) Support action, **E-AGRI** 2011 – 2014 (Ministry of Environment and Mineral Resources) Collaborative project, **IST-AFRICA Initiative** 2013 - 2014 (Ministry of Education, Science and Technology) Support action,
- **INCO: CAAST-NET PLUS** <sup>25</sup> 2013 – 2016 (Ministry of Education, Science and Technology & United Nations Environment Programme) Coordination and support action;
- **Environment: AFRICAN CLIMATE** 2011 – 2014 (International Centre for Research in Agroforestry & IGAD Centre for Climate Prediction and Application) Coordination and support action, **AFROMAISON** 2011 – 2014 (International Centre for Research in Agroforestry) Collaborative project, **AGRICAB** 2011 – 2015 (International Livestock Research Institute & Regional Centre for Mapping of Resources for Development & Ministry of Environment and Mineral Resources) Collaborative project, **CLARA** 2011 – 2014 (Egerton University) Collaborative project, **CLIMAFRICA** 2010 – 2014 (IGAD Centre for Climate Prediction and Application) Collaborative project, **HEALTHY FUTURES** 2011 – 2014 (University of Nairobi & International Livestock Research Institute & Kenya Medical Research Institute) Collaborative project, **I-REDD+** 2011 – 2014 (International Centre for Research in Agroforestry) Collaborative project, **KNOSSOS** 2010 – 2014 (United Nations Environment Programme) Coordination and support action, **OPENNESS** 2012 – 2017 (Kenya Forestry Research Institute) Collaborative project (generic), **WHATER** 2011 – 2014 (International Centre for Research in Agroforestry) Collaborative project; **HELIX** 2013 - 2017 (IGAD Centre for Climate Prediction and Application)

<sup>25</sup> [www.caast-net.org/](http://www.caast-net.org/)

Collaborative Project, **SIGMA** 2013 - 2017 (Regional Centre for Mapping of Resources for Development) Collaborative Project

- **Ideas - ERC: DECIDE** 2012 – 2017 (Kenya Medical Research Institute) Support for frontier research (ERC); **DIRTPOL** 2013 - 2017 (Kenyatta University) ERC Advanced Grant
- **Health: AVECNET** 2011 – 2016 (Kenya Medical Research Institute) Collaborative project, **CHEPSAA** 2011 – 2015 (Tropical Institute of Community Health and Development Trust) Coordination and support action, **DIFFER** 2011 – 2016 (International Centre for Reproductive Health Association) Collaborative project, **GO4HEALTH** 2012 – 2015 (University of Nairobi Enterprises and Services Limited) Coordination (or networking) actions, **IDEA** 2010 – 2015 (Kenya Medical Research Institute) Collaborative project, **MOMI** 2011 – 2016 (International Centre for Reproductive Health Association) Collaborative project, **REACHOUT** 2013 – 2018 (Liverpool VCT Care And Treatment Association) SICA, **SDH-NET** 2011 – 2015 (University of Nairobi) Coordination and support action, **THESCHISTOVAC** 2010 – 2014 (Kenya Medical Research Institute) Collaborative project;
- **INFRA: EURIPRED** 2013 – 2017 (Kenya Medical Research Institute) Combination of CP and CSA;
- **KBBE: AFSPAN** 2012 – 2014 (Ministry of Fisheries Development) Coordination and support action, **ANIMALCHANGE** 2011 – 2015 (International Livestock Research Institute) Collaborative project, **APROPOS** 2012 – 2014 (University of Nairobi) Collaborative project, **BIOWASTE4SP** 2012 – 2015 (African Institute for Capacity Development) SICA, **FOODMETRES** 2012 – 2015 (University of Nairobi) Collaborative Project targeted to a special group (such as SMEs), **ICONZ** 2009 – 2014 (International Livestock Research Institute) Collaborative project, **SECUREFISH** 2012 – 2014 (Kenya Marine and Fisheries Research Institute) Collaborative project; **AGFORWARD** 2014 - 2017 (International Centre for Research In Agroforestry) Large Scale Intergrated Project
- **People: BIRD ATLAS** 2012 - (National Museums of Kenya) Maire Curie International Incoming fellowship, **GENDRIVAX** 2011 – 2014 (Kenya Medical Research Institute) Support for training and career development of researchers (Marie Curie), **LYNGBYA-KENYA** 2013 - (Pwani University College) Support for training and career development of researchers (Marie Curie);
- **Science in Society: EJOLT** 2011 – 2015 (The East Africa Natural History Society Association) Coordination and support action;
- **Transport: SOLUTIONS** 2013 – 2016 (United Nations Human Settlements Programme) Coordination (or networking) actions;

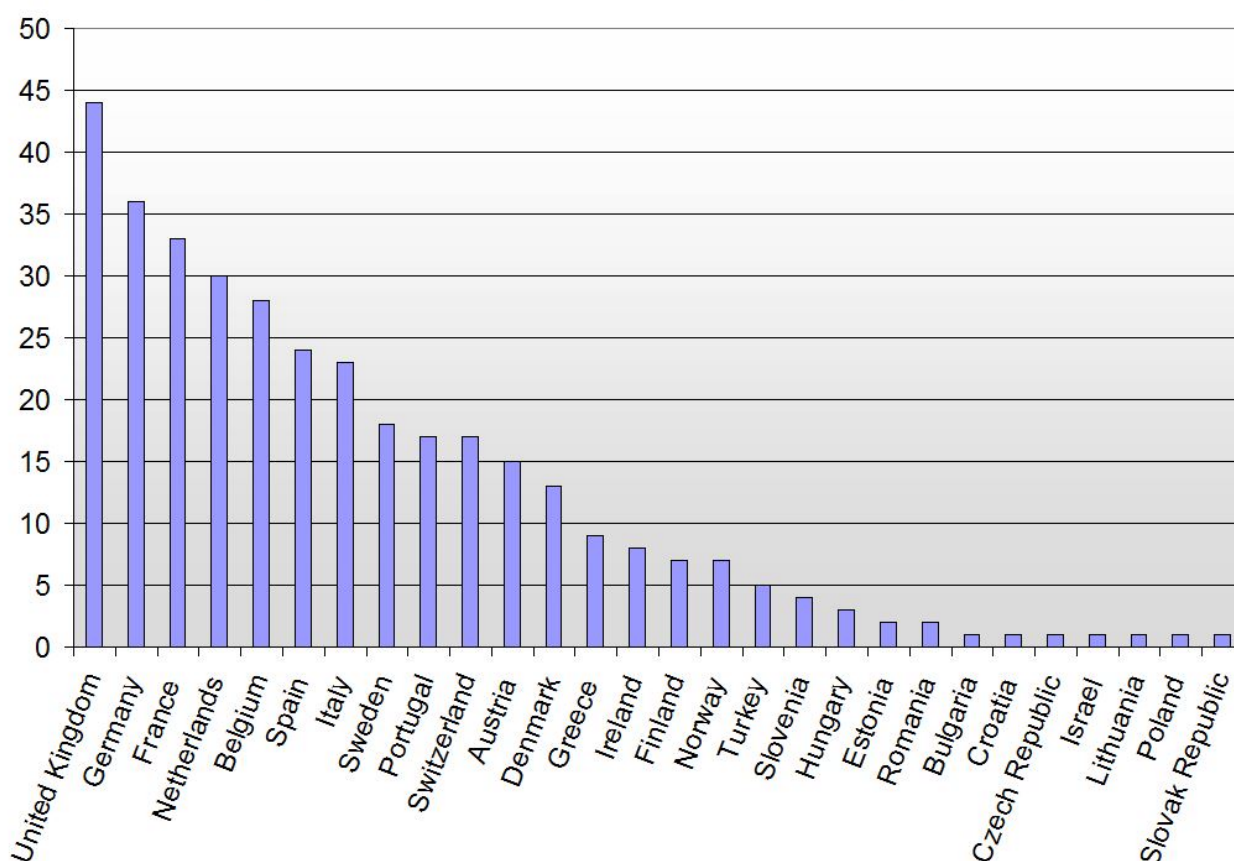
There is an appetite for participation in EU funded research, and the number of proposals involving Kenyan institutions are expected to continue to increase in future years.



European Coordinators included: Universiteit Gent, Belgium (3 projects); Vlaamse Instelling Voor Technologisch Onderzoek N.V., Belgium (3 projects); IIMC International Information Management Corporation Limited, Ireland (3 projects); Centre de Cooperation International en Recherche Agronomique pour le Developpement, France (2 projects); Association of Commonwealth Universities, United Kingdom (2 projects); Liverpool School of Tropical Medicine, United Kingdom (2 projects); and with **one project each**: energieautark Consulting Gmbh, Austria; Organisation for International dialogue and Conflict Management, Austria; Universitaet fuer Bodenkultur Wien, Austria; Antea Belgium N.V., Belgium; Prins Leopold Instituut voor Tropische Geneeskunde, Belgium; VIB, Belgium; Københavns Universitet, Denmark; Teknologisk Institut, Denmark; Suomen Ymparistokeskus, Finland; Teknologian Tutkimuskeskus (VTT), Finland; Bureau de Recherches Geologiques et Minieres, France; Centre National de la Recherche Scientifique, France; Institut de Recherche pour le Developpement, France; Institut National de la Recherche Agronomique, France; Sigma Consultants, France; Universite de Toulouse II - le Mirail, France; Deutsche Gesellschaft fur Internationale Zusammenarbeit (Giz) Gmbh, Germany; Leibniz Institut Für Meereswissenschaften An der Universität Kiel (Previously Institut fuer Meereskunde), Germany; Wirtschaft und Infrastruktur GMBH & Co Planungs Kg, Germany; Wuppertal Institut fur Klima, Umwelt, Energie GMBH., Germany; The Provost, Fellows, Foundation Scholars & the Other Members of Board of the College of the Holy & Undivided Trinity of Queen elizabeth Near Dublin, Ireland; Centro Euro-Mediterraneo sui Cambiamenti Climatici Scarl, Italy; Consiglio Nazionale delle Ricerche, Italy; Food and Agriculture Organisation of the United Nations Fao, Italy; Novartis Vaccines Institute for Global Health S.R.L., Italy; Universita Commerciale 'Luigi Bocconi', Italy; Academisch Ziekenhuis Leiden - Leids Universitair Medisch Centrum, Netherlands; Stichting Deltares, Netherlands; Stichting Dienst Landbouwkundig Onderzoek, Netherlands; Vereniging Voor Christelijk Hoger Onderwijs Wetenschappelijk Onderzoek en Patientenzorg, Netherlands; Wageningen University, Netherlands; Instituto de Investigacao Cientifica Tropical, Portugal; Servei de salut de les Illes Balears, Spain; Universitat Autonoma de Barcelona, Spain; Stiftelsen Who Collaborating Centre for International Drug Monitoring, Sweden; Hospices Cantonaux Chuv, Switzerland; Cranfield University, United Kingdom; Imperial College of Science, Technology and Medicine, United Kingdom; Infoterra Limited, United Kingdom; London School of Hygiene and Tropical Medicine, United Kingdom; Medicines and Healthcare Products Regulatory Agency, United Kingdom; Natural Environment Research Council, United Kingdom; The Chancellor, Masters and Scholars of the University of Oxford, United Kingdom; The Macaulay Land Use Research Institute, United Kingdom; The University of Edinburgh, United Kingdom; The University of Exeter, United Kingdom; The University of Liverpool, United Kingdom and University of Surrey, United Kingdom.



Kenya - Number of FP7 Projects with EU Participants by Country



The diagram above provides an overview of the number of FP7 proposals that involved partners from different European and Associated Countries with participants from Kenya.

Four hundred and seventeen (**417**) European and Associated Country organisations partnered with Kenyan organisations in successful FP7 projects. This provides a very significant network for future collaboration under Horizon 2020. The most prominent organisations that were involved in multiple projects included: Institut de Recherche pour le Developpement, France (9 projects); Stichting dienst Landbouwkundig Onderzoek, Netherlands (8 projects); Joint Research Centre- European Commission, Belgium (7 projects); Centre de Cooperation International en Recherche Agronomique pour le Developpement, France (7 projects); London School of Hygiene and Tropical Medicine, United Kingdom (7 projects); The Chancellor, Masters and Scholars of the University of Oxford, United Kingdom (6 projects); Københavns Universitet, Denmark (5 projects); Centre National de la Recherche Scientifique, France (5 projects); Schweizerisches Tropen- und Public Health-Institut, Switzerland (5 projects); Universiteit Gent, Belgium (4 projects); Vlaamse Instelling Voor Technologisch Onderzoek N.V., Belgium (4 projects); Potsdam Institut fuer Klimafolgenforschung, Germany (4 projects); IIMC International Information Management Corporation Limited, Ireland (4 projects); Consiglio Nazionale Delle Ricerche, Italy (4 projects); Food and Agriculture Organisation of the United Nations FAO, Italy (4 projects); Agencia Estatal Consejo Superior de Investigaciones Cientificas, Spain (4 projects) and The University of Liverpool, United Kingdom (4 projects). The full list of all European partner organisations is available in Annex 1 of this Report.

### 8.3.2 TACIT<sup>26</sup>: Tackling Aids and Tuberculosis through Communication and Information Technologies

**Target Countries:** Southern and Eastern Africa, pilots in Kenya, Zambia, Uganda and Namibia

**Main partner:** International HIV/Aids Alliance

**Funding:** 960k€ from EDF9 (@CP-ICT capacity-building programme) 2009-2011

### 8.3.3 Africa4All Parliamentary Initiative<sup>27</sup>

Through the IST-Africa Initiative, the Parliament of Kenya was included in the Africa4All Parliamentary Initiative, which was funded under the @CP-ICT Call.

**Target Countries:** Eastern and Southern Africa with pilots in Kenya, Tanzania, Uganda, Lesotho, Namibia

**Main partner:** Gov2u

**Partner in Kenya:** National Assembly of Kenya

**Funding:** 410k€ from EDF9 (@CP-ICT capacity-building programme) 2009-2011

### 8.3.4 Capacity-building programme and Community Development in Internet Governance and ICT Policy (ACP/EDF9)

A Programme focused on Capacity-building and Community Development in Internet Governance and ICT Policy<sup>28</sup> was funded under the ACP-ICT Call (ACP/EDF9). This project, which runs from 2009 – 2011 undertook online training courses on Internet Governance and ICT Strategy, provided training through workshops and policy immersion fellowships.

**African Target Countries:** Botswana, Burundi, Congo and Kenya

**Main partner:** Diplo Foundation

**Partner in Kenya:** The Multimedia University College of Kenya

**Funding:** 960k€ from EDF9 (@CP-ICT capacity-building programme) 2009-2011

### 8.3.5 Enhancing Energy Accessibility & Efficiency through Sustainable STI Support National Networks with a Regional Dimension in East Africa (ENRICH)

The overall aim of ENRICH project is to strengthen Science, Technology and Innovation (STI) co-operation in East African (EA) countries by promoting operational and effective management of research and innovation activities with a special focus on energy access and efficiency

**Partners in Kenya:** Ministry of Education Science and Technology, Moi University and African Virtual University

**Main Partner:** Alicante University of Spain

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<sup>26</sup> <http://www.aidsalliance.org/newsdetails.aspx?id=242>

<sup>27</sup> <http://www.africa4all-project.eu/>

<sup>28</sup> <http://www.diplomacy.edu/ACP/Programme/default.asp>

**Funding:** ACP-EU

### **8.3.6 IICD**

#### **8.3.6.1 *Promoting Quality Education through ICT***

The project aims at promoting quality education in 11 primary schools and village polytechnics in Kajiado County, in school administration and class management through ICT by 2015. It also focuses on improvement of management of TIVET institutions and the acquisition of pertinent skills for the labour market through ICT. The project also aims at improving the ICT infrastructure in primary schools to be used for school administration, class management as well as School Management Committee Management.

**Target Area:** Kajiado County, Kenya

**Main partners:** Connect4Change, Edukans, IICD (Netherlands), Dupoto (Kenya).

**Funding:** €170,848, Edukans Netherlands, 2011 - 2015

More information available at <http://projects.iicd.org/en/project/587/>

#### **8.3.6.2 *Integration of ICT in vocational courses***

The project focuses on integration of ICT in vocational training courses that are trained at youth polytechnics. The pilot phase focuses on Motor Vehicle Technology and Fashion Design and Garment making Technology and also include entrepreneurship skills, life skills and reproductive health topics. Nairobi's will deal with the technical capacity component, while the Ministry will provide the infrastructure and technical capacity specific the courses

**Target Country:** Kenya

**Main partners:** Connect4Change, Edukans, IICD (Netherlands), Nairobi's (Kenya).

**Funding:** €60,904, Edukans Netherlands, 2012 - 2015

More information available at <http://projects.iicd.org/en/project/402/>

## 9. KINGDOM OF LESOTHO

### 9.1 Introduction

The Kingdom of Lesotho is located in Southern Africa, an enclave of South Africa. Lesotho has an area of 30,355 km, with 10 administrative divisions (Berea, Butha-Buthe, Leribe, Mafeteng, Maseru, Mohale's Hoek, Mokhotlong, Qacha's Nek, Quthing, Thaba-Tseka). The population as at July 2013 was estimated to be 1.936 million<sup>29</sup> with a literacy rate of 89.6%. Sixty one percent of the population is between 15 and 64 years of age (median 23 years). Maseru, the capital city, has a population of 220,000 (2009 CIA World Factbook). The official languages are Sesotho and English.

Key sectors in Lesotho are agriculture, followed by industry and services. Lesotho produces about 90% of its own electrical power needs. Economic growth is dependant on manufacturing and services. Export partners include US, Belgium and Canada.

Lesotho has developed a good policy framework. The ICT Policy was approved and adopted as a working document in March 2005. The main driver of the ICT policy is the Ministry of Communications, Science and Technology. The Universal Access Fund was established in 2009. The Science Technology and Innovation Policy was reviewed in 2010 and proposed that an Innovation Fund is established to support research and research capacity development. The Communications Act 2012 became operational in April 2012. The National Strategic Development Plan for 2013 – 2017 aims to develop an ICT-based Information Society.

In terms of ICT Infrastructure, Lesotho is a participant in the Eastern Africa Submarine Cable System (EASSy) through a Special Purpose Vehicle (SPV), the West Indian Ocean Cable Company (WIOCC). The cable went live in July 2010 and places Lesotho at a position to have direct access to high-speed bandwidth for broadband services, which can support an increase in GDP, productivity, and employment growth. While this development supports the transformation into an information economy, broadband remains expensive and limited to a small number of people. As part of the Universal Access Fund, the Lesotho Communications Authority (LCA) is supporting the establishment of the Internet Exchange Point in Lesotho (LIXP).

There are ICT initiatives ongoing at national level in the areas of eLearning, eHealth and eGovernment. More information in relation to these activities are outlined in a complementary IST-



<sup>29</sup> CIA Factbook

Africa Study entitled “Guide to ICT Initiatives and Research Capacity in IST-Africa Partner Countries”, January 2014, ISBN: 978-1-905824-41-0.

There are one public university (National University of Lesotho), Lerotholi Polytechnic, Lesotho College of Education, National Health Training Centre and a private university (Limkokwing University of Creative Technology).

## **9.2 Bilateral Cooperation**

EU bilateral cooperation with Lesotho is focused on supporting poverty reduction through economic growth and enhanced provision of basic services. Under EDF 10 (2008 – 2013), assistance was focus on Human Development and Infrastructure.

Lesotho has active cooperation agreements with Ireland, Germany, Italy and the United Kingdom. However, there are no specific ICT-related programmes currently funded by EU Member States or the European Delegation in Lesotho.

The activities of the donors is coordinated through the European Development Agencies in Lesotho (EDAL) with participation of Ireland, UK and Germany and Development Partners Consultative Form (DPCF) including UN agencies, World Bank and countries assisting Lesotho (USA, China, Libya) and the Donor Round Table. GIZ cooperates with the World Bank on Fiscal Decentralisation and Capacity Building and with EU Member States on Capacity building support to decentralisation.

### **9.2.1 European Union**

During EDF 10 (2007 – 2013), Lesotho received €139.3 million in bilateral funding from the EU. A large proportion of this aid was provided to support the National Development Strategy and the Water and Sanitation sector strategy of Lesotho. In addition, the EU provided support to institutions in the justice sector for decentralisation and non-state actors. It also had a programme with UNICEF to provide cash grants and social support for orphans and vulnerable children to mitigate the impact of the HIV/AIDS crisis that is undermining Lesotho's development efforts.

The European Union also allocated €6 million toward agriculture, as part of the €1 billion European Union Food Facility to respond to increased food insecurity around the world. Four million Euros was channelled through FAO to swiftly stave off the food crisis and at the same time make a long-term impact on Lesotho's food situation. FAO works closely with Ministry of Agriculture and Food Security (MAFS), while keeping its efforts in line with ongoing government programs.

### **9.2.2 Germany**

Germany is focused on Governance, agrarian reform and rural infrastructure through strengthening administration and governance at a district level, policy advice and promotion of local economic development including employment. Technical support is provided through DED and capacity building through GIZ.

Germany's development cooperation focuses on providing aid in the priority area of decentralized rural development, which was agreed upon in 2003. Funding has been made available for the main element of development cooperation until February 2014. Its aim is to establish efficient decentralized institutions, including service providers at district level but in particular local self-government authorities, with a view to improving services, especially for the poor, and strengthening public political participation. This is helping to implement the government of Lesotho's national development strategy, complementing the projects being conducted by other European donors and the EU, with which it is coordinated.

German development agency GIZ and the African Regional Agricultural Association (AFRACA) have also assisted the Central Bank of Lesotho strengthen its micro-finance operations by reviewing policy and legal framework.

The Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) has an office in Lesotho.

### 9.2.3 Ireland

Irish Aid's Programme is focused on Health (HIV/AIDS), Education (resources in primary schools and curriculum development), Water/Sanitation and Governance (Government Public Financial Management Programme, Parliamentary Reform Committee and Improvement of service delivery).

Lesotho is one of Ireland's nine priority countries for long-term strategic assistance. Ireland has had a development programme through Irish Aid in Lesotho since 1975, making it Ireland's oldest development partnership.

Development Cooperation Ireland (DCI) signed an €85 million agreement with the Government of Lesotho through which the Irish agency will help finance projects in education, enterprise development, governance, health, rural infrastructure, water and sanitation and, public sector improvement and reform.

Ireland and Cyprus have signed a partnership agreement to improve access to education in Lesotho. The cooperation agreement comprises of three phases

- Phase One (2007-2008)- €351,000: Construction of a dormitory, dining and kitchen areas and equipment which enabled 64 girls to attend school at Sekonyela High is a girl's boarding school in Mokhotlong district in the mountainous eastern part of Lesotho.
- Phase Two (2009-2010) - €540,000: The Lowlands Primary School Project, funded by Cyprus and managed by Ireland rebuilt four schools in 2010, which had been destroyed by high winds. A total of 12 classrooms, four administration blocks, one kitchen and toilet facilities were constructed that will benefit more than 600 students.
- Phase Three- €440,000: The construction of facilities at the Lerotholi Polytechnic, which will increase enrolment and tackle the skills shortage in the areas of science, mathematics and engineering in Lesotho. 600 additional Polytechnic students will be accommodated and will benefit from this initiative, which was completed in 2011.



#### **9.2.4 Italy**

Following the first meeting between OCCAM and the Ministry of Communication, Science and Technology of Lesotho held in May 2008 in Geneva on the occasion of the XI Session of the UN Commission of Science and Technology for Development, the subsequent exchange of letters and the fact finding mission in Lesotho that took place on June 26-30, 2009, it was agreed to create an ICT Village in the community of Mahobong (District of Leribe) in 3 areas of actions, namely food security, health and education.

The aims of the project are:

- a) Improvement of health conditions of pregnant women, foetus and newborns in Mahobong area. OCCAM in partnership with the Hospital of Lodi and the scientific society WINFOCUS has realized a pilot project based on the use of the ultrasound. Due to its basic functions the ultrasound can be used by the medical staff and also by the nurses and midwives.
- b) Increase in the agricultural production of the community in order to make it independent from the point of view of food security and to get a surplus that might be sold on the market.

Training on the use of ultra sound machine has been done for the nurses in Leribe. This has also been extended to The Faculty of Health at the National University of Lesotho and also St. Josephs School of nursing based next to the university at Roma.

#### **9.2.5 Spain**

The assistance Lesotho receives from Spain through the European Union (EU) has enabled the country to make visible strides on infrastructure development particularly construction of roads.

#### **9.2.6 Denmark**

Lesotho and Denmark have worked together on significant development projects in Lesotho including the Abattoir, Footbridges, Rural Clinics, Assistance to the Cooperative College, Good governance, and Meteorology.

#### **9.2.7 Sweden**

Lesotho and Sweden have successfully collaborated on a number of development and trade initiatives both at the bilateral and multilateral levels. Some of the notable examples of this collaboration include the development assistance offered by the Government of Sweden through the Swedish International Development Agency (SIDA) and the involvement of Swedish Construction and Engineering Companies in the Lesotho Highlands Water Project.

#### **9.2.8 United Kingdom**

The United Kingdom is focused on Governance (Government Public Financial Management Programme, Reform of the Justice sector, establishment of Revenue Authority), Health

(establishment of National Aids Commission to work with UNAIDS) and Food Security. DFID works closely with Irish Aid and GIZ.

To date ICT has not been highlighted as a national priority for donor support.

### 9.3 Other Funding Mechanisms

#### 9.3.1 Framework Programme 7

**Lesotho** secured participation in 4 ICT FP7 projects in partnership between Ministry of Communications, Science and Technology and IIMC International Information Management Corporation Limited (Ireland).

The Ministry of Communications, Science and Technology, Lesotho is a beneficiary under IST-Africa<sup>30</sup> Initiative 2008 – 2009, IST-Africa Initiative 2010 – 2011, IST-Africa Initiative 2012 – 2013 and IST-Africa Initiative 2014 – 2015.

Participation in IST-Africa facilitated MCST-L to host an IST-Africa FP7 Training Workshop in Maseru in September 2009, focused on FP7-ICT-Call 5, FP7-Infrastructures-2010-2 and FP7-AFRICA-2010 Calls for Proposals and a Stakeholder meeting focused on Horizon 2020 in November 2013. A number of proposals were submitted under FP7-Africa-2010 Call but unfortunately they were not short listed for funding. As part of its IST-Africa activities MCST-L circulates updates on open Calls for Proposals as they are available, encourages the research community to explore these opportunities for international research projects, promotes the research centres during international meetings and has commenced an initial mapping of research expertise. MCST-L hosted a workshop on Living Labs in Lesotho in November 2012. MCST-L is working with the universities to gradually encourage the institutions to gradually transform from primarily teaching institutions to research and innovation engines to drive socio-economic development. The Ministry and IST-Africa continue to encourage the research community to explore opportunities for international research projects and build links to secure direct research funding.

#### 9.3.2 Africa4All Parliamentary Initiative<sup>31</sup>

Through the IST-Africa Initiative, the Parliament of Lesotho was a beneficiary in the Africa4All Parliamentary Initiative, which was funded under the @CP-ICT Call. This was a very important milestone for Lesotho and the Parliament benefited for this participation in terms of introducing new working methods to the MPs and support teams leveraging ICT tools.

**Target Countries:** Eastern and Southern Africa with pilots in Kenya, Tanzania, Uganda, Lesotho, Namibia

**Main partner:** Gov2u

**Partner in Lesotho:** National Assembly of Lesotho

**Funding:** 410k€ from EDF9 (@CP-ICT capacity-building programme) 2009-2011

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<sup>30</sup> <http://www.ist-africa.org>

<sup>31</sup> <http://www.africa4all-project.eu/>

## 10. MALAWI

### 10.1 Introduction

Malawi is situated in the southern part of the East African Rift Valley, located between Mozambique in the east, Tanzania in the north and Zambia in the west. It has a surface area of over 118,000 square km, which consists of 28 administrative districts (Balaka, Blantyre, Chikwawa, Chiradzulu, Chitipa, Dedza, Dowa, Karonga, Kasungu, Likoma, Lilongwe, Machinga, Mangochi, Mchinji, Mulanje, Mwanza, Mzimba, Neno, Ntcheu, Nkhata Bay, Nkhatakota, Nsanje, Ntchisi, Phalombe, Rumphu, Salima, Thyolo, Zomba). The population is estimated to be in the region of 16.7 million (July 2013 CIA World FactBook) with an average yearly growth of around 3.2 % and a GDP per Capita of 900 USD. Fifty-two percent of the population are between 15 - 64 years of age, with a literacy rate of 74.8%. The economy is heavily based on agriculture, with a largely rural population of 80% mainly engaged in small holder farming. Lilongwe, the capital city, has a population of 821,000 (2009) and Blantyre has a population of 856,000 (2009 CIA World Factbook). The official languages are English and Chichewa, with other local languages also in use.



Malawi is among the world's least developed countries. The Government depends heavily on outside aid to meet development needs and faces challenges in building and expanding the economy, improving education, health care, environmental protection, and becoming financially independent. The foreign policy is pro-Western and includes positive diplomatic relations with most countries and participation in several international organisations. Natural resources include limestone, arable land, hydropower, coal and bauxite.

**Malawi's** Vision 2020 recognises ICT as a priority sector with the potential of turning around the economy. The ICT Policy (2005) was revised to include Universal Access Issues and re-published in September 2013. A National ICT Master Plan for 2014 – 2031 is currently under development with the aim to be operationalised in July 2014.

In terms of ICT Infrastructure there is a submarine and terrestrial broadband network, a fibre cable infrastructure connecting Malawi and Mozambique, an expanded fibre infrastructure inside the country and a high level of mobile penetration. The Malawi Internet eXchange point became operational on 04 December 2008 and was funded through start up equipment assistance from KTH, Sweden through the College of Medicine Project. Tele centres were set up using ITU funding through MACRA and MPC. The last mile connectivity project is part of the Regional Communications Infrastructure Project (RCIP) and the University Access project is supported by the World Bank. To encourage the use of ICT, the Government of Malawi has waived tax on the import of computers and accessories.

ICT Initiatives are currently ongoing at national level in the area of eGovernment (eGovernment Programme, Electronic Legislation), Education and eLearning (Computers for African Schools Malawi, Pan African eNetwork), eInfrastructure (Regional Communication Infrastructure project, Malawi Sustainable Development Network Programme, MACRA Infrastructures projects, Malawi Research and Education Network, ESCOM Fibre Optic project), Digital Repositories (Malawi Library and Information Consortium, National Digital Repository), eHealth and eBanking. More information in relation to these activities are outlined in a complementary IST-Africa Study entitled “Guide to ICT Initiatives and Research Capacity in IST-Africa Partner Countries”, January 2014, ISBN: 978-1-905824-41-0.

There are thirteen institutions of Higher Education: 2 publicly funded universities, 7 publicly funded Polytechnics and specialised Colleges and 4 privately funded Colleges.

## **10.2 Bilateral Cooperation**

Donors in Malawi are increasingly implementing the Paris Declaration Principles in their development assistance. Malawi's main donors are DFID (UK), EC, World Bank, African Development Bank, Norway, Germany, USAID, and China, which established diplomatic ties with Malawi in 2007. These account for over 90 percent of Malawi's development assistance. Other donors include the traditional UN institutions (notably UNDP, UNICEF, WHO, and WFP), Global Fund, JICA, ICEIDA, and Ireland. The fundamental principles of Malawi's budget support cooperation are based on commitment to poverty reduction, good governance, and sound economic management.

The EU Delegation's cooperation with the Government of Malawi is governed by the Cotonou Agreement. The agreement is focused on the common objective of reducing poverty, achieving sustainable development and gradually integrating the ACP countries into the world economy. Bilateral cooperation between the EU and the Government of Malawi is based on the Malawi - EU Country Strategy Paper and the National Indicative Programme for the period 2008–2013. The EU is committed to supporting initiatives aimed at achieving international commitments, such as the United Nations Millennium development Goals. EU assistance provided under the 10th European Development Fund (EDF) focused on two sectors: food security and agriculture in the context of national development, and regional interconnection with a focus on road infrastructure.

Bilateral support for ICT related activities is primarily from Norway, UK, Scotland, China, India and Australia. The World Bank is providing support towards the Regional Communications Infrastructure Program and the Infrastructure Services Project.

### **10.2.1 Norway**

Norway and Malawi have engaged in long-standing development cooperation as reflected in the Memorandum of Understanding concerning development co-operation signed in April 2001. The Government of Norway is currently providing training to ICT officers. Norway allocated a minimum of

NOK 200,000,000 per year for support to the government sector in Malawi for the period 2008 - 2012.

### **10.2.2 United Kingdom**

With funding from the Institute of Development Studies (IDS) of the UK, the Malawi Library and Information Consortium (MALICO) is running a one year National Information Repository project from October 2011 with a budget of US\$37,992.40. The main objective of the project was to set up a national digital repository of research from Malawi, collecting research outputs from Malawian institutions and building their capacities in global knowledge sharing. It is envisaged that the increased accessibility and visibility of Malawian research outputs will increase their impact on policy and bring more transparency to research institutions. IDS funding finished in 2013 and MALICO and the National Library have taken the responsibility for funding this work going forward.

A second aim is to learn from and utilize the related work of the Malawi Development Exchange (MDE) and NCST, ensuring close collaboration, identifying opportunities for further collaboration, identifying opportunities for further collaboration and avoiding duplication of effort. MDE focuses on development information from Malawi and on the people who produce it. It offers a collection of online documents, a daily selection of news and commentary, discussion items, occasional feature articles, profiles of Malawian development practitioners and a search of Malawian websites.

### **10.2.3 Scotland**

Malawi and Scotland agreed that Scotland should assist Malawi Government to develop the Malawi Government website. Training was done in Scotland for two ICT officers that were responsible for the website.

### **10.2.4 China**

The Malawi government embarked on an eGovernment programme in 2013, which will cost US \$135 million over a four to five year period, with support from the Government of China. The projects include establishment of a national data centre, a Government Wide Area Network that will have a one integrated government network connecting all government offices in the country up to the district level, provision of e-services such as e-immigration, e-national registration and identification system, sharable geographic information system, electronic document management system, e-Learning platform for the public sector, enhanced electronic communication systems, electronic marketing systems and electronic security systems. Other activities include e-training for the civil service and an immigration system. The eGovernment project will help to provide easy access and sharing of information; easy management of systems and applications i.e. government website, e-mail services and easy management of Government computers in terms of security and virus protection. Additionally Government officials are also sent to China for short-term technical courses every year.

### **10.2.5 India**

Since independence, there has been bilateral cooperation with India in a number of areas such as agriculture, trade and investment, capacity building and more importantly technology. Because of increased cooperation, Malawi opened a resident Mission in New Delhi in February 2007.

Over the years, India has provided its assistance to Malawi mainly through the Export-Import Bank of India (EXIM Bank), Indian Technical and Special Economic Cooperation (ITEC) and the Commonwealth African Assistance Plan. Under ITEC, India offers scholarships and short-term training for transfer of technology. These initiatives continue to assist in the development of Malawi within the framework of the Malawi Growth and Development Strategy (MGDS).

India is also supporting a five year PAN African e-network Project whereby the University of Malawi (Chancellor College in Zomb), a hospital in Lilongwe and the State House has been twinned with its counterpart in India through the e-VVIP connectivity. Through this initiative, Malawi has benefited in terms of eHealth, eLearning and eGovernance. The initial five years is now coming to a close and Chancellor College intends to continue to provide eLearning based on the experience and lessons learnt from the Pan African eNetwork. As part of the plan it is envisaged that eLearning centre would be set up in regional cities in Malawi.

### **10.2.6 Australia**

The Global Future Charitable Trust of Australia is sponsoring a National Library Services Project that will document and preserve Malawian Folktales through UNESCO offices in the country. The project is concerned with collecting folk- tales for education purposes. After the collection, the folktales will be put on various media devices such as CD's, DVDS as well as production of radio and television educational programmes.

An online annotated bibliographic index consisting of links to primary sources of the folk tales will be available in the public domain as well as scholarly discussions on these subjects will be established. The project has a budget of US\$187,000. Sony of Japan has donated Video and still Cameras for the project.

## **10.3 Other Funding Mechanisms**

### **10.3.1 World Bank**

The World Bank has been instrumental in supporting several ICT projects in Malawi. Firstly, there is the "Regional Communications Infrastructure Program" which is a Government of Malawi led intervention in the ICT sector to support policy and legislative reforms and provide affordable Internet capacity to the nation. The project aims at facilitating the provision of a wet portion (submarine cable) solution to dry portion (overland) connectivity to eligible countries. It is managed by the Privatisation Commission, in partnership with MACRA and the eGovernment Department.



Under the Enabling environment activity, the project intends to review the Communication Act of 1998; build capacity amongst its agencies especially those involved in the policy and regulatory supervision of the ICT sector.

Another component of the Project is focused on Connectivity, which will provide ICT equipment, Internet and free audio editing to selected public institutions in the country. By September 2013, the Last Mile Connectivity Initiative, which is the third phase of the project was implemented. The initiative saw 145 sites, which includes Teachers Development Centres, Teachers Training Colleges, District and Regional information offices being connected against a target of 100 sites. The second phase of the project saw the provision of Internet connectivity, terminal equipment, ICT equipment to all 30 District and Regional Information Offices in the country. This wound up in November 2013.

For the 145 connections to enjoy full Internet provisions through improved quality, availability and affordability of Internet capacity within Malawi for both public and private users, a consultant (SimbaNET) was identified to carry out this aspect. This will be realised in 2014 by the commissioning of a Virtual Landing Point (VLP) in Lilongwe which will be connected to two redundant routes, one through the northern corridor to Tanzania and another one through Mchinji boarder to Zambia.

Monitoring and evaluation will be undertaken during 2014 to determine if the third phase has started bearing fruits in the targeted institutions.

The World Bank through the Malawi Rural Finance is funding a project that complements and extends the existing portfolio of projects focused on agricultural development in Malawi to strengthen rural financial markets and improve the livelihoods of rural households. This project with a budget of US\$ 224,220 aims to demonstrate how biometric technology can help improve the functioning of rural credit markets in Malawi by providing a way to uniquely identify borrowers. In particular, the project looks into whether fingerprinting of borrowers coupled with the use of fingerprint-based credit history databases can help lenders withhold credit from past defaulters, and expand credit to borrowers who have proven reliable, as well as increase borrowers' incentives to repay their loan.

The World Bank is funding the Infrastructure Services Project which will provide electricity; roads; piped water and sanitation as well as ICT communication to open up the rural areas. The ICT component includes 10 telecentres and 1274 telephones in the first phase.

Furthermore, the World Bank has collaborated with various donors in improving public sector management; for example: Implementation of an Integrated Financial Management Information System in collaboration with USAID and UNDP; Institutional strengthening and capacity development of the Central Internal Audit Unit in collaboration with the European Commission, including provision of training, equipment, software and work environment facilities.

### 10.3.2 UNCP

UNDP through its Public Reform Department provided funding towards the development of the Master ICT Plan. Its objective is to operationalise the approved National ICT Policy in order to realise the vision of making Malawi a knowledge based economy by 2031. The plan for 2014 to 2031 is split into four (4) separate plans and incorporates both remedial and proactive interventions to create opportunities for Malawian citizens in order to create wealth and enhance people's quality of lives. The recommendations focus on the need to transform the society on four dimensions with ICT: capacity and knowledge community, businesses, infrastructure and the Government

### 10.3.3 Africa Connect, European Commission

Through the Malawi Research and Educational Network (MAREN), Malawi is a beneficiary of a major AfricaConnect four-year project that started in May 2010.

The AfricaConnect project aims to establish a high-capacity Internet network for research and education in Southern and Eastern Africa to provide the region with a gateway to global research collaboration. The project consists of two phases, the first of which will be to consult, plan and procure the network and is expected to last up to twelve months. It has a budget of € 14,750,000, 80% from European Commission and 20% from the 13 African National Research and Education Networks. The Project is coordinated by DANTE Ltd, the manager of GEANT, the pan European research and education network. The Malawi Government has made the initial deposit and intends to pay the balance of its contribution by July 2013 to facilitate Malawi to participate in Phase II.

### 10.3.4 Framework Programme 7

The National Commission for Science and Technology (NCST) is a beneficiary under the IST-Africa Initiative since 2011.

Participation in IST-Africa facilitated NCST to host an IST-Africa FP7 Training Workshop in Lilongwe focused on FP7-ICT-Call 8 - 9 Calls for Proposals, a Stakeholder Meeting focused on Horizon 2020 in January 2014 and undertake a consultation with the research community to map expertise. As part of its ongoing IST-Africa activities NCST circulates updates on open Calls for Proposals as they are available, encourages the research community to explore these opportunities for international research projects, promotes the research centres during international meetings and has undertaken an initial mapping of research capacity. NCST is raising awareness of the potential of Living Labs in Malawi.

Up to November 2013 Malawi has been successful in securing participation in **20** FP7 projects in the following thematic areas: ICT (2 projects), INCO (1 project), Infrastructure (5 projects), Environment (2 projects), Health (8 projects), KBBE (1 project) and Science in Society (1 project). Up to September 2013, Malawi organisations had received **€3.06 million** in funding under FP7.

The following projects are now completed:

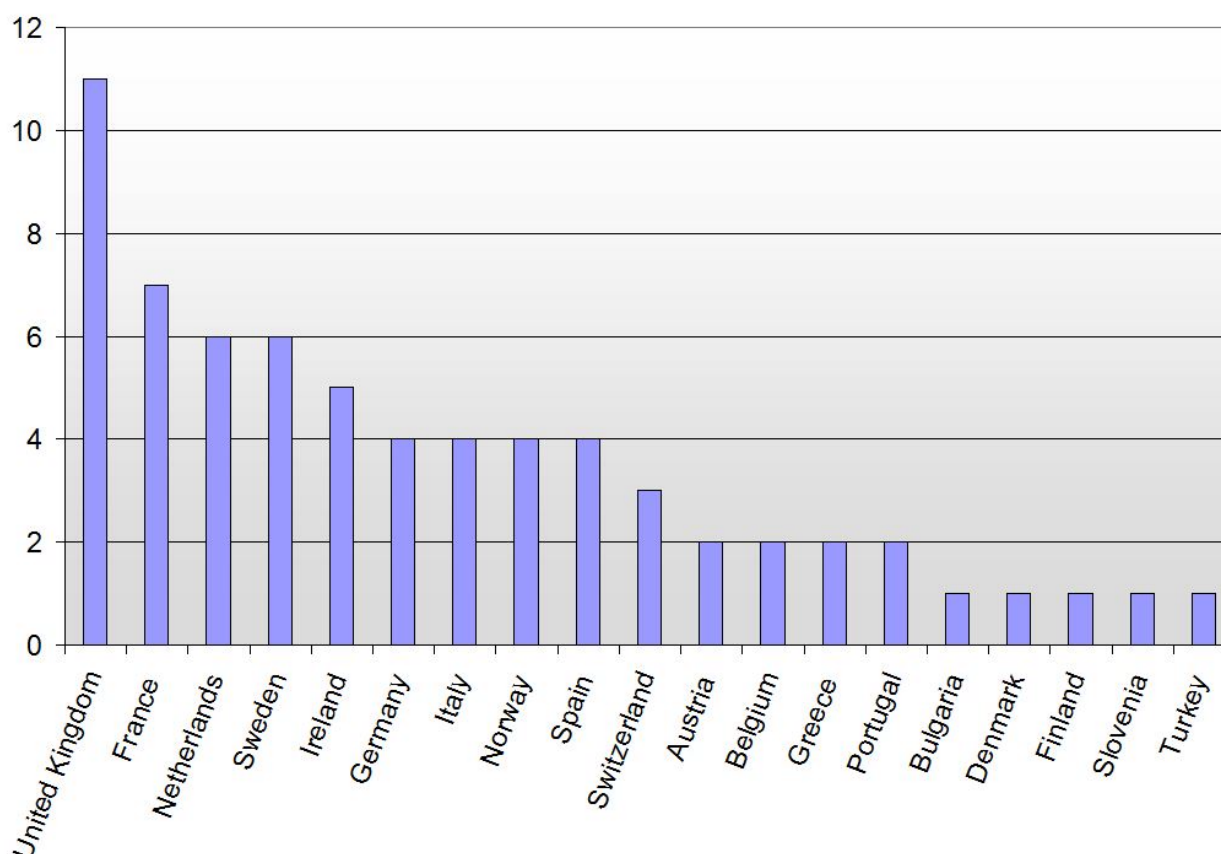
- **Environment: QWECI** 2010 – 2013 (University of Malawi) Collaborative project;

- **Health: EQUITABLE** 2009 – 2013 (University of Malawi) Collaborative project;
- **KBBE: SARNISSA** 2008 – 2011 (University of Malawi) Coordination and support action;
- **Infrastructure: GLOBAL** 2008 - 2010, **ERINA4AFRICA** 2009 - 2011, **CHAIN** 2010 – 2012 (Ubuntunet Alliance for Research and Education Networking) Coordination and Support Actions

Fourteen projects are still running:

- **ICT: IST-Africa Initiative** 2012 - 2013 (National Commission for Science and Technology) Support Action; **IST-Africa Initiative** 2014 - 2015 (National Commission for Science and Technology) Support Action;
- **INCO: CAAST-NET PLUS** 2013 – 2016 (National Commission for Science and Technology) Coordination and support action;
- **Infrastructure: CHAIN-REDS** 2012 - 2015, **EI4AFRICA** 2012 - 2014 (Ubuntunet Alliance for Research and Education Networking) Coordination and Support Actions
- **Environment: CLIMAFRICA** 2010 – 2014 (University of Malawi) Small/medium-scale focused research project for specific cooperation actions dedicated to international cooperation partner countries (SICA)
- **Health: ARCADE HSSR** 2011 – 2015 (University of Malawi) Coordination and support action, **AVECNET** 2011 – 2016 (The Registered Trustees of the Research for Equity and Community Health Trust) Collaborative project, **COST-AFRICA** 2011 – 2016 (University of Malawi) Collaborative project, **ETATMBA** 2011 – 2014 (Malawi Ministry of Health, University of Malawi) Collaborative project, **MOMI** 2011 – 2016 (The Registered Trustees of the Research for Equity and Community Health Trust) Collaborative project, **REACHOUT** 2013 – 2018 (The Registered Trustees of the Research for Equity and Community Health Trust) SICA, **SUPPORTING LIFE** 2013 – 2017 (Mzuzu University, the Registered Trustees of the Ungweru) Small or medium-scale focused research project;
- **Science in Society: EJOLT** 2011 – 2015 (Citizens for Justice) Coordination and support action;

Malawi - Number of FP7 Projects with EU Participants by Country



The diagram above provides an overview of the number of FP7 proposals that involved partners from different European and Associated Countries with participants from Malawi.

European coordinators included: IIMC International Information Management Corporation Limited, Ireland (2 projects); Liverpool School of Tropical Medicine, United Kingdom (2 projects); and with **one project each**: Universiteit Gent, Belgium; Sigma Orionis SA, France; Royal College of Surgeons in Ireland, Ireland; The Provost Fellows & Scholars of the College of the Holy and Undivided Trinity of Queen Elizabeth Near Dublin, Ireland; University College Cork, National University of Ireland, Cork, Ireland; Centro Euro-Mediterraneo sui Cambiamenti Climatici Scarl, Italy; Universitat Autònoma de Barcelona, Spain; Karolinska Institutet, Sweden; Association of Commonwealth Universities, United Kingdom; The University of Liverpool, United Kingdom; The University of Stirling, United Kingdom and The University of Warwick, United Kingdom.

More than seventy six (**76**) European and Associated Country organisations partnered with Malawi organisations in successful FP7 projects. This provides a significant network for future collaboration under Horizon 2020. The most prominent organisations that were involved in multiple projects included: Karolinska Institutet, Sweden (3 projects); Lunds Universitet, Sweden (3 projects); Centre de Cooperation International en Recherche Agronomique pour le Developpement, France (2 projects); IIMC International Information Management Corporation Limited, Ireland (2 projects) and Liverpool School of Tropical Medicine, United Kingdom (2 projects). The full list of all European partner organisations is available in Annex 1 of this Report.

The National Commission for Science and Technology as part of its activities under the IST-Africa Initiative is actively encouraging national stakeholders to continue building on the success to date.

## 11. MAURITIUS

### 11.1 Introduction

Mauritius is situated in the South West Indian Ocean, slightly over the tropic of Capricorn, in latitude 20° south and longitude 57° east of Greenwich. It is 2,000 km off the east coast of Africa and some 855 km east of Madagascar. An island of volcanic origin with an area of 1,864 km<sup>2</sup>, it is almost entirely surrounded by coral reefs. There are nine administrative districts and three dependencies\*; Agalega Islands\*, Black River, Cargados Carajos Shoals\*, Flacq, Grand Port, Moka, Pamplemousses, Plaines Wilhems, Port Louis, Riviere du Rempart, Rodrigues\* and Savanne.

The population is estimated at 1.3 million inhabitants in 2013 with a literacy rate of 89% (Statistics Mauritius 2013).

In 2012, nearly seventy percent of the total population was between 15 and 64 years of age. Port Louis, the capital, has a population of 128,000 (Statistics Mauritius 2013). The languages are Creole, Bhojpuri, French and English.

In just four decades, Mauritius has grown from an isolated mono-crop dependent country into a services-led economy enjoying sustained growth. The Mauritian economy rests on five pillars, namely sugar, tourism, textile, financial services and ICT. Although the tourism and the financial sectors are well anchored in its traditional economic setup, the ICT sector has recently been propelled into a major role as the third pillar of the Mauritian economy.

The Government commenced a ten-year reform programme in 2006 estimated to cost €4 billion to transition Mauritius from a trade dependent economy to a global competitive economy. A national ICT skilling programme was launched in 2006 and the National Strategic Plan was enacted by the Ministry of Information Technology and Telecommunications in September 2007 outlining the country's vision to realise Mauritius becoming a regional hub for ICT and Information-based Economy.

ICT's contribution to the nation's GDP stood at 6.4 percent in 2013, with a turnover of US\$1 billion; the sector employs some 18,000 people, which represents around 4 to 5 percent of the total workforce. The country has a robust modern telecommunications infrastructure (connected to SAFE, LION, and LION 2) at highly competitive rates (ranking 19<sup>th</sup> over 144 countries in terms of Affordability in the Networked Readiness Index 2013).

With regards to international rankings, Mauritius has a business-friendly environment and ranks 10<sup>th</sup> in the World Bank Doing Business Survey 2014 and continued to occupy the top spot in Africa. A low tax jurisdiction with investment opportunities in several areas, the country has of late attracted increasing amounts of FDI. Mauritius also held on to its No. 1 spot within the Ibrahim Index of





African Governance. The country enjoys a growing reputation as one of the world's top 30 outsourcing destinations.

The curriculum in secondary schools places a significant emphasis on science, mathematics and ICT to foster the skills required to develop the country into a knowledge-based economy and a regional Centre of Excellence. Re-training programmes are in place for those who traditionally worked in the manufacturing and the Government has actively encouraged foreign and Mauritian ICT professions from the Diaspora to participate in the development of the ICT skills in the country.

In terms of ICT infrastructure, Mauritius is linked to the South Africa Far East (SAFE) submarine cable and the LION2 submarine cable. The National Internet Exchange Point (NIXP) is hosted at the Government Online Centre.

ICT Initiatives are currently ongoing at national level in the areas of Education (Universal ICT Education Programme, Education through ICT, ICT Skills Development Programme), Digital Divide (Community Empowerment Programme, Public Internet Access Points, Cyber Caravan Project, Community Web Portal), eGovernment (Government Online Services and eServices, Mauritius National Identify Card, Public Key Infrastructure, eJudiciary Programme, Crime Occurrence Tracking System, ePayment Project, eHealth, ePrison, National ICT Strategic Plan, eGovernment Strategy Report), Cyber Security (National Computer Emergency Response Team, Critical Information Infrastructure Framework, National Cyber Security Strategy), Entrepreneurship (NCB ICT Incubator Centre) and Green IT (National Green IT Policy, eWaste Policy). More information in relation to these activities are outlined in a complementary IST-Africa Study entitled "Guide to ICT Initiatives and Research Capacity in IST-Africa Partner Countries", January 2014, ISBN: 978-1-905824-41-0.

There are five public universities, three private universities and 15 private institutions of Higher Education. There are approximately 45 ICT related research papers and postgraduate theses produced each year.

## **11.2 Bilateral Cooperation**

France and the United Kingdom have active cooperation agreements with Mauritius. General budget support for the economic reform of the Government of Mauritius is provided by the World Bank, the Agence Française de Développement (AFD), African Development Bank and the EC (EDF 10).

India is contributing funding to develop the Cyber City and IT Education projects in Mauritius.

During 2013 the EU Delegation in Mauritius has provided funding for National Computer Board to run events and training related to raising awareness and providing certification in relation to Green ICT, which is a priority area for Mauritius.

## 11.3 Other Funding Mechanisms

### 11.3.1 Framework Programme 7

The National Computer Board is a beneficiary under the IST-Africa Initiative<sup>32</sup> since 2009.

Participation in IST-Africa facilitated NCB to host an IST-Africa FP7 Training Workshop in Port Louis focused on FP7-AFRICA-2010 and FP7-ICT-Call 6 Calls for Proposals in 2009. NCB funded an additional IST-Africa FP7 Training Workshop in Port Louis focused on FP7-ICT-Call 10 and Call 11 and an IST-Africa Living Lab Workshop in November 2012. NCB hosted a Stakeholder meeting focused on Horizon 2020 in November 2013. As part of its ongoing IST-Africa activities NCB has undertake a consultation with the research community to map expertise, circulates updates on open Calls for Proposals as they are available, encourages the research community to explore these opportunities for international research projects, promotes the research centres during international meetings and has undertaken an initial mapping of research capacity. NCB undertook a survey of Living Labs active and emerging in Mauritius and is raising awareness of the potential of Living Labs in Mauritius.

Up to November 2013 Mauritius has secured participation in **six** projects under FP7: ICT (3 projects), Infrastructure (2 projects) and Health (1 project).

As at 31 December 2013, the following projects are now completed:

- **ICT: IST-AFRICA Initiative** 2008 – 2010 (National Computer Board) Support Action and
- **Infrastructure: 6DEPLOY** 2008 – 2010 (African Network Information Centre (Afrinic) Ltd) Coordination and support action and **6DEPLOY-2**<sup>33</sup> 2010 – 2013 (AFRINIC) Coordination and support action.

Three FP7 projects are still running:

- **ICT: IST-Africa Initiative** 2011 - 2013 (National Computer Board) Support Action, **IST-Africa Initiative** 2014 - 2015 (National Computer Board) Support Action, and
- **Health: EPI-MIGRANT** 2011 – 2014 (University of Mauritius) Collaborative project.

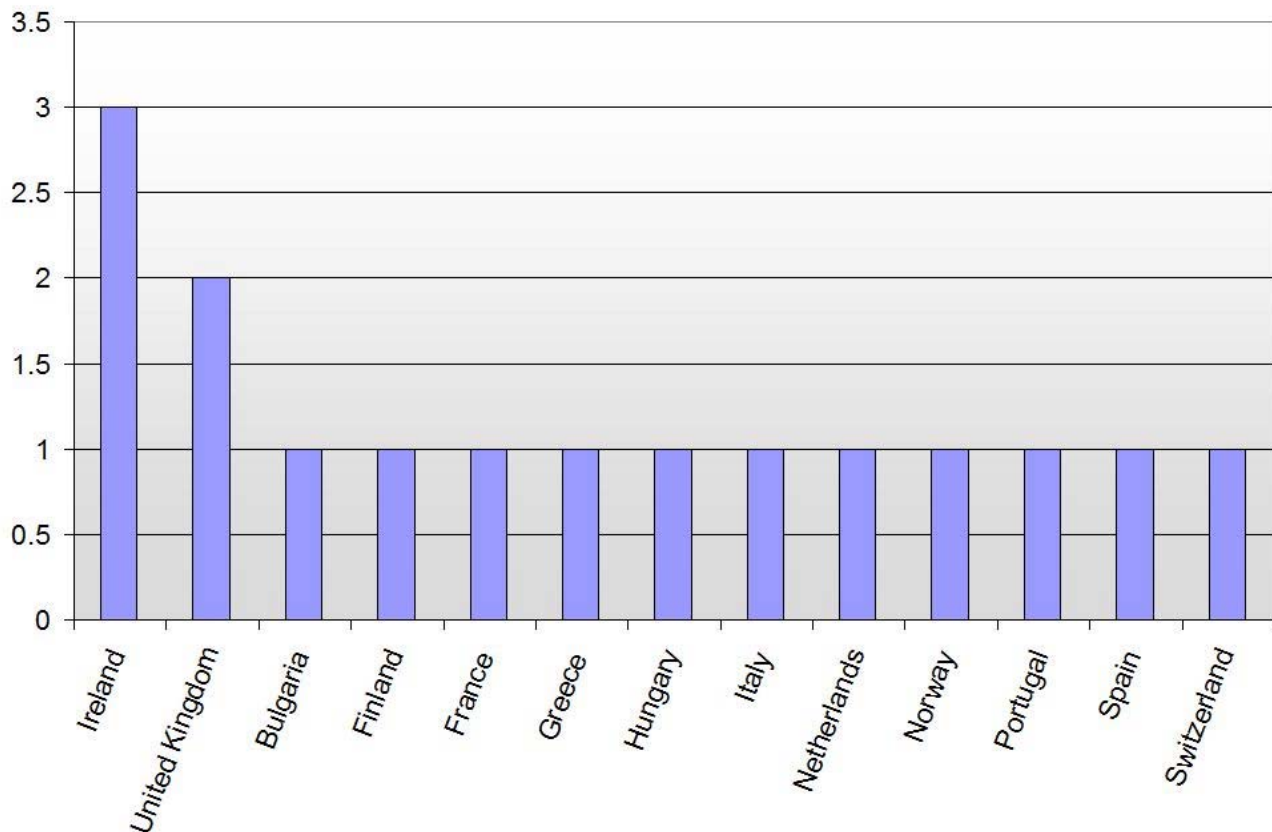
European coordinators included: IIMC International Information Management Corporation Limited, Ireland (3 projects); Martel GmbH, Switzerland (2 projects) and Imperial College of Science, Technology and Medicine, United Kingdom (1 project).

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<sup>32</sup> <http://www.ist-africa.org>

<sup>33</sup> <http://www.6deploy.eu/>

Mauritius - Number of FP7 Projects with EU Participants by Country



The diagram above provides an overview of the number of FP7 proposals that involved partners from different European and Associated Countries with participants from Mauritius.

Eighteen **(18)** European and Associated Country organisations partnered with Mauritius organisations in successful FP7 projects including: IIMC International Information Management Corporation Limited, Ireland (3 projects); and Bulgarian Research and education Network, Bulgaria; Helsingin yliopisto - University of Helsinki, Finland; Oulun yliopisto - University of Oulu, Finland; Groupement d'Interet Public Reseau National de Telecommunications pour la Technologie, l'enseignement et la Recherche, France; Greek Research and Technology Network S.A., Greece; Nemzeti Információs Infrastruktúra Fejlesztési Iroda, Hungary; Università Degli Studi di Milano, Italy; Cisco Systems International B. V., Netherlands; Uninett AS, Norway; Fundacao para a Computacao Cientifica Nacional - FCCN, Portugal; Consultores Integrales en Telecomunicaciones "Consulintel", S.L., Spain; Martel GmbH, Switzerland; Cellcentric Limited, United Kingdom; Imperial College of Science, Technology and Medicine, United Kingdom; The Chancellor, Masters and Scholars of the University of Cambridge, United Kingdom; The Chancellor, Masters and Scholars of the University of Oxford, United Kingdom and University College London, United Kingdom. This provides a starting point for future collaborations under Horizon 2020.

There is now an appetite for participation in internationally funded research including EU funded research, and the number of funded projects is expected to increase in future years.

### **11.3.2 Review of the National ICT Strategic Plan (NICTSP) 2007–2011**

The review of the National ICT Strategic Plan (NICTSP) 2007–2011 is one of the three activities undertaken under the Competitiveness and Public Sector Efficiency (CPSE) program, which aims to sustain growth and employment, while helping Mauritius to address the impact of the global recession. The CPSE program aligns with Mauritius' long-term development objectives. These centre on the kind of economic development that will allow it to move away from low-wage, labour-intensive exports to more skilled, high value-added, knowledge-based ones. It seeks to deepen the reforms initiated in 2006, and supports Government's more immediate efforts to help the country ride out the global economic downturn.

The funding was from the African Development Bank Group under the MIC Grant Supporting the Mauritius Competitiveness and Public Sector Efficiency Program (CPSE)

Funding: 299,840 USD

### **11.3.3 Development of an open platform for “Volunteer thinking”**

The project is being undertaken by the University of Mauritius. It is funded by International Development Research Centre (IDRC), a Canadian funding agency, as a wider effort to promote open science. The initial investigation will look into how problems can be broken down into tasks so that they can be outsourced to volunteers, an undefined public. A proposal is actually being sought out in collaboration with researchers from CERN (European Organization for Nuclear Research.) and co-founders of the Open Knowledge Foundation. The considered direction is how problems related to skin lesions in developing regions can be applied with crowd-based analysis to detect skin cancers as well as other diseases.

### **11.3.4 Connection of Rodrigues to submarine fibre optic**

The Government is committed to bring Rodrigues to the same level of development as Mauritius in the ICT field and believes that, to achieve this objective, connecting Rodrigues to a submarine fibre optic cable is essential. The “Agence Française de Développement” (AFD) has approved to fund for the conduct of the consultancy exercise to the tune of €100,000.

### **11.3.5 Open Hardware Web API**

The main aim of the project is to provide a tool that supports Machine to Machine interaction in the context of pervasive computing. We are studying the possibility of devising the tool for real time web based interaction with the physical world sensors. This tool will help programmers/engineers with basic or no knowledge of C/C++ or electronics to use and access sensors on programmable boards remotely through a secure web API.

Funded by France Telecom (Orange Labs) at the tune of €5000.

### **11.3.6 Sustainable public procurement (SPP)**

Sustainable public procurement (SPP) is a tool which allows governments to leverage public spending in order to promote the country's social, environmental and economic policies. The present public procurement policy in Mauritius does not formally take into account sustainability aspects. The Government of Mauritius recognises that procurement decisions by public bodies have inherent social, public, health, environmental and economic impacts both locally and globally and; both at present and in the future. Since 2009, the United Nations Environment Programme (UNEP) has been running a project aimed at supporting the development of SPP policies and the implementation of SPP in pilot countries including Mauritius. The Government of the Republic of Mauritius has agreed to be one of the pilot countries for the SPP capacity building project administered by UNEP on behalf of the Marrakech Task Force on SPP, led by Switzerland. The Public Procurement Office has been identified as the enabler for implementing the SPP project. An agreement has been signed between the PPO and UNEP for financing the SPP project.

**Funding:** An amount of Rs 700,000 has been obtained by the PPO for training purposes. A further sum of Rs 2M will be given by UNEP for further training.

### **11.3.7 Consultancy for 'Ensuring the compliance of the data protection legislation and principles of Mauritius with EU standards'**

The Government of Mauritius needs to achieve compliance of the Mauritian Data Protection Act and related legislations with EU data protection laws. The global objective of this assignment is to amend the Data Protection Act in the perspective of achieving compliance with the EU data protection laws, and to improve the existing institutional set-up of the Data Protection Office to meet international standards.

**Funding:** It was funded by the European Union with a budget of €30,000.

### **11.3.8 Capacity Building Programme on Green IT and Energy and Energy Efficient Data Centres**

In line with its initiatives to promote Green IT at national level, the National Computer Board, which operates under the aegis of the Ministry of Information and Communication Technology has organised during the period of May-June 2013 three trainings, namely (a) Green IT (b) EU Code of Conduct for Data Centres and (c) Energy and Cost Management in Data Centres, all leading to industry certification from BCS, The Chartered Institute for IT. The global objective of this Capacity building programme is to raise awareness of the opportunities for energy and cost efficiency within the industry and gives guidance on initiatives and changes that can be made to improve the efficiency of the data centre infrastructure, as well as the IT equipment.

**Funding:** It was funded by the EU with a budget of Rs. 3.2 m.

### **11.3.9 Consultancy Services on Sustainable Buildings and Construction for Mauritius**

The Ministry of Environment and Sustainable Development (MOESD), in collaboration with the United Nations Environment Programme (UNEP), has developed a National Programme on Sustainable Consumption and Production (SCP) for Mauritius for the period 2008 - 2013. One of the key priority areas identified in the SCP programme is Sustainable Buildings and Construction. In this context, the government has requested for Consultancy Services to develop a policy on Sustainable Buildings and Construction, including guidelines on sustainable buildings. The global objective of this assignment was to establish a comprehensive framework to promote sustainable buildings in the Republic of Mauritius (island of Mauritius and Rodrigues).

**Funding:** This project was funded by EU with a budget of 171,000 Euros.

### **11.3.10 Consultancy Services on the development of national policy, strategies and action plan for the management of waste electrical and electronic equipment (e-wastes)**

This project is currently in progress where three experts funded by the European Union is developing the E-Waste Policy, Strategy and Action Plan for Mauritius. The specific objectives of this project are:

- a) Assess and evaluate existing e-waste policy, initiatives, gaps, challenges and opportunities in/for the management of e-wastes in Mauritius.
- b) Develop comprehensive national e-waste policy, strategies and an action plan for the environmentally sound management (ESM) of e-wastes in Mauritius.
- c) Recommend appropriate economic and policy instruments and financing mechanism which will favour the ESM management of e-wastes in Mauritius
- d) Recommend appropriate legal, institutional and administrative framework for the ESM of e-wastes in Mauritius.

**Funding:** This project was funded by EU with a budget of 177,000 Euros.



## 12. REPUBLIC OF MOZAMBIQUE

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### 12.1 Introduction

The Republic of Mozambique is located in Southern Africa, bordered by Malawi, South Africa, Swaziland, Tanzania, Zambia and Zimbabwe. The Mozambique Channel is to the east. Mozambique has an area of 799,380 km<sup>2</sup> and eleven provinces: Cabo Delgado, Niassa, Nampula, Tete, Zambézia, Manica, Sofala, Inhambane, Gaza, Maputo Província and Maputo-Cidade. The population is estimated at 24.09 million inhabitants (July 2013 CIA World Factbook) with a literacy rate of 56.1%. Fifty one percent of the population is aged between 15 and 64 (median 17 years)<sup>34</sup>. The capital city is Maputo with a population of 1.589 million (2009 CIA World Factbook). Portuguese is the official language and there are several indigenous languages as national languages. English is widely used in business and government.



Mozambique is still heavily dependant upon foreign assistnace to support its annual budget. As part of a diversification programme the Government of Mozambique has encouraged donors of invest in ICT and to assist in developing ICT-related systems, infrastructure and human capacity within the Government as part of the ICT Implementation Strategy and eGovernment Strategy and also in the Higher Education Institutions.

In terms of ICT infrstructure, there are two submarine fibre optic cables - Seacom (2009) and EASSY (2010). The national broadband backbone provides an optical fibre connection to all 11 provincial capitals. There is an Internet Exchange Point in Maputo. Purchase of international capacity is facilitated for eGovernment users through the GovNet projects and for Universities through MoRENet (NREN).

ICT Initatives are currently ongoing at national level in the areas of eGovernment (Electronic Government Network, Government Portal, Capacity Building, State Financial Administration System, Mozambique eGovernment Communication Infrastructure project, National System of Civil Registration, Biometric Driviing Llcence and Motor Registration Systems, Biometric ID Card and Passport, Criminal Registration System) and Digital Divide (Provincial Digital Resource Centres, Multimedia Community Centres Programme). More information in relation to these activities are outlined in a complementary IST-Africa Study entitled "Guide to ICT Initiatives and Research Capacity in IST-Africa Partner Countries", January 2014, ISBN: 978-1-905824-41-0.

There are 2 public universities, 8 public Higher Education Insitutions, 10 private Universities and 22 private Higher Education Institutions.

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<sup>34</sup> CIA Factbook

## 12.2 Bilateral Cooperation

Austria, Belgium, Denmark, Finland, France, Germany, Ireland, Italy, Netherlands, Norway, Portugal, Spain, Sweden, United Kingdom, Canada, Japan and US provide donor support to Mozambique, primarily toward general budgetary support. focused on national development priorities including Macro-economic, Financial and Trade Policies; Good Governance, Legality & Justice, Capacity Building in Education and Health and Priority Sector (Agriculture & Rural Development, Transport Infrastructure, Energy and Water and Sanitation). In the case of Finland, Germany and Italy, specific ICT/Innovation-related projects have also been launched.

### 12.2.1 Finland

#### **12.2.1.1 STIFIMO (Programme of Cooperation in Science, Technology & Innovation between Finland and Mozambique)**

The main purpose of this Programme is to enhance the national science, technology and innovation system, so that it contributes effectively to economic growth and poverty alleviation. With an overall objective of accelerating the transformation of the social, economic, environmental and institutional dimensions of Mozambique, to be characterised by a widespread culture of innovation and strong innovation capacities, high-quality human resources, active and innovative public and private sectors with the ability to identify and resolve current and future development-related challenges coherently, and collaboratively supported by scientific and technological knowledge, in line with international good practices.

The Programme leverages the experiences of launching Innovation Programme such as SAFIPA in South Africa.

**Target Country:** Mozambique

**Main partners:** Ministry for Foreign Affairs Finland (MFA), Ministry of Science & Technology Mozambique (MST), private sector partners

**Funding:** €22M, 2010-2014

#### **12.2.1.2 CSBKE (Creating Sustainable Business in the Knowledge Economy)**

Finland, Nokia, and infoDev were partners in the Creating Sustainable Businesses in the Knowledge Economy Programme, with the aim of encouraging innovation and competitiveness among SMEs in the information and communication technologies and agribusiness sectors in particular. This programme focused on improving capacity of Sub-Saharan business incubators in mobile applications development, social networking and market deployment.

**Target Countries:** Southern and Eastern Africa, pilots in Tanzania, Mozambique and South Africa

**Main Partners:** Ministry for Foreign Affairs Finland (MFA), InfoDEV Programme, Nokia Corporation

**Funding:** Global programme of which €3.3 M allocated to Africa from MFA for period 2010-2012

### 12.2.1.3 ***Southern Africa Innovation Support Programme (SAIS)***

SAIS<sup>35</sup> is focused on supporting a regional innovation system in SADC and promoting collaboration in relation to innovation systems between Botswana, Mozambique, Namibia and Zambia. MICTI is the national partner.

**Partners:** Mozambique ICT Institute (MICTI), Botswana Innovation Hub (BIH), Namibia Business Innovation Centre (NBIC) and National Technology Business Centre, Zambia

**Funding:** 6.2 million € Ministry of Foreign Affairs Finland 2011 - 2015

## 12.2.2 **Germany**

### 12.2.2.1 ***Mobile Banking in Rural Areas***

Banco Oportunidade of Mozambique received 2 million Euro to co-finance a business development project to build capacity to sustainably finance agriculture, particularly targeting smallholders. Banco Oportunidade de Mocambique financed the remaining portion of the project costs from its own funds. The partnership with development institutions and donors helped Banco Oportunidade de Mocambique to train staff, develop new products, and establish new distribution channels through satellite branches and new mobile banks. These efforts are expected to significantly increase its planned outreach in rural areas to benefit agriculture customers.

**Target Countries:** Ghana, Mozambique

**Main partners:** KfW on behalf of German Federal Ministry of Economic Cooperation (BMZ)

**Funding:** €9.5 M (Ghana), €2 M (Mozambique)

### 12.2.2.2 **ict@innovation**

ict@innovation<sup>36</sup> was focused on building capacities in African Small and Medium sized ICT enterprises in relation to using Free and Open Source Software (FOSS) by spreading FOSS business models for enterprises in Africa, fostering FOSS certification and supporting innovative local FOSS applications for social and economic development.

**Target Countries:** Eastern and Southern Africa (Kenya, Malawi, Mozambique, Rwanda, South Africa, Tanzania, Uganda, Ethiopia, Namibia, Zambia)

**Main partners:** Partnership of FOSSFA (Free Software and Open Source Foundation for Africa) and InWEnt - Capacity Building International on behalf on behalf of German Federal Ministry of Economic Cooperation (BMZ), the Open Society Initiative for Southern Africa (OSISA).

**Funding:** 1.6m euro from German Federal Ministry of Economic Cooperation (BMZ), 2008 – 2010 first phase

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<sup>35</sup> [www.saisprogramme.com](http://www.saisprogramme.com)

<sup>36</sup> <http://www.ict-innovation.fossfa.net/>

### 12.2.3 Italy

#### 12.2.3.1 *Government Electronic Network – E-Governments in the Districts*

The Mozambican Government Network was established in 2004 with the support of the Italian Government and during its first phase a number of selected public institutions at central level were linked, through a communication platform that provided email services, connection to Internet a Government Portal was designed that provided Intranet facilities for public servants and information of government services, plans, acts and documents. From 2005 to 2009 the network was extended to cover all provincial capitals and from 2010 to 2013 this network will be extended to all the 128 districts. The project will also strengthen government capacity building programs and provide applications through which services will be delivered using electronic tools. The project aims to improve the organization and efficiency of the public administration.

**Target Countries:** Mozambique

**Main partners:** Ministry for Foreign Affairs Italy (MFA), Ministry of Science & Technology Mozambique (MST)

**Funding:** 4.8M€ 2010-2013

### 12.2.4 Belgium / Norway

#### 12.2.4.1 *SISTAFE*

The Government of Mozambique is carrying out a Public Financial Management Reform as an integral part of a wider Public Sector Reform aiming at promoting good governance. Commitment to the Public Financial Management Reform was demonstrated by the Parliament's approval of the SISTAFE law in 2002. The SISTAFE law covers the 5 functional areas: public sector budgeting, accounting, fixed asset management, treasury operations and internal control and set out a vision for Public Financial Management in line with international standards.

Norway provided support to the SISTAFE reform since the beginning of the reform in 2002 until 2009. The implementation of the reform has led to significant improvements in public financial management as documented in the PEFA-study published in 2008. Currently, Belgium has put some money on the SISTAFE Common Fund, with the objective of introducing a modern and integrated system for budget preparation, budget execution and treasury activities in the Government of Mozambique.

**Target Countries:** Mozambique

**Main Partners:** Belgium, Norway, Ministry of Finance Mozambique (MF)

**Funding:** 2.5M€ 2010 – 2012

## 12.2.5 EU

### **12.2.5.1 Rural Telecommunications Network Improvement Phase II**

Rural telecommunications network improvement - phase II commitment 2: telvent contract- supply and installation of rural telecom networks in the Provinces of Gaza & Inhambane. The overall objective is to grant access to basic telephony services to the majority of rural inhabitants. Phase II is specifically focused on providing rural communities of the Provinces of Gaza and Inhambane (not covered under Phase I of the project) with a reliable rural telecommunication system, which will provide telephone services between districts and provincial capitals and thus access to the national network.

**Target Countries:** Mozambique

**Main Partners:** Gaza and Inhambane Provincial Governments

**Funding:** 1,223,087€

### **12.2.5.2 Co-operation Protocol between Portugal and Mozambique in the postal and telecommunications sectors**

The co-operation protocol includes a number of technical missions and training in the following areas: a) Normalization, Equipment certification and ITED; b) Accounting and Financial Management, Management of Human resources and Services of Documentation and Attendance to the Public; c) Regulation of the Postal Sector and of the Telecommunications sector; d) Engineering of Telecommunications and Management of the Spectrum, Numeration and Fiscalization.

**Target Countries:** Mozambique

**Main Partners:** Ministry of Foreign Affairs Portugal and Ministry of Transport and Communication Mozambique, National Telecommunication Regulator (INCM)

**Funding:** €282,288

## 12.3 Other Funding Mechanisms

### **12.3.1 Framework Programme 7**

Instituto Nacional das Tecnologias de Informação e Comunicação (INTIC) is a beneficiary under the IST-Africa Initiative since 2005.

Participation in IST-Africa facilitated INTIC to host an IST-Africa FP7 Training Workshop and a Stakeholder Meeting focused on Horizon 2020 in Maputo in December 2013. As part of its ongoing IST-Africa activities INTIC circulates updates on open Calls for Proposals as they are available, encourages the research community to explore these opportunities for international research projects, promotes the research centres during international meetings and has undertaken an initial mapping of research expertise. INTIC is raising awareness of the potential of Living Labs in Mozambique.

Mozambique has built up a good track record of participation in FP7 with successful participation in **20** projects: ICT (5 projects), Environment (3 projects), Health (6 projects), Food, Agriculture and Biotechnology KBBE (2 projects) and Space (4 projects). This is a direct result of the greater international visibility achieved by hosting the IST-Africa 2007 Conference in Maputo and the sensitisation undertaken during IST-Africa FP7 Workshops at a national level.

Up to September 2013, Mozambique organisations had secured **€3.36 million** in funding under FP7.

Mozambique has been very successful in recent years in attracting international funding for ICT related projects. It is clear that having secured initial projects, it becomes much easier to become involved in more proposals.

As at 31 December 2013, the following projects are now completed:

- **ICT: IST-Africa Initiative** 2007-2009 (Unidade Tecnica de Implementacao da Politica de Informatica/INTIC) Support Action, **IST-Africa Initiative** 2009 - 2011 (Unidade Tecnica de Implementacao da Politica de Informatica/INTIC) Support Action, **IRMA** 2008 – 2009 (Instituto Nacional de Gestao de Calamidades) Collaborative project; and
- **Environment: EO2HEAVEN** 2010 – 2013 (Unidade Tecnica de Implementacao da Politica de Informatica) Collaborative project; **DEWFORA** 2011 – 2013 (Universidade Eduardo Mondlane) Collaborative project;
- **Health: NANOTRYP** 2009 – 2013 (Universidade Eduardo Mondlane) Collaborative project;
- **Space: REDD-FLAME** 2011 – 2013 (Universidade Eduardo Mondlane) Collaborative project, **SAGA-EO** 2010 – 2012 (Instituto Nacional De Meteorologia) Coordination and support action, **WATPLAN** 2011 – 2013 (We Consult Limitada) Collaborative project; **MYWATER** 2011 – 2013 (Universidade Eduardo Mondlane) Collaborative project;

Ten projects are still running:

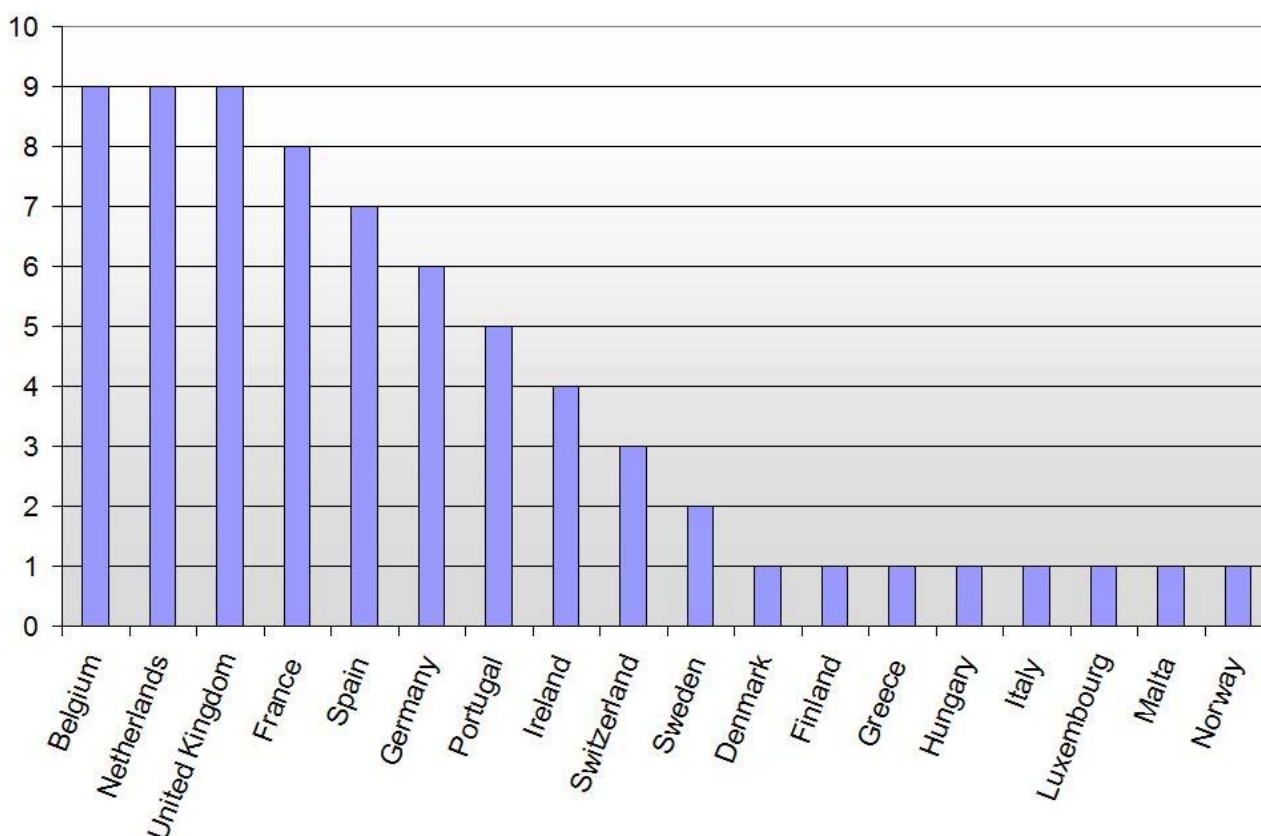
- **ICT: IST-Africa Initiative** 2011 – 2013 (INTIC) Support Action; **IST-Africa Initiative** 2014 – 2015 (INTIC) Support Action;
- **Environment: AGRICAB** 2011 – 2015 (Instituto Nacional De Meteorologia & Universidade Eduardo Mondlane) Collaborative project,
- **Health: CUT'HIVAC** 2010 – 2014 (Instituto Nacional de Saúde) Collaborative project, **DIFFER** 2011 – 2016 (Associacao Centro Internacional para Saude Reprodutiva) Collaborative project, **MOMI** 2011 – 2016 (Associacao Centro Internacional para Saude Reprodutiva & Universidade Eduardo Mondlane) Collaborative project, **REACHOUT** 2013 – 2018 (Universidade Eduardo Mondlane) SICA, **SURE** 2009 – 2014 (Ministerio de Saúde & Universidade Eduardo Mondlane) Collaborative project;



- **Food, Agriculture and Biotechnology KBBE: ICONZ 2009 – 2014** (Universidade Eduardo Mondlane) Collaborative project, **EAU4FOOD 2011 – 2015** (Universidade Eduardo Mondlane) Collaborative project

European coordinators included: IIMC International Information Management Corporation Limited, Ireland (4 projects); Universiteit Gent, Belgium (2 projects); with **one project each**: VIB, Belgium; Vlaamse Instelling Voor Technologisch Onderzoek N.V., Belgium; Thales Alenia Space France, France; Universite Pierre et Marie Curie - Paris 6, France; Fraunhofer-Gesellschaft zur Foerderung Der Angewandten Forschung e.V, Germany; Universite Du Luxembourg, Luxembourg; Stichting Deltares, Netherlands; Stichting dienst Landbouwkundig Onderzoek, Netherlands; Waterwatch Bv, Netherlands; Nasjonalt Kunnskapssenter for Helsetjenesten, Norway; Gmvis Skysoft sa, Portugal; Liverpool School of Tropical Medicine, United Kingdom; Remote Sensing Applications Consultants Limited, United Kingdom and The University of Edinburgh, United Kingdom.

Mozambique - Number of FP7 Projects with EU Participants by Country



The diagram above provides an overview of the number of FP7 proposals that involved partners from different European and Associated Countries with participants from Mozambique.

Ninety-five (**95**) European and Associated Country organisations partnered with Mozambique organisations in successful FP7 projects. This provides a significant network for future collaboration

under Horizon 2020. The most prominent organisations that were involved in multiple projects included: IIMC International Information Management Corporation Limited, Ireland (4 projects); Joint Research Centre- European Commission, Belgium (2 projects); Universiteit Gent, Belgium (2 projects); Institut National de la sante et de la Recherche Medicale (INSERM), France (2 projects); Thales Alenia Space France (2 projects); Het Koninklijk Instituut Voor de Tropen, Netherlands (2 projects); Stichting dienst Landbouwkundig Onderzoek, Netherlands (2 projects); Universiteit Twente, Netherlands (2 projects); Universidade do Porto, Portugal (2 projects); Karolinska Institutet, Sweden (2 projects) and University College London, United Kingdom (2 projects). The full list of all European partner organisations is available in Annex 1 of this Report.

### **12.3.2 ExTTI: Excellence in ICT Use for Learning Purposes – Developing Competences and Establishing Best Practices**

ExTTI - "Excellence in ICT use for learning purposes - developing competences and establishing best practices", was a project of institutional cooperation, financed by the European Commission's 9th European Development Fund, within the ACP (Africa, Caribbean and Pacific) - Information and Communication Technologies Programme (@CP-ICT Programme) - ACP Science and Technology Programme.

**Target Country:** Mozambique

**Main partners:** Instituto Superior de Estatística e Gestão de Informação da Universidade Nova de Lisboa

**Funding:** 560k€ from EDF9 (@CP-ICT capacity-building programme) 2009-2011

### **12.3.3 TIC (Through Innovative Contributions): Students eSkills Development Programme & Distance Learning**

"ICT-Through Innovative Contributions" was a metrical action, intended to be innovative by providing a cross between education and professional training, use and access of ICT tools, the MDGs aspirations and the empowerment of the targeted audiences, in conjunction with a view to reduce poverty in specific locations in Mozambique and Cape Verde. The notion of a metric also concurs in this project for the articulation between the involved features in each country, supposing that the results of one are conditioned by the characteristic of another. Assuming ICTs as a compulsory and cross-cutting area of action and recognizing the thematic areas such as: HIV / AIDS, Food security and Hygiene, Gender Equality and Entrepreneurship. This project is a result of a partnership between the Portuguese Piaget Institute, as a coordinator, and the Universities of Piaget Mozambique and Cape Verde, through EDF (EuropeAid via the ACP group) funding.

**Target Countries:** Mozambique, Cape Verde

**Main partner:** Instituto Piaget

**Funding:** 780k€ from EDF9 (@CP-ICT capacity-building programme) 2009-2011

## 13. REPUBLIC OF NAMIBIA

### 13.1 Introduction

Namibia is situated in South Western Africa, bordered by the Atlantic Ocean in the west, Angola and Zambia in the north, Botswana and Zimbabwe in the east and South Africa in the South. The country has a surface area of 824,292 km<sup>2</sup> with 14 administrative divisions. The population as at July 2013 was estimated at 2.18 million inhabitants, with a literacy rate of 88.8%<sup>37</sup>. Sixty-three percent of the total population is between the ages of 15 - 64, with a median age of 22 years. Windhoek, the capity city, has a population of 342,000 (2009, CIA World Factbook). English is the official language, with Afrikaans, German and indigenous languages also spoken. Namibia is one of the first countries to incorporate protection of the environment into its constitution with approx 14% of its land being protected including the Namib Desert coastal strip.



Namibia is an arid country with generally low and highly variable rainfall. Agriculture, largely subsistence, is the main economic activity for the rural population, contributing about 7% of GDP. Other activities include Industry (29.4%) and Services (62.7%) estimate 2012. Diamonds, Minerals, Fish, Livestock and Livestock by-products are the country's principal exports.

The Namibian Government recognises the importance of ICT to support socio-economic growth. This is reflected both in the ICT Policy and in Vision 2030, which envisions Namibia as a knowledge-based economy by 2030. A dedicated Ministry of ICT was established in 2008. Namibia has made good strides in developing the ICT sector. The overarching Information Technology policies include the IT Policy, Broadcasting Policy Communications 2009 and Telecommunications Policy, Postal Policy. The Communications Regulatory Authority of Namibia (CRAN), which was foreseen under the Communications Act of 2009, was operationalised in 2011.

ICT Initiatives are currently ongoing at national level in the areas of eEducation (TECH/NA! ICT in Education Initiative, ICT Centre of Excellence, Namibia-South Africa Joint Calls for Research), eHealth (Integrated Health Care Information Management System) and eGovernance (eInfrastructure, Capacity Building, Government Portal, Electronic Documents and Record Management System). More information in relation to these activities are outlined in a complementary IST-Africa Study entitled "Guide to ICT Initiatives and Research Capacity in IST-Africa Partner Countries", January 2014, ISBN: 978-1-905824-41-0.

<sup>37</sup> CIA World FactBook

Namibia has one public University with 16,846 students, one public Polytechnic with 13,130 students (2013), 46 vocational training centres and skills development centres, one private University with 8,300 students (2013) and 1,450 schools. There are also several private colleges operating in Namibia.

## 13.2 Bilateral Cooperation

European Embassies in Namibia include Germany, France, Spain, UK, Portugal, Finland and the EU Delegation.

Bilateral Support for ICT-related activities is primarily from Finland (Southern Africa Innovation Support Programme) and India (Pan African e-Network) at present. Germany provided support to the regional *ict@innovation* Open Source Project and Germany and the Netherlands have contributed towards education programmes in the past.

### 13.2.1 Finland

The Southern African Innovation Support Programme (SAIS)<sup>38</sup> is focused on supporting a regional innovation system in SADC and promoting collaboration in relation to innovation systems between Botswana, Mozambique, Namibia and Zambia. The Namibia Business Innovation Centre (NBIC) is the Namibian partner and the Programme was launched in Windhoek on 13 May 2011.

**Partners:** Namibia Business Innovation Centre (NBIC), Botswana Innovation Hub (BIH), National Technology Business Centre, Zambia and Mozambique ICT Institute (MICTI)

**Funding:** 6.2 million € Ministry of Foreign Affairs Finland 2011 – 2015

### 13.2.2 Germany

*ict@innovation*<sup>39</sup> is focused on building capacities in African Small and Medium sized ICT enterprises in relation to using Free and Open Source Software (FOSS) by spreading FOSS business models for enterprises in Africa, fostering FOSS certification and supporting innovative local FOSS applications for social and economic development.

**Target Countries:** Eastern and Southern Africa (Kenya, Malawi, Mozambique, Rwanda, South Africa, Tanzania, Uganda, Ethiopia, Namibia, Zambia)

**Main partners:** Partnership of FOSSFA (Free Software and Open Source Foundation for Africa) and InWent - Capacity Building International on behalf on behalf of German Federal Ministry of Economic Cooperation (BMZ), the Open Society Initiative for Southern Africa (OSISA).

**Funding:** 1.6m euro from German Federal Ministry of Economic Cooperation (BMZ), 2008 – 2010 first phase

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<sup>38</sup> [www.saisprogramme.com](http://www.saisprogramme.com)

<sup>39</sup> <http://www.ict-innovation.fossfa.net/>

### 13.2.2 India

The Government of Namibia signed a project agreement with the Government of India in 2009 for the establishment of a Pan African e-Network that provides specialist e-health, quality tertiary level e-education and VVIP direct connectivity to Namibia. Significant progress has been achieved with project implementation of the e-education centre. The e-health centre at the Windhoek Central Hospital has been equipped with VSAT connectivity and the virtual doctor's rooms as well as a continuous medical training studio are nearing completion.

## 13.3 Other Funding Mechanisms

### 13.3.1 Framework Programme 7

The Ministry of Education, Directorate of Research, Science, Technology and Innovation is a beneficiary of the IST-Africa Initiative since 2007. IST-Africa is the first FP7 project in which Namibia is involved. The IST-Africa Initiative instigated the Africa4All Parliamentary Initiative in which the Parliament of Namibia was a beneficiary. Namibia's participants in the Framework Programme have increased after hosting IST-Africa 2008 in Windhoek. The National Commission on Research, Science and Technology (NCRST) is now responsible for IST-Africa activities.

Participation in IST-Africa facilitated MoE to host an IST-Africa FP7 Training Workshop in Windhoek focused on FP7-ICT and FP7-Africa2010 Calls for Proposals and NCRST to host a Stakeholder Meeting in Windhoek in November 2013 focused on Horizon 2020. As part of its ongoing IST-Africa activities MoE / National Commission on Research, Science and Technology circulates updates on open Calls for Proposals as they are available, encourages the research community to explore these opportunities for international research projects, promotes the research centres during international meetings and has undertaken an initial mapping of research expertise. The National Commission on Research, Science and Technology is working with the universities to encourage the institutions to gradually transform from primarily teaching institutions to research and innovation engines to drive socio-economic development. National Commission on Research, Science and Technology is also raising awareness of the potential of Living Labs in Namibia.

Up to November 2013 Namibia has successfully secured participation in **11** FP7 projects in ICT (4 projects), Environment (1 project), Health (1 project), INCO (1 project), Infrastructure (1 project), Food, Agriculture and Biotechnology KBBE (2 projects) and Science in Society (1 project).

As at 31 December 2013, six projects are completed:

- **ICT: IST-Africa 2008 – 2009 & 2010 – 2011** (Ministry of Education) Support action;
- **INCO: INCOFISH 2005 – 2008** (University of Namibia) Specific Targeted Research Project;
- **Infrastructure: CTA-PP 2010 – 2013** (University of Namibia) Combination of CP & CSA
- **KBBE: DEEPFISHMAN 2009 – 2012** (Ministry of Fisheries and Marine Resources) Collaborative project;



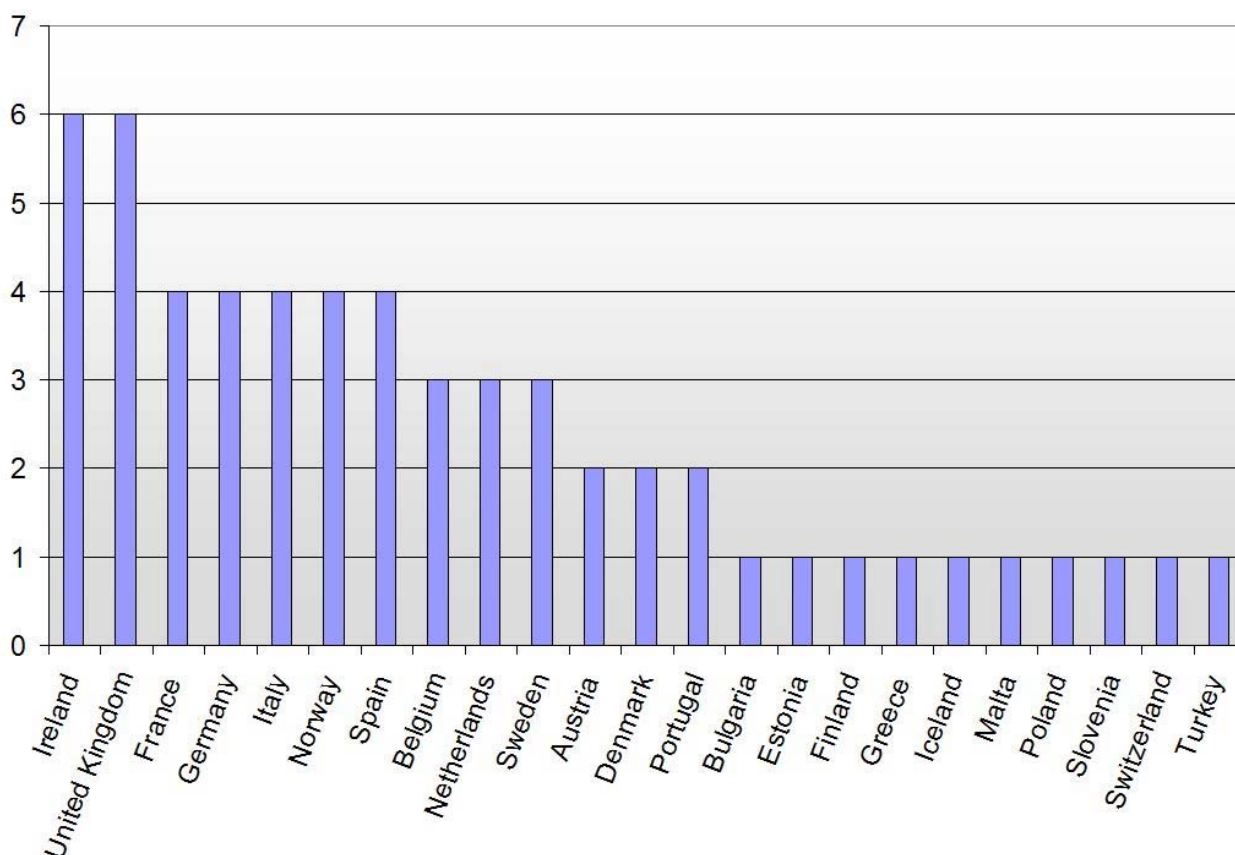
- **Health: EQUITABLE** 2009 - 2013 (University of Namibia) Collaborative project;

Five projects are still running:

- **ICT: IST-Africa Initiative** 2011 – 2013 (Ministry of Education / NCRST) Support action; **IST-Africa Initiative** 2014 – 2015 (National Commission on Research, Science and Technology), Support Action
- **Environment: PREFACE** 2013 – 2017 (Ministry of Fisheries and Marine Resources) Collaborative Project;
- **Food, Agriculture and Biotechnology KBBE: SECUREFISH** 2012 - 2014 (University of Namibia) Collaborative project;
- **Science in Society: EJOLT** 2011 – 2015 (Earthlife Namibia Trust) Coordination and support action;

Namibian organisations have also been represented in a number of unsuccessful proposals in recent years.

Namibia - Number of FP7 Projects with EU Participants by Country



The diagram above provides an overview of the number of FP7 proposals that involved partners from different European and Associated Countries with participants from Namibia.

European coordinators included: IIMC International Information Management Corporation Limited, Ireland (4 projects); with **one project each**: Institut Francais de Recherche pour l'exploitation de la



Mer, France; Leibniz Institut Für Meereswissenschaften An der Universität Kiel (Previously Institut fuer Meereskunde), Germany; Max Planck Gesellschaft zur Foerderung Der Wissenschaften e.V., Germany; The Provost Fellows & Scholars of the College of the Holy and Undivided Trinity of Queen Elizabeth Near Dublin, Ireland; Universitetet I Bergen, Norway; Universitat Autonoma de Barcelona, Spain and University of Surrey, United Kingdom)

Seventy-eight **(78)** European and Associated Country organisations partnered with Namibian organisations in successful FP7 projects. This provides a good network for future collaboration under Horizon 2020. The most prominent organisations that were involved in multiple projects included: IIMC International Information Management Corporation Limited, Ireland (4 projects); Universita Degli Studi di Padova, Italy (2 projects); Havforskninginstituttet, Norway (2 projects); and Instituto Nacional de Recursos Biologicos I.P. INRB, Portugal (2 projects). The full list of all European partner organisations is available in Annex 1 of this Report.

There is now a track record and increased awareness of the benefits of participation in international research and the Framework Programme / Horizon 2020. The number of proposals in which Namibia is involved is expected to increase in future years, building on relationships with German universities in particular.

### 13.3.2 Africa4All Parliamentary Initiative<sup>40</sup>

Through the IST-Africa Initiative, the Parliament of Namibia was included in the Africa4All Parliamentary Initiative, which was funded under the @CP-ICT Call. The timing of the Parliament's participation was well aligned with its goal to move towards new working methods leveraging ICT.

**Target Countries:** Eastern and Southern Africa with pilots in Kenya, Tanzania, Uganda, Lesotho, Namibia

**Main partner:** Gov2u

**Partner in Namibia:** National Assembly of Namibia

**Funding:** 410k€ from EDF9 (@CP-ICT capacity-building programme) 2009-2011

### 13.3.3 TACIT<sup>41</sup>: Tackling Aids and Tuberculosis through Communication and Information Technologies

**Target Countries:** Southern and Eastern Africa, pilots in Kenya, Zambia, Uganda and Namibia

**Main partner:** International HIV/Aids Alliance

**Funding:** 960k€ from EDF9 (@CP-ICT capacity-building programme) 2009-2011

<sup>40</sup> <http://www.africa4all-project.eu/>

<sup>41</sup> <http://www.aidsalliance.org/newsdetails.aspx?id=242>

## 14. SENEGAL

### 14.1 Introduction

Senegal is the most advanced Western African country along the Atlantic Ocean, with major sea and air routes to Europe, other African countries and the Americas.

Covering an area of 196,722 km<sup>2</sup>, it is bordered on the north by Mauritania, east by Mali, south by Guinea and Guinea Bissau, west of the Gambia and a coastline along the Atlantic Ocean for 500 km. Senegal is a flat country with sandy soil not exceeding 130m except at the south-eastern border of Republic of Guinea. Three rivers cross the country from east to west: Senegal (1700 km) north, Gambia (750 km) and Casamance (300 km) south. Senegal consists of 14 administrative regions: Dakar,



Diourbel, Fatick, Kaffrine, Kaolack, Kedougou, Kolda, Louga, Matam, Saint-Louis, Sedhiou, Tambacounda, Thies and Ziguinchor. The population as at July 2013 was estimated at 13.3 million inhabitants, with a literacy rate of 49.7% (CIA World Factbook). Fifty four percent of the total population is between 15 and 64 years of age. Dakar (550 km<sup>2</sup>), the capital, is a peninsula in the far West with a population of 2.7 million (2009 CIA World Factbook).

The official language of the Republic of Senegal is French. The national languages are Diola, Malinke, the Pular, Serer, Soninke and Wolof.

Senegal has a good telecommunication infrastructure and Internet access is cheaper than in other African countries. In terms of ICT Infrastructure, three submarine cables (Atlantis 2, SAT3/WASC/SAFE and Africa Coast) connect Senegal to the rest of the world. The national backbone is under construction. All regions are connected via the optical fibre.

One of the objectives clearly articulated by the Government is to make Senegal a leader in the sub-regional in the production of value-added services supported by ICT, in order to improve its position in the global economy. To achieve these objectives, Senegal has developed a multitude of programs related to Information Technology and Communication (ICT). In fact, for over two decades, state authorities have considered ICT as an essential part of development. Senegal has put a good legal and institutional framework in place.

ICT Initiatives are currently ongoing at national level in the areas of eGovernment (eSenegal, Universal Service Fund, Social Impact of ICT in Senegal), Digital Divide (Multimedia Community Centres Programme, Senegal Observatory on Information Systems, Networks and Info highways) Research (Centre de Recherche et d'Essai Programme, Scan ICT project), eInfrastructures (Grid Computing project, Brain Gain Initiative, Education and Reserach Network, Migration from Analogue to Digital Broadcasting project), Entrepreneurship (CTIC Dakar ICT Incubator) and eEducation

(Senegal Virtual University). More information in relation to these activities are outlined in a complementary IST-Africa Study entitled “Guide to ICT Initiatives and Research Capacity in IST-Africa Partner Countries”, January 2014, ISBN: 978-1-905824-41-0.

There are five public Universities, seven private Universities five public Institutes or Schools of Higher Education and 141 private Higher Education Institutions.

## **14.2 Bilateral Cooperation**

Senegal enjoys bilateral relations with a number of European Member States, including France, Belgium, Spain, Italy and Germany, each of which has a slightly different focus to their engagement. Bilateral Support for ICT-related activities is primarily from France, Switzerland and India. The World Bank and the European Union are the two major multilateral donors.

### **14.2.1 France**

After more than three centuries, France and Senegal have remained very close since the independence of nations. A shared history, a tradition of cooperation in all fields, a stream of constant human and material exchanges in both directions, support this cooperation.

France supports the strategy for achieving the Millennium goals for Senegal, focusing primarily in three key sectors: education, the productive sector and infrastructure.

#### **14.2.2.1 *SIST project*<sup>42</sup>**

This project involves the establishment of an Information System Science and Technology web platform receiving all research records, thesis and publications of Senegal. The portal went live on 30 March 2008.

**Funding:** €50,000

#### **14.2.2.2 *Démarches administratives project*<sup>43</sup>**

The main purpose of this web site is to make reliable administrative information (legal, consistent and updated) accessible to a majority of users, individuals and professionals in a simple and structured manner according to their requirements. The web site then directs users to appropriate services.

### **14.2.2 Belgium**

The main objective of Belgian international cooperation is poverty reduction and in particular improving the well being of the rural population.

### **14.2.3 Switzerland**

Senegal has a limited program with the Swiss Agency for Development and Cooperation (SDC). SDC withdrew from Senegal in 2010. Actions could be maintained as part of a framework for

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<sup>42</sup> [www.sist.sn](http://www.sist.sn)

<sup>43</sup> <http://www.demarches.gouv.sn/>

development and regional integration. In Senegal, the commitment from Switzerland has focused primarily on rural development from the late 70s, and Information Technology and Communication. The Swiss official development assistance to Senegal was between 4 and 5 million Swiss francs per year.

#### **14.2.3.1 Community Multimedia Centres**

On the occasion of World Information Summit in Geneva in 2003, SDC, UNESCO and the Heads of State of Senegal, Mali and Mozambique launched Community Multimedia Centres (CMCs, with access to the Internet) in marginalized areas of the country. These centers are designed to meet the needs of local people in terms of access and exchange information in their own language. They include a radio transmitter, computers for Internet browsing and also offer business services such as telephone, fax and email services. The first phase saw the creation of 24 CMCs in Senegal, including 20 with Swiss funds. Switzerland also provided funds to the second phase. One of the challenges is to ensure better production and distribution of content. There are currently 30 centres functioning in Senegal.

#### **14.2.3.2 CoseLearn**

The CoseLearn project, funded by SDC, also emerged after the World Summit on Information at Geneva. This project involved the gradual introduction of Virtual Campus Regional involving several countries in Francophone Africa, training in forty universities including the University Cheikh Anta Diop in Dakar, nearly 170 experts worked to train specialists and to contribute to content creation, training of nearly 500 specialists in teaching and technical support and building a large catalogue of several hundred modules of courses and several projects pilots involving several thousand students. This ambitious project is under implementation with the assistance of national steering groups. The project is ongoing with over nineteen course from University Cheikh Anta Diop.

#### **14.2.4 Spain**

The Technical Office of Spanish Cooperation is present in Senegal since 2004 and serves as a regional office with expertise in the following countries: Senegal, Gambia, Guinea Bissau, Guinea Conakry, Sierra Leone, Liberia, Cote d'Ivoire, Burkina Faso and Niger.

Spanish Cooperation has worked in sectors such as education, health, vocational training, environment or gender equity.

#### **14.2.5 Italy**

The most significant initiatives underway in the country concern the areas of agriculture and rural development, food security and protection of child rights in collaboration with UN agencies.

#### **14.2.6 Germany**

Senegal is one of the major partner countries of Germany. The strategy for the reduction of poverty in Senegal is used as a starting point to guide the portfolio of activities of cooperation. In

intergovernmental negotiations in November 2012, Germany and Senegal agreed to development cooperation of €57 million for the period 2012-2014. Ongoing collaboration in Decentralization and sustainable economic development will end. Cooperation between the two countries will now focus on Renewable Energy and Energy Efficiency.

#### 14.2.7 India

The Hub Earth Station infrastructure is designed to provide online services, distance learning and telemedicine remote. This ongoing project aims at interconnecting 53 learning centres, 53 hospitals, 5 regional universities and 5 regional hospitals

**Main partners:** India

**Funding:** 40 million US dollars

### 14.3 Other Funding Mechanisms

#### 14.3.1 Framework Programme 7

Ministère de l'Enseignement Supérieur et de la Recherche, Senegal is a beneficiary of the IST-Africa Initiative since 2009.

Participation in IST-Africa facilitated MESR to host an IST-Africa FP7 Training Workshop in Dakar focused on FP7-ICT in November 2010 and raise awareness of the opportunities for participation in international research projects with the wider research community. As part of its ongoing IST-Africa activities MESR has undertaken a mapping of expertise and circulates updates on open Calls for Proposals as they are available, encourages the research community to explore these opportunities for international research projects, promotes the research centres during international meetings. MESR is encouraging the take-up of Living Lab concepts in Senegal.

Up to November 2013 Senegal has successfully secured participation in **41** FP7 projects in ICT (7 projects), INCO (3 projects), Infrastructures (1 project), Environment (9 instead of 7 projects), Health (5 projects), Food, Agriculture and Biotechnology KBBE (9 projects), IDEAS (1 project), People (1 project), Space (1 project) and Social Sciences (4 projects). Up to September 2013, organisations in Senegal had secured **€5.3 million** in funding under FP7.

As at 31 December 2013, the following projects are now completed:

- **ICT: IST-Africa Initiative** 2009 – 2012 (Ministere de la Recherche Scientifique) Support action, **EUROAFRICA-ICT** 2008 – 2009 (Institut Panos Afrique de L'ouest) Coordination and support action, **IRMA** 2008 – 2011 (Centre de Suivi Ecologique) Collaborative project, **VOICES** 2011 – 2013 (Ecole Supérieure Multinationale des Telecommunications) Collaborative project; **EUROAFRICA-P8** 2012 – 2013 (Ecole Supérieure Multinationale des Telecommunications) Coordination and support action;

- **INCO: CAAST-Net** 2008 – 2012 (Ministere de la Recherche Scientifique) Coordination and support action, **INCOFISH** 2005 –2008 (Institut Pasteur de Dakar) Specific Targeted Research Project;
- **Environment: AEGOS** 2008 – 2011 (Ministère des Mines et de l'Industrie) Coordination and support action, **IWWA** 2010 – 2012 (Environnement et Developpement du Tiers Monde Organisation Internationale & Conseil Regional de Matam & Institut Africain de Gestion Urbaine) Coordination and support action, **QWECI** 2010 – 2013 (Centre de Suivi Ecologique & Institut Pasteur de Dakar & Universite Cheikh Anta Diop de Dakar) Collaborative project; **CLUVA** 2010 – 2013 (Universite Gaston Berger de Saint Louis) Collaborative project,
- **Infrastructures: INFRAVEC** 2009 – 2013 (Institut Pasteur de Dakar) Combination of CP & CSA;
- **Food, Agriculture and Biotechnology KBBE: AGFOODTRADE** 2008 – 2011 (Institut Senegalais de Recherches Agricoles) Collaborative project, **ARBO-ZOONET** 2008 – 2012 (Institut Pasteur de Dakar) Coordination and support action, **FUNCITREE** 2009 – 2013 (Institut Senegalais de Recherches Agricoles) Collaborative project; **INSARD** 2011 – 2013 (Reseau des Plates Formes d ong d Afrique de l Ouest et du Centre REPAOC) Coordination and support action,
- **People: AFRICANMIGRANTWOMEN** 2012 – 2013 (Universite Cheikh Anta Diop de Dakar) Support for training and career development of researchers (Marie Curie);
- **Space: SAGA-EO** 2012 – 2013 (Agence Nationale de la Meteorologie du Senegal) Coordination and support action;
- **Social Sciences: EUMAGINE** 2010 – 2013 (Universite Cheikh Anta Diop de Dakar) Collaborative project, **EURESCL** 2008 – 2012 (Universite Cheikh Anta Diop de Dakar) Collaborative project, **MAFE** 2008 – 2012 (Universite Cheikh Anta Diop de Dakar) Collaborative project.

Twenty projects are still running:

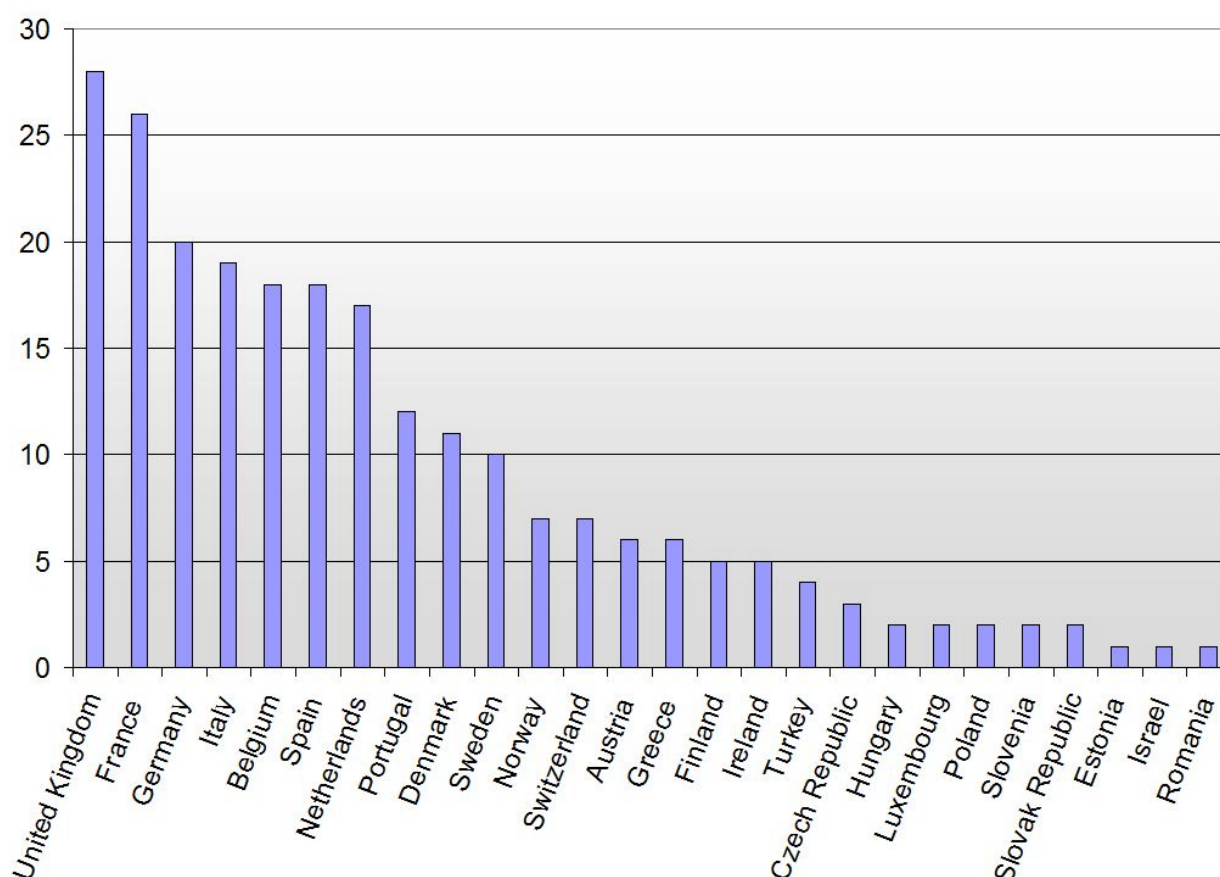
- **ICT: IST-Africa Initiative** 2011 – 2013 (Ministere de l'Enseignement supérieur et de la Recherche) Support action, **IST-Africa Initiative** 2014 – 2015 (Ministere de l'Enseignement supérieur et de la Recherche) Support action,
- **INCO: CAAST-NET PLUS** 2013 – 2016 (Ministere de la Recherche Scientifique) Coordination and support action;
- **Environment: AFRICAN CLIMATE** 2011 – 2014 (Environnement et Developpement du Tiers Monde Organisation Internationale) Coordination and support action, **AGRICAB** 2011 – 2015 (Centre de Suivi Ecologique) Collaborative project, **UNDESERT** 2010 – 2015 (Universite Cheikh Anta Diop de Dakar) Collaborative project; **PREFACE** 2013 – 2017 (Institut Senegalais de



Recherches Agricole, Universite Cheikh Anta Diop de Dakar) Collaborative Project; **HELIX** 2013 – 2017 (Agence Nationale De La Meteorologie Du Senegal) Collaborative Project

- **Health: CHAIN** 2009 – 2014 (Universite Cheikh Anta Diop de Dakar) Collaborative project, **EDENEXT** 2011 – 2014 (Institut Senegalais de Recherches Agricoles) Collaborative project, **EUROWESTNILE** 2011 – 2014 (Institut Pasteur de Dakar) Collaborative project, **HEALTH INC.** 2011 – 2014 (Centre De Recherche Sur Les Politiques Sociales) Collaborative project, **PROLIFICA** 2011 – 2016 (Universite Cheikh Anta Diop de Dakar) Collaborative project;
- **IDEAS: GENINVADE** 2012 – 2017 (Universite Cheikh Anta Diop de Dakar) ERC Advanced Grant;
- **Food, Agriculture and Biotechnology KBBE: AFTER** 2010 – 2014 (Universite Cheikh Anta Diop de Dakar & Association Afrique Agro Export) Collaborative project, **ANIMALCHANGE** 2011 – 2015 (Institut Senegalais de Recherches Agricoles) Collaborative project, **OH-NEXTGEN** 2011 – 2015 (Ecole Inter-Etats des Sciences et Medecine Veterinaires de Dakar) Coordination and support action, **VMERGE** 2013 – 2016 (Institut Senegalais de Recherches Agricoles) Collaborative Project targeted to a special group (such as SMEs), **WATERBIOTECH** 2011 – 2014 (Universite Cheikh Anta Diop de Dakar) Coordination and support action;
- **Social Sciences: NOPOOR** 2012 – 2017 (Consortium Pour la Recherche Economique et Sociale) Collaborative project

Senegal - Number of FP7 Projects with EU Participants by Country



The diagram above provides an overview of the number of FP7 proposals that involved partners from different European and Associated Countries with participants from Senegal.

European coordinators included: Centre de Cooperation International en Recherche Agronomique pour le Developpement, France (3 projects); IIMC International Information Management Corporation Limited, Ireland (3 projects); Institut National de la Recherche Agronomique, France (2 projects); Sigma Consultants, France (2 projects); Verein zur Foerderung Des Technologietransfers an Der Hochschule Bremerhaven e.V., Germany (2 projects); Association of Commonwealth Universities, United Kingdom (2 projects); Imperial College of Science, Technology and Medicine, United Kingdom (2 projects); with **one project each**: Prins Leopold Instituut Voor Tropische Geneeskunde, Belgium; Universiteit Antwerpen, Belgium; Vlaamse Instelling Voor Technologisch Onderzoek N.V., Belgium; Aarhus Universitet, Denmark; Bureau de Recherches Geologiques et Minieres, France; Geie eRCIM, France; Institut de Recherche pour le Developpement, France; Institut National d'etudes Demographiques, France; Institut Pasteur, France; Thales Alenia Space France, France; Leibniz Institut Für Meereswissenschaften An der Universität Kiel (Previously Institut fuer Meereskunde), Germany; Wirtschaft und Infrastruktur GMBH & Co Planungs Kg, Germany; AMRA - Analisi e Monitoraggio del Rischio Ambientale Scarl, Italy; Universite Du Luxembourg, Luxembourg; Stichting eTC, Netherlands; Stiftelsen Norsk Institutt for Naturforskning, Norway; Universitetet I Bergen, Norway; Instituto de salud Carlos III, Spain; London School of economics and Political Science, United Kingdom; London School of Hygiene and Tropical Medicine, United Kingdom; Medical Research Council, United Kingdom; The University of Exeter, United Kingdom; The University of Liverpool, United Kingdom and University College London, United Kingdom.

Two hundred and eighty three (**283**) European and Associated Country organisations partnered with Senegalese organisations in successful FP7 projects. This provides a significant network for future collaboration under Horizon 2020. The most prominent organisations that were involved in multiple projects included: Centre de Cooperation International en Recherche Agronomique pour le Developpement, France (7 projects); Institut de Recherche pour le Developpement, France (7 projects); Agencia Estatal Consejo Superior de Investigaciones Cientificas, Spain (5 projects); Institut National de la Recherche Agronomique, France (4 projects); Institut Pasteur, France (4 projects); Istituto Superiore di sanita, Italy (4 projects); Stichting dienst Landbouwkundig Onderzoek, Netherlands (4 projects); Instituto de Higiene e Medicina Tropical, Portugal (4 projects); The Chancellor, Masters and Scholars of the University of Oxford, United Kingdom (4 projects); Danmarks Tekniske Universitet, Denmark (3 projects); Københavns Universitet, Denmark (3 projects); Robert Koch-Institut, Germany (3 projects); IIMC International Information Management Corporation Limited, Ireland (3 projects); Wageningen University, Netherlands (3 projects); Association of Commonwealth Universities, United Kingdom (3 projects); Imperial College of Science, Technology and Medicine, United Kingdom (3 projects); Medical Research Council, United Kingdom (3 projects); Natural Environment Research Council, United Kingdom (3 projects). The full list of all European partner organisations is available in Annex 1 of this Report.

There is now a strong appetite for participation in EU funded research, and the number of proposals including Senegal is expected to increase in future years.

#### **14.3.2 Government Intranet**

The Government Intranet project commenced in 2004 and provides a network that covers almost all the departments and wires 665 buildings (office buildings, city halls, hospitals, etc.)

**Main partners:** World Bank, China, Korea

**Funding:** 75 million US dollars

## 15. REPUBLIC OF SOUTH AFRICA

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### 15.1 Introduction

The Republic of South Africa occupies the southernmost part of the African continent, stretching latitudinally from 22° to 35° south and longitudinally from 17° to 33° east, flanked on the west by the Atlantic Ocean and on the east by the Indian Ocean, whose waters meet at the country's most southern tip, Cape Agulhas. South Africa has common boundaries with Namibia, Botswana and Zimbabwe, while Mozambique and Swaziland lie to the north-east. The Kingdom of Lesotho is completely enclosed by South African territory in the south-east.



South Africa has a surface area of 1,219,909 sq km, made up of nine provinces, each with its own legislature, premier and executive councils. The provinces (Western Cape, the Eastern Cape, KwaZulu-Natal, the Northern Cape, Free State, North West, Gauteng, Mpumalanga and Limpopo) have their own distinctive landscapes, vegetation and climate.

According to the 2011 Censuses Report, South Africa has a population of 50.6 million, of which 3 million households have computers, 3 million households have access to satellite television, 10.8 million households have access to a television set, 12 million households have access to a cell phone and 14 million householders have access to the Internet. Pretoria, the capital city has a population of 1.404 million, Johannesburg 3.607 million, Durban 2.837 million and Cape Town 3.353 million (2009, CIA World Factbook).

South Africa has three tiers of government, i.e. national, provincial and local. The administrative Capital is Pretoria, while Parliament sits in Cape Town. South Africa is a middle-income emerging market with abundant natural resources, well-developed financial, legal, communications, energy and transport sectors, a stock exchange ranked among the top 20 in the world, and a modern infrastructure supporting efficient distribution of goods throughout the southern African region. Economic growth has been steady and unprecedented ranging from 2.4% in 1999, to 4.9% in 2004 to 5.1% in 2007. GDP fell to 2% in 2009, increased again to 3.1% in 2011 and back to 2.5% in 2012.

South Africa's 2015 ICT Vision aims that South Africa will be an inclusive Information Society where ICT-based Innovation flourishes. The Department of Communications is responsible for the ICT Policy, which is currently under review lead by the ICT Policy Review Panel appointed by the Minister of Communications. The Department of Science and Technology is responsible for the ICT Research, Development and Innovation Policy and following a consultation process the ICT RDI Innovation Roadmap was adopted in 2013 to guide R&D investments over the next ten years.

Some of the ICT Initiatives are currently ongoing at national level include the Broadband Policy Review Process, South African National Research Network & Tertiary Education and Research Network, Digital Terrestrial Television Migration, Square Kilometer Array, Schools Connectivity Project and Wireless Mesh Network Technology Demonstrator. More information in relation to these activities are outlined in a complementary IST-Africa Study entitled “Guide to ICT Initiatives and Research Capacity in IST-Africa Partner Countries”, January 2014, ISBN: 978-1-905824-41-0.

South Africa has a vibrant Higher Education sector with nearly 900,000 students enrolled in the 23 state-funded tertiary institutions (universities, Universities of Technology) and 87 private institutions of Higher Education. There are currently 50 registered public FET Colleges, covering training from Grade 10 to 12 and career-orientated education and training.

## 15.2 Bilateral Cooperation

South Africa enjoys strong bilateral relations with a number of European countries. Finland has been particularly active in supporting ICT related activities over the past few years and France supports bilateral research projects. Germany provided support to the regional ict@innovation Open Source Project.

### 15.2.1 Finland

#### 15.2.1.1 SAFIPA Programme

The SAFIPA Programme<sup>44</sup> (South Africa – Finland Knowledge Partnership on ICT) focused on institutional capacity building on development and deployment of ICT service applications. This programme finished at the end of September 2011.

**Target Country:** South Africa

**Main partners:** Ministry for Foreign Affairs Finland (MFA), Department of Science & Technology South Africa (DST), CSIR/MERAKA Institute, private sector partners

**Funding:** 3 M€ from MFA for period 2008-2011

#### 15.2.1.2 COFISA Programme

The COFISA Programme (Cooperation Framework on Innovation Systems between Finland and South Africa) was focused on providing support for enhancing innovation systems including the use of ICT in service delivery. This programme finished at the end of 2010.

**Target Country:** South Africa

**Main partners:** Ministry for Foreign Affairs Finland (MFA), Department of Science & Technology South Africa (DST), private sector partners

**Funding:** 3 M€ from MFA for period 2006-2010

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<sup>44</sup> <http://safipa.com/>

**15.2.1.3 Establishing National CSIRT Capacity for South Africa**

This Programme between Finland and South Africa was focused on institutional cooperation on Information Security.

**Target Country:** South Africa

**Main partners:** Ministry for Foreign Affairs Finland (MFA), Department of Science & Technology South Africa (DST), Finnish Communications Regulatory, CSIR private sector partners

**Funding:** 280k € for period 2009-2010

**15.2.1.4 INSPIRE (Provincial Information Society Strategies)**

The INSPIRE Programme between Finland and South Africa focused on providing technical assistance to support the development and deployment of an integrated, comprehensive and feasible Provincial Information Society Strategies.

**Target Country:** South Africa

**Main partners:** Ministry for Foreign Affairs Finland (MFA), PNC on ISAD, Department of Communications (DoC) South Africa, provincial governments of Northern Cape and Limpopo

**Funding:** 4,07 M€ for period 2008-2010

**15.2.1.5 CSBKE (Creating Sustainable Business in the Knowledge Economy)**

This programme was focused on improving capacity of Sub-Saharan business incubators in mobile applications development, social networking and market deployment.

**Target Countries:** Southern and Eastern Africa, pilots in Tanzania, Mozambique and South Africa

**Main Partners:** Ministry for Foreign Affairs Finland (MFA), InfoDEV Programme, Nokia Corporation

**Funding:** Global programme of which 3,3 M€ allocated to Africa from MFA for period 2010-2012

**15.2.2 Germany**

ict@innovation<sup>45</sup> was focused on building capacities in African Small and Medium sized ICT enterprises in relation to using Free and Open Source Software (FOSS) by spreading FOSS business models for enterprises in Africa, fostering FOSS certification and supporting innovative local FOSS applications for social and economic development.

**Target Countries:** Eastern and Southern Africa (Kenya, Malawi, Mozambique, Rwanda, South Africa, Tanzania, Uganda, Ethiopia, Namibia, Zambia)

**Main partners:** Partnership of FOSSFA (Free Software and Open Source Foundation for Africa) and InWEnt - Capacity Building International on behalf on behalf of German Federal Ministry of Economic Cooperation (BMZ), the Open Society Initiative for Southern Africa (OSISA).

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<sup>45</sup> <http://www.ict-innovation.fossfa.net/>



**Funding:** 1.6m euro from German Federal Ministry of Economic Cooperation (BMZ), 2008 – 2010 first phase

## 15.3 Other Funding Mechanisms

### 15.3.1 Framework Programme 7

The Department of Science and Technology South Africa is a beneficiary of the IST-Africa Initiative since 2007. DST also runs the ESASTAP Programme to encourage take up of opportunities under the Framework Programme in South Africa and is a beneficiary of CAAST-Net & CAAST-Net Plus.

Up to November 2013 South Africa has successfully secured participation in **189** FP7 projects in ICT (19 projects), INCO (11 projects), Energy (5 projects), Environment (28 projects), EURATOM-FISSION (4 projects), Health (30 projects), Infrastructure (11 projects), Food, Agriculture and Biotechnology KBBE (32 projects), NMP (3 projects), People (8 projects), Security (2 projects), Science in Society (5 projects), SME (3 projects), Space (9 projects), Social Sciences (12 projects), Transport (7 projects). Up to September 2013, South African organisations had secured **€37.3 million** in funding under FP7.

As at 31 December 2013, the following projects are now completed:

- **ICT: IST-AFRICA Initiative** 2007 - 2009 (Department of Science and Technology) Support action, **IST-AFRICA Initiative** 2009 - 2012 (Department of Science and Technology) Support action, **AIDA** 2008 - 2010 (Council for Scientific and Industrial Research) Coordination and support action, **DIGITALWORLD** 2008 - 2009 (Council for Scientific and Industrial Research) Coordination and support action, **EUROAFRICA-ICT** 2008 - 2009 (Council for Scientific and Industrial Research) Coordination and support action, **EUROAFRICA-ICT.ORG** 2010 - 2011 (Council for Scientific and Industrial Research) Coordination and support action, **FLOSSINCLUDE** 2008 - 2010 (University of the Western Cape) Coordination and support action, **GRIFS** 2008 - 2009 (GS1 South Africa) Coordination and support action, **IRMA** 2008 - 2011 (Council for Scientific and Industrial Research) Collaborative project, **OSIRIS** 2010 - 2011 (Council for Scientific and Industrial Research) Coordination and support action, **S-PULSE** 2008 - 2010 (Stellenbosch University) Coordination and support action, **VOICES** 2011 - 2013 (Council for Scientific and Industrial Research & Noordwes -Universiteit) Collaborative project; **AUTOPROFIT** 2010 - 2013 (Sasol Synfuels (PTY)) Collaborative project (generic), **EUROAFRICA-P8** 2012 - 2013 (Council for Scientific and Industrial Research) Coordination and support action, **MASSIF** 2010 - 2013 (T -Systems South Africa (PTY) Ltd) Collaborative project (generic);
- **Energy: COCATE** 2010 - 2012 (South African National Energy Research Institute Proprietary Limited) Collaborative project (generic);
- **INCO: ABESTII** 2009 - 2012 (Department of Science and Technology) Support actions, **CAAST-NET** 2008 - 2012 (Department of Science and Technology & Research Research

(Africa) (PTY) Ltd) Coordination and support action, **ESASTAP2** 2008 - 2012 (Department of Science and Technology) Support actions, **INCOFISH** 2005 – 2008 (University of the Western Cape & Marine and Coastal Management Branch of Environmental Affairs and Tourism) Specific Targeted Research Project, **INCONTACT** 2008 - 2009 (Department of Science and Technology) Support actions, **SACCESS** 2009 - 2012 (Department of Science and Technology) Support actions;

- **Environment:** **AEGOS** 2008 - 2011 (Council for Geoscience) Coordination and support action, **DEVCOCAST** 2008 - 2011 (Council for Scientific and Industrial Research & University of Cape Town) Support actions, **EBONE** 2008 - 2012 (Council for Scientific and Industrial Research) Small or medium-scale focused research project, **EO2HEAVEN** 2010 - 2013 (University of Kwazulu Natal & Council for Scientific and Industrial Research) Collaborative project, **GEONETCAB** 2009 - 2013 (Umvoto Africa (PTY) Ltd & Council for Scientific and Industrial Research) Support actions, **IMPRINTS** 2009 - 2012 (University of Kwazulu-Natal) Small or medium-scale focused research project, **IWWA** 2010 - 2012 (Influential Inputs Cc) Coordination and support action, **LIVEDIVERSE** 2009 - 2012 (Council for Scientific and Industrial Research) SICA, **MEECE** 2008 - 2013 (University of Cape Town) Large-scale integrating project, **PRACTICE** 2009 - 2012 (Noordwes Universiteit) Support actions, **QWECI** 2010 - 2013 (University of Pretoria) Collaborative project; **CLUVA** 2010 - 2013 (Council for Scientific and Industrial Research) Collaborative project, **DEWFORA** 2011 - 2013 (Council for Scientific and Industrial Research & Wv Nyabeze and Associates) Collaborative project, **EO-MINERS** 2010 - 2013 (Council for Geoscience & Anglo Operations Limited) SICA, **FUME** 2010 - 2013 (South African National Biodiversity Institute) Collaborative project,
- **EURATOM-FISSION:** **CARBOWASTE** 2008 - 2013 (Outh African Nuclear Energy Corporation Limited & Pebble Bed Modular Reactor Company (PTY) Ltd) Collaborative project (generic), **EUROPAIRS** 2009 - 2011 (Noordwes-Universiteit) Support actions; **NUCL-EU** 2009 – 2013 (South African Nuclear Energy Corporation Limited) Coordination (or networking) actions;
- **Health:** **AMASA** 2010 - 2013 (University of the Western Cape) Collaborative project, **ATP** 2009 - 2013 (South African Medical Research Council), **CRIMALDDI** 2009 - 2011 (University of Cape Town) Coordination and support action, **EQUITABLE** 2009 - 2013 (Human Sciences Research Council of South Africa & Stellenbosch University & Secretariat of the African Decade of Persons With Disabilities) Collaborative project, **EUCO-NET** 2008 - 2010 (Stellenbosch University) Support actions, **GEN2PHEN** 2008 - 2013 (University of the Western Cape) Large-scale integrating project, **NOVSEC -TB** 2008 - 2011 (South African Medical Research Council) Small or medium-scale focused research project, **RN4CAST** 2009 - 2011 (Noordwes-Universiteit) Collaborative project, **TBSUSGENT** 2008 - 2012 (University of Cape Town Lung Institute PTY Ltd\*) Coordination (or networking) actions, **THINC** 2008 - 2012 (University of Kwazulu-Natal) Small or medium-scale focused research project;

- **INCO: ERAFRICA** 2010 - 2013 (Department of Science and Technology) Coordination and support action; **INCONTACT-ONE WORLD** 2010 - 2013 (Department of Science and Technology) Coordination and support action,
- **Infrastructure: BELIEF-II** 2008 - 2010 (Council for Scientific and Industrial Research) Coordination and support action, **EURORIS-NET** 2007 - 2011 (Department of Science and Technology) Coordination (or networking) actions, **IMPACT** 2008 - 2010 (University of Cape Town), **PAERIP** 2011 - 2013 (Technoscene (PTY) Ltd) Coordination and support action, **PREPSKA** 2008 - 2012 (National Research Foundation) Combination of CP and CSA, **RADIONET** -FP7 2009 - 2012 (National Research Foundation) Combination of CP and CSA; **CTA-PP** 2010 - 2013 (Noordwes Universiteit) Combination of CP and CSA, **EURORIS-NET+** 2011 - 2013 (Department of Science and Technology) Coordination and support actions,
- **KBBE: ARBO-ZOONET** 2008 - 2012 (National Health Laboratory Services) Coordination and support action, **ASFRISK** 2008 - 2011 (Agricultural Research Council (ARC)) Small or medium-scale focused research project, **BIO CIRCLE** 2008 - 2011 (Council for Scientific and Industrial Research) Coordination and support action, **BIO CIRCLE 2** 2011 - 2013 (Department of Science and Technology) Coordination and support action, **BRIGHTANIMAL** 2009 - 2011 (Consumer Goods Council of South Africa) Coordination (or networking) actions, **JOLISAA** 2010 - 2013 (University of Pretoria) Coordination and support action, **PLAPROVA** 2009 - 2012 (University of Cape Town) SICA, **QBOL** 2009 - 2012 (Stellenbosch University) Small or medium-scale focused research project, **SUNRAY** 2011 - 2012 (Noordwes -Universiteit) Coordination and support action, **TB -STEP** 2008 - 2012 (University of Pretoria) Small or medium-scale focused research project, **TXOTX** 2008 - 2011 (University of Cape Town) Coordination and support action; **INSTAPA** 2008 - 2013 (University of Kwazulu -Natal) Collaborative project, **MYCORED** 2009 - 2013 (South African Medical Research Council) Collaborative project, **SWEETFUEL** 2009 - 2013 (Agricultural Research Council (ARC)) SICA,
- **NMP: CAPWA** 2010 – 2013 (Sappi Ltd) Collaborative project, **NATIOMEM** 2010 – 2013 (Umgeni Water) Small or medium-scale focused research project;
- **People: GEO-INSTALL** 2009 - 2013 (Stellenbosch University) Industry-Academia Partnerships and Pathways (IAPP); **AIM** 2009 - 2013 (Iss International Limited) Industry-Academia Partnerships and Pathways (IAPP), **GATEWAYS** 2009 - 2013 (University of Cape Town) Networks for Initial Training (ITN),
- **Security: SEREN** 2008 - 2009 (Council for Scientific and Industrial Research) Coordination (or networking) actions; **SEREN 2** 2011 - 2013 (Council for Scientific and Industrial Research) Coordination (or networking) actions;
- **Science in Society: EUROSIS** 2008 - 2010 (Human Sciences Research Council of South Africa) Coordination (or networking) actions, **NANOCODE** 2010 - 2011 (Department of Science and Technology) Support actions;

- **SME: DEAMMRECIRC** 2011 - 2012 (Act of Grace 128) Research for SMEs, **OPTITEMPTANK** 2008 - 2011 (Talbot & Talbot (PTY) Limited) Research for SMEs, **RPC -HVTS -DCS** 2009 - 2011 (University of the Witwatersrand Johannesburg);
- **Space: EAMNET** 2010 - 2013 (University of Cape Town) Coordination and support action, **GARNET -E** 2010 - 2012 (South Africa National Space Agency, Eis -Africa, A Network for the Co -Operative Management of Environmental Information & Council for Scientific and Industrial Research & African Association of Remote Sensing of the Environment) Coordination and support action, **GLOWASIS** 2011 - 2013 (University of Kwazulu Natal) Collaborative project (generic), **MALAREO** 2011 - 2013 (South African Medical Research Council & University of Kwazulu Natal) Collaborative project, **WATPLAN** 2011 - 2013 (University of Kwazulu Natal) Collaborative project; **BRAGMA** 2012 - 2013 (Department of Science and Technology) Coordination and support action, **EU-UNAWA** 2011 - 2013 (National Research Foundation) Coordination action,
- **Social Sciences: EU-GRASP** 2009 - 2012 (Institute for Security Studies) Small or medium-scale focused research project, **INGINEUS** 2009 - 2011 (University of Pretoria & Human Sciences Research Council of South Africa) Large-scale integrating project, **MERCURY** 2009 - 2012 (University of Pretoria) Small or medium-scale focused research project, **NET4SOCIETY** 2008 - 2011 (Human Sciences Research Council of South Africa) Coordination (or networking) actions;
- **Transport: AEROAFRICA -EU** 2009 - 2011 (University of the Witwatersrand Johannesburg & Department of Science and Technology) Support actions, **ALFA-BIRD** 2008 - 2012 (Sasol Technology (PTY.) Limited) Small or medium-scale focused research project, **FFAST** 2010 - 2013 (Council for Scientific and Industrial Research & University of Cape Town) Small or medium-scale focused research project, **FUTURE** 2008 - 2012 (Council for Scientific and Industrial Research & Stellenbosch University) Small or medium-scale focused research project, **SIMBA II** 2008 - 2010 (Council for Scientific and Industrial Research) Support actions, **STADIUM** 2009 - 2013 (Council for Scientific and Industrial Research & Multimedia Innovations (PTY) Ltd & Saha International (SA) PTY Ltd) SICA

As at 31 December 2013, 84 projects are still running:

- **ICT: IST-Africa Initiative** 2011 - 2013 (Department of Science and Technology) Support action, **IST-Africa Initiative** 2014 - 2015 (Department of Science and Technology) Support action, **Trescimo** 2014 - 2015 (CSIR, University of Cape Town, Eskom Holdings Ltd), Collaborative project, **MOSAIC 2B** 2013 - 2015 (University of Pretoria, Infusion Knowledge Hub (Pty) Ltd), Collaborative project
- **Energy: ENEXAL** 2010 - 2014 (Lindbergh Trading (Proprietary) Limited) Collaborative project (generic), **OCTAVIUS** 2012 - 2017 (Ecometrix Africa Ltd) Collaborative project (generic), **TOPS**

2013 – 2016 (Golder Associates Africa PTY Ltd) Collaborative project (generic); **STAGE-STE**  
2014 - 2018 (Stellenbosch University), CPCSA

- **Environment: AFRICAN CLIMATE** 2011 - 2014 (University of the Witwatersrand Johannesburg & Food Agriculture and Natural Resources Policy Analysis Network) Support actions, **AFROMAISON** 2011 - 2014 (University of Kwazulu -Natal & Institute of Natural Resources Association) Collaborative project, **AGRICAB** 2011 - 2015 (Council for Scientific and Industrial Research) Collaborative project, **CARBOCHANGE** 2011 - 2015 (Council for Scientific and Industrial Research) Large-scale integrating project, **CLARA** 2011 - 2014 (Water Research Commission) Collaborative project, **CLIMAFRICA** 2010 - 2014 (University of Cape Town) Collaborative project, **EOPOWER** 2013 – 2015 (South Africa National Space Agency) Coordination (or networking) actions, **GMOS** 2010 - 2015 (South African Weather Service) Collaborative project, **GREENSEAS** 2011 - 2013 (Council for Scientific and Industrial Research & University of Cape Town) SICA, **HEALTHY FUTURES** 2011 - 2014 (University of Cape Town) Collaborative project, **WHATER** 2011 - 2014 (University of Kwazulu Natal) Collaborative project; **PREFACE** 2013 - 2017 (University of Cape Town), Collaborative project, **LUC4C** 2013 - 2017 (University of Cape Town), Collaborative Project
- **EURATOM-FISSION: NC2I-R** 2013 – 2015 (Noordwes-Universiteit) Coordination (or networking) actions,
- **Health: ARCADE HSSR** 2011 - 2015 (Stellenbosch University) Coordination and support action, **ARCADE RSDH** 2011 - 2015 (Stellenbosch University) Coordination (or networking) actions, **CCH FEVER** 2010 - 2014 (National Health Laboratory Services) Small or medium-scale focused research project, **CHAARM** 2010 - 2014 (Council for Scientific and Industrial Research) Large-scale integrating project, **CHEPSAA** 2011 - 2015 (University of Cape Town & University of the Western Cape & University of the Witwatersrand Johannesburg) Coordination and support action, **DIFFER** 2011 - 2016 (University of the Witwatersrand Johannesburg) Collaborative project, **EMERALD** 2012 - 2017 (University of Cape Town & University of Kwazulu -Natal) SICA, **EVIMALAR** 2009 - 2014 (University of Pretoria) Network of Excellence, **GO4HEALTH** 2012 – 2015 (Section 27 Incorporating the Aids Law Project Association Section 21) Coordination (or networking) actions, **HARP** 2010 - 2014 (University of the Witwatersrand Johannesburg) SICA, **HURAPRIM** 2011 - 2015 (Wits Health Consortium (PTY) Ltd) Collaborative project, **MASCOT** 2011 - 2014 (University of the Witwatersrand Johannesburg) Coordination and support action, **MM4TB** 2011 - 2016 (University of Cape Town) Large-scale integrating project, **MUTHI** 2011 - 2014 (University of the Western Cape & Universiteit van die Oranje Vrystaat) Coordination and support action, **PATHCO** 2012 - 2017 (University of Cape Town) Small or medium-scale focused research project, **PREPARE** 2010 - 2014 (University of Cape Town & University of Limpopo) Collaborative project, **SDH-NET** 2011 - 2015 (University of the Witwatersrand Johannesburg) Coordination and support action, **TANDEM** 2013 - 2017 (Stellenbosch University) Small or medium-scale focused research project, **T-REC** 2011 - 2015 (Africa Society



for Blood Transfusion) Coordination and support action, **UNITAS** 2011 - 2015 (University of Kwazulu -Natal & University of the Witwatersrand Johannesburg & University of Cape Town) Collaborative project;

- **INCO: CAAST-NET PLUS** 2013 - 2016 (Department of Science and Technology & Research Africa PTY Ltd) Coordination (or networking) actions, **ESASTAP PLUS** 2012 - 2015 (Department of Science and Technology, Academy of Science of South Africa & Southern African Research and Innovation Management Association) Support actions, **INCONTACT 2020** 2013 – 2015 (Department of Science and Technology) Coordination action;
- **Infrastructure: IS-ENES2** 2013 – 2017 (University of Cape Town) Combination of CP and CSA, **RADIONET3** 2012 - 2015 (National Research Foundation) Combination of CP and CSA, **SUP@VAMDC** 2012 - 2014 (University of South Africa) Coordination and support actions;
- **KBBE: ADVANZ** 2012 - 2015 (University of Kwazulu -Natal) Support actions, **AFTER** 2010 - 2014 (Council for Scientific and Industrial Research) Collaborative project, **AGROCOS** 2010 - 2014 (Council for Scientific and Industrial Research) Small or medium-scale focused research project, **ANIMALCHANGE** 2011 - 2015 (University of Pretoria) Collaborative project, **BIOWASTE4SP** 2012 - 2015 (Council for Scientific and Industrial Research & Ethekewini Municipality) SICA, **EAU4FOOD** 2011 - 2015 (Council for Scientific and Industrial Research & Stellenbosch University) Collaborative project, **FRUIT BREEDOMICS** 2011 - 2015 (Agricultural Research Council (ARC)) Large-scale integrating project, **GRACE** 2012 - 2015 (Council for Scientific and Industrial Research) Large-scale integrating project, **ICONZ** 2009 - 2014 (Stellenbosch University) Collaborative project, **MODEXTREME** 2013 – 2016 (University of Pretoria) Small or medium-scale focused research project, **OH-NEXTGEN** 2011 - 2015 (University of Pretoria) Coordination and support action, **ORBIVAC** 2010 - 2014 (Deltamune (PTY) Ltd) Small or medium-scale focused research project, **PARAVAC** 2011 - 2015 (Agricultural Research Council (ARC)) Collaborative project, **PHARMASEA** 2012 - 2016 (University of the Western Cape) Collaborative Project targeted to a special group (such as SMEs), **PLANTLIBRA** 2010 - 2014 (Council for Scientific and Industrial Research) SICA, **TESTA** 2012 - 2016 (University of Pretoria) Small or medium-scale focused research project, **VEG-I-TRADE** 2010 - 2014 (University of Pretoria & Council for Scientific and Industrial Research) Collaborative project; **MAREFRAME** 2014 - 2017 (University of Cape Town), Collaborative Project
- **NMP: NANOSOLUTIONS** 2013 – 2017 (Noordwes-Universiteit & National Health Laboratory Services) Large-scale integrating project;
- **People: CODEMISUSED** 2013 – 2017 (South African Medical Research Council & The Leading Pharmacy (PTY) Ltd) Industry-Academia Partnerships and Pathways (IAPP), **I4S** 2013 - 2016 (University of Cape Town) Networks for Initial Training (ITN), **PODER** 2013 – 2017 (University of Cape Town) Networks for Initial Training (ITN), **PRIMO** 2013 – 2017 (Stellenbosch University)



Networks for Initial Training (ITN), **RADIOTRANSIENTS** 2012 – (University of Cape Town) International incoming fellowships (Return phase);

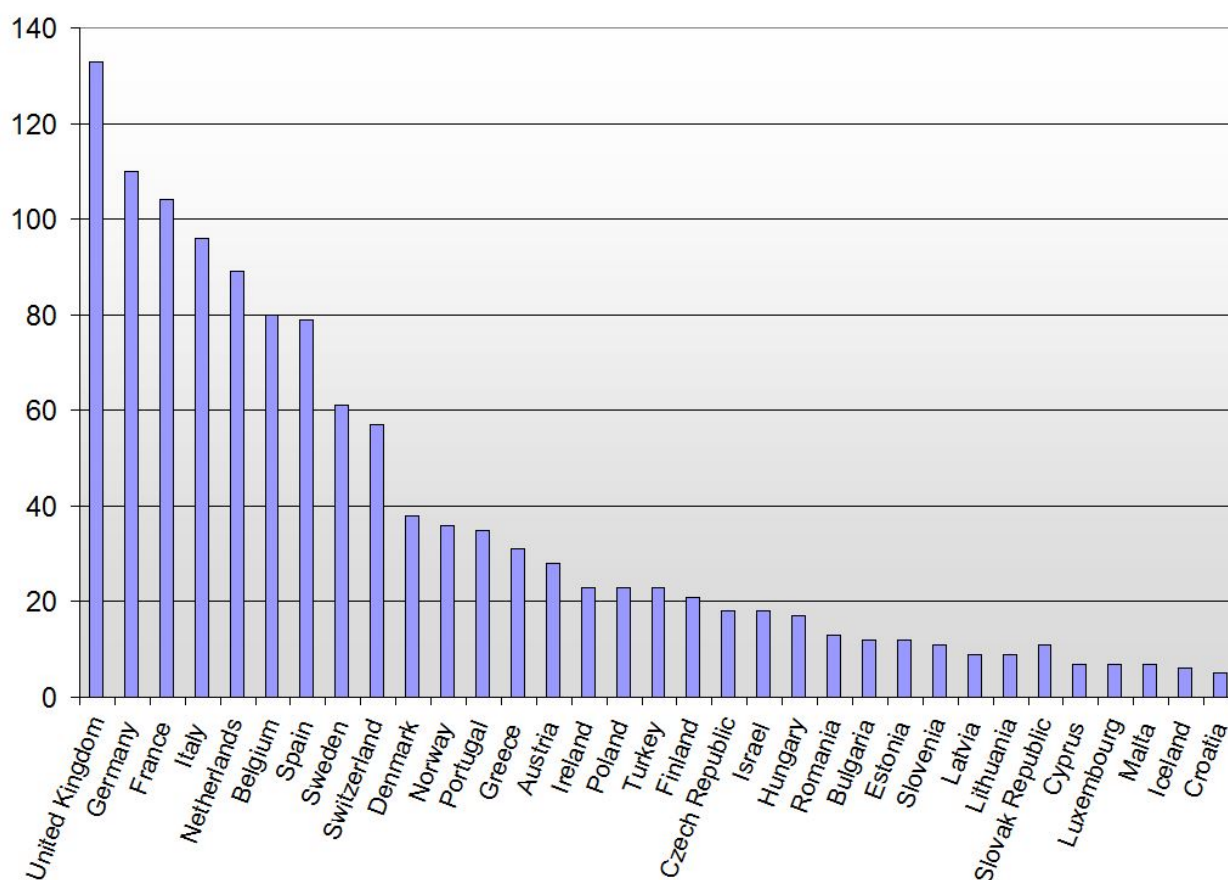
- **Science in Society: EJOLT** 2011 - 2015 (University of Kwazulu Natal) Coordination and support action, **PROGRESS** 2013 - 2016 (University of Cape Town & The South African San Institute Trust) Support actions; **FASMED** 2014 - 2016 (The AIMS Trust), Small or Medium-scale focused Research project
- **Space: DEORBIT SAIL** 2011 - 2014 (Stellenbosch University) Collaborative project (generic), **PLASMON** 2011 - 2014 (National Research Foundation) Collaborative project (generic);
- **Social Sciences: ATLANTIC FUTURE** 2013 - 2015 (University of Pretoria) SICA, **CHANCE2SUSTAIN** 2010 - 2014 (University of Kwazulu -Natal) SICA, **FESSUD** 2011 - 2016 (University of the Witwatersrand Johannesburg) Large-scale integrating project, **FRAME** 2013 – 2017 (University of Pretoria) Large-scale integrating project, **GREEN** 2011 - 2015 (University of Cape Town) Large-scale integrating project, **NOPOOR** 2012 - 2017 (University of Cape Town) Collaborative project; **SI-DRIVE** 2014 - 2017 (University of Cape Town), Large-scale Integrating Project; **MECODEM** 2014 - 2017 (Rhodes University), Small or Medium-scale focused Research project
- **Transport: NOVEMOR** 2011 - 2014 (Council for Scientific and Industrial Research) Small or medium-scale focused research project

European coordinators included: Foundation for Research and Technology Hellas, Greece (5 projects); London School of Hygiene and Tropical Medicine, United Kingdom (5 projects); Katholieke Universiteit Leuven, Belgium (4 projects); IIMC International Information Management Corporation Limited, Ireland (4 projects); Prins Leopold Instituut voor Tropische Geneeskunde, Belgium (3 projects); Universiteit Gent, Belgium (3 projects); Centre de Cooperation International en Recherche Agronomique pour le Developpement, France (3 projects); Institut National de la Recherche Agronomique, France (3 projects); Sigma Consultants, France (3 projects); Agenzia per la Promozione della Ricerca Europea, Italy (3 projects); Stichting dienst Landbouwkundig Onderzoek, Netherlands (3 projects); Universitetet I Bergen, Norway (3 projects); The University of edinburgh, United Kingdom (3 projects); Vlaamse Instelling Voor Technologisch Onderzoek N.V., Belgium (2 projects); Bureau de Recherches Geologiques et Minieres, France (2 projects); Geie eRCIM, France (2 projects); IFP Energies Nouvelles, France (2 projects); Institut de Recherche pour le Developpement, France (2 projects); Institut Pasteur, France (2 projects); Max Planck Gesellschaft zur Foerderung Der Wissenschaften e.V., Germany (2 projects); Ethniko Idryma Erevnon, Greece (2 projects); Consiglio Nazionale delle Ricerche, Italy (2 projects); Stichting Deltares, Netherlands (2 projects); Universitat Autonoma de Barcelona, Spain (2 projects); Karolinska Institutet, Sweden (2 projects); Association of Commonwealth Universities, United Kingdom (2 projects); King's College London, United Kingdom (2 projects); Liverpool School of Tropical Medicine, United Kingdom (2 projects); Plymouth Marine Laboratory, United Kingdom (2 projects); University of Leeds, United Kingdom (2 projects); and with **one project each**: Universitaet

fuer Bodenkultur Wien, Austria; Antea Belgium N.V., Belgium; Eabis - the Academy of Business in Society, Belgium; European Road Transport Telematics Implementation Coordination Organisation S.C.R.I., Belgium; Eurosense Belfotop N.V., Belgium; GS1 Aisbl, Belgium; Interdisciplinary Institute for Broadband Technology, Belgium; United Nations University - Comparative Regional Integration Studies, Belgium; Vlaamse Instelling Voor Technologisch Onderzoek N.V, Belgium; Geofyzikalni Ustav AV CR, V.V.I., Czech Republic; DHI, Denmark; Kobenhavns Universitet, Denmark; Teknologisk Institut, Denmark; Tyoeterveyslaitos, Finland; Centre National de la Recherche Scientifique (CNRS), France; Commissariat a l' Energie Atomique, France; Observatoire de Paris, France; Areva Np GMBH, Germany; Deutsche Gesellschaft fur Internationale Zusammenarbeit (Giz) Gmbh, Germany; Deutsches Zentrum fur Luft und Raumfahrt E.V., Germany; Eurescom-European Institute for Research and Strategic Studies in Telecommunications GMBH, Germany; European Association of Developmentresearch and Training Institutes - Eadi Europaischer Verband der Entwicklungs- Forschungs- und Ausbildungs, Germany; European Molecular Biology Laboratory, Germany; European Virtual Institute for Integrated Risk Management, Germany; Forschungszentrum Juelich GMBH, Germany; Fraunhofer-Gesellschaft zur Foerderung Der Angewandten Forschung e.V, Germany; Graphicsmedia.Net GMBH, Germany; Institut fuer Photonische Technologien E.V., Germany; Julius Kuhn-Institut Bundesforschungsinstitut fur Kulturpflanzen, Germany; Karlsruher Institut fuer Technologie, Germany; Leibniz Institut Für Meereswissenschaften An der Universität Kiel (Previously Institut fuer Meereskunde), Germany; Technische Universitaet Dortmund, Germany; Universitaet des Saarlandes, Germany; Universitaet Hamburg, Germany; Universitaet Paderborn, Germany; Verein zur Foerderung Des Technologietransfers an Der Hochschule Bremerhaven e.V., Germany; Wirtschaft und Infrastruktur GMBH & Co Planungs Kg, Germany; Alouminion AE, Greece; Euroscience Greek Regional Section, Greece; National and Kapodistrian University of Athens, Greece; Eötvös Loránd Tudományegyetem, Hungary; Matis OHF, Iceland; The Provost Fellows & Scholars of the College of the Holy and Undivided Trinity of Queen Elizabeth Near Dublin, Ireland; The Provost, Fellows, Foundation Scholars & the Other Members of Board of the College of the Holy & Undivided Trinity of Queen Elizabeth Near Dublin, Ireland; Waterford Institute of Technology, Ireland; AMRA - Analisi e Monitoraggio del Rischio Ambientale Scarl, Italy; Associazione Italiana per la Ricerca Industriale - AIRI, Italy; Centro Euro-Mediterraneo sui Cambiamenti Climatici Scarl, Italy; Fondazione Eni Enrico Mattei, Italy; Istituto di Studi per l'integrazione Dei Sistemi (Isis), Italy; Metaware Societa per Azioni, Italy; Universita Commerciale 'Luigi Bocconi'. , Italy; Universita Degli Studi di Milano, Italy; Universite Du Luxembourg, Luxembourg; Academisch Medisch Centrum Bij de Universiteit van Amsterdam, Netherlands; Kema Nederland Bv, Netherlands; Stichting Astronomisch Onderzoek in Nederland, Netherlands; Technische Universiteit Delft, Netherlands; Universiteit Leiden, Netherlands; Universiteit Maastricht, Netherlands; Universiteit Twente, Netherlands; Vereniging Voor Christelijk Hoger Onderwijs Wetenschappelijk Onderzoek en Patientenzorg, Netherlands; Wageningen University, Netherlands; Waterwatch Bv, Netherlands; Stiftelsen Nansen Senter for Fjernmaaling, Norway; Universitetet I Oslo, Norway; Narodowe Centrum Badan Jadrowych, Poland; Faculdade de

Medicina Veterinaria - Universidade Tecnica de Lisboa, Portugal; Instituto de Investigacao Cientifica Tropical, Portugal; Instituto Superior Tecnico, Portugal; Romanian Space Agency, Romania; Atos Origin Sociedad Anonima Espanola, Spain; Centre for International Information and Documentation in Barcelona, Spain; Centro de Investigaciones Energeticas, Medioambientales y Tecnologicas-Ciemat, Spain; Foodreg Technology SI, Spain; Fundacion Azti/Azti Fundazioa, Spain; Fundacion Centro de Estudios Ambientales Del Mediterraneo, Spain; Universidad Complutense de Madrid, Spain; Universidad de Castilla - la Mancha, Spain; Universitat Politecnica de Catalunya, Spain; Kungliga Tekniska Hogskolan, Sweden; Linkopings Universitet, Sweden; Smittskyddsinstitutet, Sweden; Council on Health Research for Development Association, Switzerland; Cyklar-Stulz GMBH, Switzerland; Ecole Polytechnique Federale de Lausanne, Switzerland; Universite de Geneve, Switzerland; Imperial College of Science, Technology and Medicine, United Kingdom; Infoterra Limited, United Kingdom; John Innes Centre, United Kingdom; Moredun Research Institute, United Kingdom; Science and Technology Facilities Council, United Kingdom; Spi Play (Europe) Limited, United Kingdom; St George's Hospital Medical School, United Kingdom; The Secretary of State for Environment, Food and Rural Affairs, United Kingdom; The University of Liverpool, United Kingdom; The University of Warwick, United Kingdom; University College London, United Kingdom; University of Bristol, United Kingdom; University of Central Lancashire, United Kingdom; University of Glasgow, United Kingdom; University of Leicester, United Kingdom; University of Newcastle Upon Tyne, United Kingdom; University of Strathclyde, United Kingdom and University of Surrey, United Kingdom.

South Africa - Number of FP7 Projects with EU Participants by Country



The diagram above provides an overview of the number of FP7 proposals that involved partners from different European and Associated Countries with participants from South Africa.

One thousand and ninety seven (**1,097**) European and Associated Country organisations partnered with South African organisations in successful FP7 projects. The most prominent organisations that were involved in multiple projects included: Deutsches Zentrum fur Luft und Raumfahrt E.V., Germany (18 projects); Institut de Recherche pour le Developpement, France (17 projects); Agenzia per la Promozione della Ricerca Europea, Italy (15 projects); Stichting dienst Landbouwkundig Onderzoek, Netherlands (14 projects); Turkiye Bilimsel Ve Teknolojik Arastirma Kurumu, Turkey (13 projects); Centre de Cooperation International en Recherche Agronomique Pour le Developpement, France (12 projects); Centre National de la Recherche Scientifique (CNRS), France (12 projects); Consiglio Nazionale Delle Ricerche, Italy (12 projects); The Chancellor, Masters and Scholars of the University of Oxford, United Kingdom (11 projects); JRC -Joint Research Centre- European Commission, Belgium (10 projects); Commissariat a l' Energie Atomique, France (10 projects); Max Planck Gesellschaft zur Foerderung der Wissenschaften E.V., Germany (10 projects); Foundation for Research and Technology Hellas, Greece (10 projects); Karolinska Institutet, Sweden (10 projects); The University of Manchester, United Kingdom (10 projects); Danmarks Tekniske Universitet, Denmark (9 projects); Institut National de la Recherche Agronomique, France (9 projects); Fraunhofer-Gesellschaft zur Foerderung der Angewandten Forschung E.V, Germany (9 projects); Norges Forskningsrad, Norway (9 projects); London School of Hygiene and Tropical

Medicine, United Kingdom (9 projects); Natural Environment Research Council, United Kingdom (9 projects). The full list of all European partner organisations is available in Annex 1 of this Report.



## 16. SWAZILAND

### 16.1 Introduction

The Kingdom of Swaziland is a landlocked country in Southern Africa, bordered by South Africa to the North, South and West and Mozambique to the East. Swaziland consists of four administrative districts namely Hhohho, Manzini, Lubombou, and Shiselweni as shown in the map. It has a surface area of 17,363 square kms. The population is estimated at 1,403,362 inhabitants (July 2013 CIA World FactBook) with a literacy rate of 87%. 59 percent of the total population is between 15 and 64 years of age. Mbabane, the capital city, has a population of 74,000 (2009, CIA World Factbook). The official languages are English and Siswati. Swaziland is classified as a low middle-income developing country with a GDP per capita of US\$5,700 (2012 est).



Regional cooperation is the powerful tool that enables Swaziland to bravely embrace the challenges and opportunities of the globalizing economy. Swaziland is a Member State of the Southern African Development Community (SADC), the Common Market for Eastern and Southern Africa (COMESA). The economy of Swaziland faces serious challenges. Manufacturing and mining in general have been in decline and unemployment is rising. Outside of agriculture, there are relatively few prospects for the significant numbers of young job-seekers entering the labour market.

There is one public university (the University of Swaziland) and three private institutions of Higher Education: The Southern Nazarene University, Limkokwing University and the Christian Medical University, which opened in August 2013.

### 16.2 Bilateral Cooperation

Overseas Development Assistance for Swaziland comes mainly from the African Development Bank, European Union under the EU Delegation, Japan (JICA), Republic of China/Taiwan, the traditional UN institutions (UNESCO, UNDP, UNICEF, WHO, and WFP), United States (USAID, Global Fund), the World Bank and the Import Export Bank of India (EXIM Bank of India). Bilateral Support in relation to ICT activities is currently primarily from Republic of China on Taiwan and India.

The table below summarises the main areas where each donor is currently focused:



NAME OF COOPERATING PARTNER	AREA OF ASSISTANCE
African Development Bank	Water, Agriculture, Infrastructure
European Union	Education and Training, Water and sanitation, Agriculture, infrastructure, Social protection, Governance
Japan (JICA)	Education and Training, Health, Water and Sanitation, Agriculture.
Republic of China/Taiwan	Education and Training, Health, Water and Sanitation, Agriculture, Infrastructure, Commerce Industry and Trade, Governance, Science and Technology
(UNESCO, UNDP, UNICEF, WHO, and WFP)	Education and Training, Health, Water and Sanitation, Agriculture, Governance, Science and Technology
USAID	Water and Sanitation, Commerce industry and Trade, Public Order and Safety, Housing and Community Development
Global Fund	Health
The World Bank	Health, Social protection, Governance
Import Export Bank of India (EXIM Bank of India)	Education and Training, Agriculture, Science and Technology

### 16.2.1 Development Funds for Science and Technology

The Republic of China on Taiwan has been the main cooperating partner in the area of Science and Technology and has provided grants for infrastructure development, Education and Training and provision of hardware and software.

UNESCO has provided direct assistance for the recently approved National Policy on Science, Technology and Innovation (STI).

Swaziland has benefited from human resources development programmes mounted by SADC and the AU in cooperation with many other partners.

The EXIM Bank of India is a more recent player in this area (March 2010) and is providing low interest loans for the development of Information Technology Park (US\$20million)

## 16.3 Other Funding Mechanisms

### 16.3.1 Framework Programme 7

The Ministry of Information Communication Technology is a beneficiary under IST-Africa since 2011. Participation in IST-Africa facilitated MICT to host an IST-Africa FP7 Training Workshop in Mbabane in November 2011 focused on FP7-ICT-Calls 8 - 9 and undertake a consultation with the research community to map expertise. As part of its ongoing IST-Africa activities MICT circulates updates on open Calls for Proposals as they are available, encourages the research community to explore these opportunities for international research projects, promotes the research centres during international meetings and has undertaken a mapping of skills.

Up to November 2013 Swaziland has successfully secured participation in **3** projects in FP7: ICT (2 project) and Space (1 project).

As at 31 December 2013, the following project is now completed:

- **Space: MALAREO** 2011 – 2013 (Ministry of Health) Collaborative project;

As at 31 December 2013, two projects are still running:

- **ICT: IST-Africa Initiative** 2011 – 2013 (Ministry of Information Communications & Technology) Support action; **IST-Africa Initiative** 2014 – 2015 (Ministry of Information Communications & Technology) Support action

European and Associated Country organisations who partnered with Swaziland organisations in successful FP7 projects included: IIMC International Information Management Corporation Limited (**Ireland**); Eurosense Belfotop N.V. (**Belgium**); Remote Sensing Solutions GmbH (**Germany**) and Schweizerisches Tropen- und Public Health-Institut (**Switzerland**).

## 17. REPUBLIC OF TANZANIA

### 17.1 Introduction

The United Republic of Tanzania is situated in East Africa, with borders with Kenya, Uganda, Rwanda, Burundi, Democratic Republic of Congo, Zambia and Mozambique. It has a surface area of 947,300 sq km, made up to 30 administrative divisions. The population is estimated at 48.2 million (2013, CIA World Factbook) with a literacy rate of 67.8%. 52.2% of the total population is between 15 – 64 years of age. Dar es Salaam has a population of 3.2 million (2009, CIA World Factbook). Dodoma is the official capital and home to Tanzanian Parliament while the Government Ministries and major institutions and diplomatic missions are located in Dar es Salaam. Zanzibar has its own government and its own Ministry of Education and several other ministries, which do not fall under union matters. The official languages are Swahili and English (primary language for business, Government affairs and Higher Education).



The Government of Tanzania recognises the importance of ICT and Innovation to support socio-economic development and has undertaken a revision of the Science Technology and Innovation (STI) Policy will incorporate Entrepreneurship and the national ICT Policy of 2003 is under review as part of the development of a new implementation strategy.

The digital infrastructure in Tanzania has improved significantly with the fibre-optic network, investment in local Internet Exchange Points, migration to IPv6 and construction of the National ICT Backbone (NICTBB), which is now over 95% complete. NICTBB connected to SEACOM in July 2009 and EASSY in April 2010. There is extensive use of VSAT Internet, GSM, 3G, 4G, LTE and Microwave.

The Tanzania Development Vision 2025 highlights the importance of leveraging ICT alongside the necessary skills and capabilities to realise a well-educated and learning society; and a strong, competitive economy capable of sustainable growth and shared benefits.

ICT Initiatives are currently ongoing at national level in the areas of eInfrastructure and Education (Science, Technology and Higher Education Program, Tanzania National Research and Education Network, eLibraries, Education Management Information System, National ICT Backbone), eHealth, Information Society & Entrepreneurship (TANZICT project, Dar TEKnohama Business ICT Incubator. KINU) and the Tanzania ICT Technology Park. More information in relation to these activities are outlined in a complementary IST-Africa Study entitled “Guide to ICT Initiatives and Research Capacity in IST-Africa Partner Countries”, January 2014, ISBN: 978-1-905824-41-0.

There are 11 public Universities, 17 private Universities and 26 private institutions of Higher Education.

## 17.2 Bilateral Cooperation

Tanzania has bilateral cooperation agreements in place with Belgium, Denmark, Finland, France, Germany, Ireland, Italy, Netherlands, Norway, Sweden, United Kingdom, India, Japan and South Korea. The World Bank and the European Union are the two major multilateral donors. Bilateral Support for ICT-related activities is primarily provided by Finland, Sweden and Norway. Germany provided support to the regional *ict@innovation* Open Source Project and Ireland provided support to the Young Scientist Competition.

### 17.2.1 Finland

Finland is actively involved in ICT initiatives in Tanzania. A programme preparation phase was undertaken during 2009 – 2010 to prepare for the launch of TANZICT, which commenced in September 2011.

#### 17.2.1.1 CSBKE (*Creating Sustainable Business in the Knowledge Economy*)

This programme is focused on improving capacity of Sub-Saharan business incubators in mobile applications development, social networking and market deployment.

**Target Countries:** Southern and Eastern Africa, pilots in Tanzania, Mozambique and South Africa

**Main Partners:** Ministry for Foreign Affairs Finland (MFA), InfoDEV Programme, Nokia Corporation

**Funding:** Global programme of which 3,3 M€ allocated to Africa from MFA for period 2010-2012

#### 17.2.1.2 Information Society and ICT Sector Development Programme

This Programme is focused on providing technical assistance for the deployment of ICT policy and strategy.

**Target Country:** Tanzania

**Main Partners:** Ministry for Foreign Affairs Finland (MFA), Ministry of Communication, Science & Technology of Tanzania

**Funding:** 500 k€ 2009-2010 (programme preparation phase)

#### 17.2.1.3 TANZICT<sup>46</sup>

TANZICT<sup>47</sup> is an Information Society and ICT Sector development bi-lateral project between the Government of Tanzania and the Government of Finland, which is hosted by COSTECH and commenced in August 2011. It is focused on strengthening the Tanzania Information Society through a revision of the national ICT Policy and associated Implementation, strengthening the institutional capacity of MCST and creating a Tanzania Innovation programme. It has created a

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<sup>46</sup> <http://tanzict.or.tz/>

<sup>47</sup> <http://tanzict.or.tz/>

community spirit through support for pre-Incubation, training for women entrepreneurs, community events and hands-on support.

TANZICT set up an open Innovation Space and pre-Incubation space on the ground floor of COSTECH, which was officially opened on 31 October 2011. The Innovation Space provides co-working space with Wi-Fi Internet access for up to 40 people and a meeting space for up to 60 people. There are quite a lot of participants from the College of ICT working in the Innovation Space, which is very actively used on a daily basis from 8am – 10pm and 9am – 6pm on weekends.

TANZICT co-operated with IIMC in relation to the second IST-Africa Living Lab Workshop<sup>48</sup> in Dar es Salaam in May 2012. TANZICT is providing hands on support to emerging Living Labs in Iringa, Kigamboni, Mwanza, Mbeya, Zanzibar and Arusha.

TANZICT launched the FEMTANZ 3 month Programme in December 2012 to provide business support training to women who wish to establish the grow their own technology-enabled businesses. Participants came together in Dar es Salam for three 2.5 day workshops during December 2012, January 2013 and February 2013. The initial training was provided by Tina James and Jill Sawers of FEMTECH. Fifteen people were involved in the first course, which was provided free of charge in English and three people were trained as trainers. In the future it may be necessary to translate the materials into Swahili.

TANZICT and COSTECH launched an ICT Innovation Fund to provide seed funding to develop a prototype or pilot a service, with the first Calls for applications closing in November 2012. A good response was received to this competitive Call with 25 applications submitted of which twelve were interviewed and six selected for funding with grants between 7,000 - 10,000 USD. The selection committee comprised of COSTECH and TANZICT staff and private sector representation. The grant is focused on funding development of a prototype, technical work and technical skills but is not aimed at supporting the running costs of a start-up. It is a requirement that the recipient is hosted at an existing Incubator or Hub such as DTBI, TANZICT pre-incubatees, university incubator or KINU Innovation Hub that can provide mentoring and monitor their progress. The first cohort of six grantees was announced in April 2013 with funding of fifty thousand euro in total.

TANZICT and DTBI launch joint Call for Pre-Incubation and Incubation.

**Target Country:** Tanzania

**Main Partners:** Ministry for Foreign Affairs Finland (MFA), Ministry of Communication, Science & Technology of Tanzania, COSTECH

**Funding:** Government of Finland, 5 million euro (Sept 2011 – August 2015)

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<sup>48</sup> [http://www.ist-africa.org/home/files/ISTAfrica2012\\_LivingLabsWorkingGroupMeetingReport.pdf](http://www.ist-africa.org/home/files/ISTAfrica2012_LivingLabsWorkingGroupMeetingReport.pdf)

## 17.2.2 Norway

### 17.2.2.1 *Health Informatics Systems Programme*

In order to strengthen the collection and handling of health information and improving health services management, the Ministry of Health and Social welfare, the University of Dar es Salaam and the University of Oslo, implemented and rolled out of DHIS throughout the health sector including all facilities, districts and regions.

**Target Country:** Tanzania

**Main Partners:** University of Dar es Salaam, School of Informatics and Communication Technologies in cooperation with University of Oslo

**Funding:** Embassy of Norway in Tanzania, University of Oslo

### 17.2.2.2 *Masters Programme in Health Informatics*

In an effort to build capacity of health managers and health professional in ICT the University of Dar es Salaam School of Informatics, School of Public Health and Social Science MUHAS and the University of Oslo is offering a Masters Programme in Health Informatics already underway to cater for lower level cadre.

**Target Country:** Tanzania

**Main Partners:** University of Dar es Salaam, School of Informatics and Communication Technologies, Muhimbili University of Health and Allied Sciences (MUHAS) School of Public Health in cooperation with University of Oslo

**Funding:** NORAD

## 17.2.3 Sweden

Swedish International Development Agency (SIDA) is funding a number of ICT-related initiatives that are being implemented by COSTECH, Ministry of Education and Vocational Training, Ministry of Communications, Science and Technology Open University of Tanzania, Dar es Salaam Institute of Technology and Tanzania Communication Regulatory Authority.

### 17.2.3.1 *TANSENE for Post Doctoral Support*

As a result of the government decision to invest in research, COSTECH has been able to attract external funding of research for development. Tanzania, Sweden and the Netherlands have agreed to set a "Common Fund" named "TANSENE" for post doctoral support for scientists from Tanzania, Sweden and Netherlands. The fund has already attracted a total of Euro 1,800 millions in equal contributions as a pilot project. A joint first call for competitive research projects was made in June 2011, which allows the scientists and researchers from the three countries to jointly apply for grants.

**Funding:** Tanzania, Sweden and Netherlands



### **17.2.3.2 ICT for Rural Development**

ICT4RD<sup>49</sup> is a research and development project in the area of broadband connectivity to rural of Tanzania, utilizing available infrastructures mainly fibre optic and outdoor wireless. Its focus is improving services by making information easily available and accessible in the areas for education, health and local government management.

The main objective of the project is the establishment of sustainable broadband markets in rural areas offering connectivity, system integration and capacity building programmes, including project management skills, technology and entrepreneurship; in close cooperation with partners already working with healthcare, school, local administration and small and medium enterprises

The project has deployed Health Management Information System (HMIS) to health centres and district hospitals, which allows easy collection and analysis of information.

Other services deployed include an eLearning system in the secondary schools and hospitals. The eLearning supports guided learning and individual learning, teachers are using the platform to create and store content for students. Using the content on the server (repository), teachers, students as well as hospital staff use the platform for self-learning.

**Target Country:** Tanzania

**Main Partners:** Tanzania Commission for Science and Technology (COSTECH)

**Funding:** Swedish International Development Agency (SIDA)

### **17.2.3.3 ICT Leadership Project**

Following the adoption of the National ICT policy in 2003 it was realised that in order to implement ICT effectively participation of top leadership involvement is required for effective adoption of ICT. The project aimed at creating sensitization and awareness among decision makers at various levels enabling them to integrated ICT into the poverty reduction strategy.

**Target Country:** Tanzania

**Main Partners:** Tanzania Commission for Science and Technology (COSTECH)

**Funding:** Swedish International Development Agency (SIDA)

### **17.2.3.4 ICT in Teacher Training Colleges**

This project was implemented by the Ministry of Education and Vocational Training, with support from SIDA. It involved providing computer labs and broadband Internet connectivity to all Teacher Training Colleges, training of tutors in computer skills and offering computer training to all teacher trainees. The project was very successful. After the initial funding from SIDA the government has streamlined it and is being developed into a Teacher Professional Development Framework

**Target Country:** Tanzania

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<sup>49</sup> <http://www.ict4rd.ne.tz/>

**Main Partners:** Ministry of Education and Vocational Training

**Funding:** Swedish International Development Agency (SIDA)

#### **17.2.3.5 ICT Pilot in Secondary Schools**

This project intends to pilot the use of ICT in teaching and learning in secondary schools. Due to resource constraints 200 secondary schools will be used for piloting of ICT application

**Target Country:** Tanzania

**Main Partners:** Ministry of Education and Vocational Training

**Funding:** Swedish International Development Agency (SIDA)

#### **17.2.3.6 ICT Consultancy to Ministry of Education and Vocational Training**

The Ministry of Education and Vocational Training is in the preparation of the strategic plan and implementation plan on Information and Communication Technology (ICT) Policy for Basic Education. The ICT policy for Basic Education was adopted in 2007, an implementation plan is required to guide the implementation of the policy.

**Target Country:** Tanzania

**Main Partners:** Ministry of Education and Vocational Training

**Funding:** Swedish International Development Agency (SIDA)

#### **17.2.3.7 Mainstreaming of ICT**

The project provides an opportunity to document and show how Tanzania is successfully supporting its national development, poverty reduction, and reform efforts through ICT. The project focuses on high-level negotiations aimed at getting ICT champions in each priority sector.

**Target Country:** Tanzania

**Main Partners:** Ministry of Communication Science and Technology

**Funding:** Swedish International Development Agency (SIDA)

#### **17.2.3.8 Integrating ICT into OUT activities (Institutional Capacity Building)**

The Open University of Tanzania (OUT) is a distance learning institution whereby educational delivery is attained through various means of communication such as broadcasting, telecasting, Information and Communication Technologies (ICT), correspondence enhanced face to face, seminars, contact programmes

OUT is increasingly using e-Learning as a mode of delivery through the Learning Management system Moodle. It has recently received funding from SPIDER for the establishment of Tanzania's first e-learning center, which will be located at the Headquarters of OUT in Dar es Salaam. The E-learning Centre will focus initially on the building the capacity of the staff and then students from

OUT and other universities and colleges. SIDA will also support the capacity-building work of the E-learning Centre.

**Target Country:** Tanzania

**Main Partners:** Open University of Tanzania

**Funding:** Swedish International Development Agency (SIDA)

#### **17.2.3.9 Training of IT Technicians**

In order to meet the market demand for IT professionals, the Dar es Salaam Institute of Technology developed a special course for training IT technicians. This is a one-year course imparting skills in Computer maintenance.

**Target Country:** Tanzania

**Main Partners:** Dar es Salaam Institute of Technology

**Funding:** Swedish International Development Agency (SIDA)

#### **17.2.3.10 NET-TEL Africa<sup>50</sup> – Regulatory Support for ICT across Africa**

The project aims at strengthening and supporting the country's policy and regulatory environment in addition to promoting reform within the sector as a way of capitalizing on the benefits of increased access to international bandwidth.

**Target Country:** Tanzania

**Main Partners:** Tanzania Communication Regulatory Authority

**Funding:** Swedish International Development Agency (SIDA)

#### **17.2.3.11 Training in IT - Student or staff exchange programme**

The University of Eastern Finland, Technical University of Denmark, University of London and Helsinki University are cooperating with Tumaini University in relation to exchange of personnel and training in IT.

**Target Country:** Tanzania

**Main Partners:** Tumaini University with support from University of Eastern Finland (Prof. Matti Tedre), Technical University of Denmark (Prof. Henrik Lund), University of London / Royal Holloway (Prof. Tim Unwin) & Helsinki University (Dr. Tomi Pasanen)

#### **17.2.3.12 Open access: knowledge sharing and sustainable scholarly communication in Kenya, Tanzania and Uganda**

This project aims to raise visibility and accessibility of research outputs in Kenya, Tanzania and Uganda using free and open source software for open repositories and open access journals in

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<sup>50</sup> <http://www.nettelafrika.or.tz/>

higher education and research institutions. It aims to develop a sustainable network of open access champions and reinforce local capacity in the management of open access journals and repositories.

**Main Partners:** EIFL (Electronic Information for Libraries) in cooperation with Kenya Library and Information Services Consortium and Medical Students' Associations of Kenya (MSAKE), The Network of African Science Academies (NASAC), National Council for Science and Technology, Directorate of Higher Education, Ministry of Education, Science and Technology Kenya; *Consortium for Tanzania Universities and Research Libraries and Ifakara Health Institute (IHI)*, *Sokoine University of Agriculture (SUA)*, *University of Dar es Salaam (UDSM)*, *Muhimbili University of Health and Allied Sciences (MUHAS)*, *Ministry of Health and Social Welfare (MoHSW)* and *Tanzania Commission for Science and Technologies (COSTECH)*; and Consortium of Uganda University Libraries (CUUL) and Inter-University Council for East Africa (IUCEA), National Council for Higher Education, National Information Technology Authority Uganda (NITA-U), Regional Universities Forum for Capacity Building in Agriculture (RUFORUM), Research and Education Network of Uganda (RENU) and Uganda National Council for Science and Technology (UNCST)

**Target Countries:** Uganda, Kenya, Tanzania

**Funding:** 500,000 SEK from SPIDER, June 2013 - May 2014

More information available at <http://spidercenter.org/projects/project-overview/open-access-knowledge-sharing-and-sustainable-scholarly-communication-in-kenya-tanzania-and-uganda-1.149779>

#### 17.2.4 Germany

ict@innovation<sup>51</sup> is focused on building capacities in African Small and Medium sized ICT enterprises in relation to using Free and Open Source Software (FOSS) by spreading FOSS business models for enterprises in Africa, fostering FOSS certification and supporting innovative local FOSS applications for social and economic development.

**Target Countries:** Eastern and Southern Africa (Kenya, Malawi, Mozambique, Rwanda, South Africa, Tanzania, Uganda, Ethiopia, Namibia, Zambia)

**Main partners:** Partnership of FOSSFA (Free Software and Open Source Foundation for Africa) and InWEnt - Capacity Building International on behalf on behalf of German Federal Ministry of Economic Cooperation (BMZ), the Open Society Initiative for Southern Africa (OSISA).

**Funding:** 1.6m euro from German Federal Ministry of Economic Cooperation (BMZ), 2008 – 2010 first phase

<sup>51</sup> <http://www.ict-innovation.fossfa.net/>

### 17.2.5 Ireland

The Irish Government through Irish Aid is replicating the BT Young Scientists and Technology Exhibitions in Tanzania. Young Scientists Tanzania<sup>52</sup> was launched by Hon. Prof. Makame Mbarawa, Minister of Communication, Science and Technology during the National Science Week in November 2011. A delegation from Tanzania visited the BT Young Scientist Exhibition in Dublin in January 2012 to experience the event first hand. The first Exhibition took place in Dar es Salaam in October 2012. The second Exhibition took place in Dar es Salaam in September 2013.

**Main partners:** Ministry of Education and Vocational Training, COSTECH

**Funding:** Irish Aid and Pearsons

## 17.3 Other Funding Mechanisms

### 17.3.1 Framework Programme 7

The Tanzania Commission for Science and Technology (COSTECH) is a beneficiary of the IST-Africa Initiative since 2005.

Participation in IST-Africa facilitated COSTECH to host IST-Africa FP7 Training Workshops in Dar es Salaam to raise awareness of FP7 and undertake a consultation with the research community to map expertise. As part of its ongoing IST-Africa activities COSTECH circulates updates on open Calls for Proposals as they are available, encourages the research community to explore these opportunities for international research projects, promotes the research centres during international meetings and has undertaken an initial mapping of research capacity. COSTECH is raising awareness of the potential of Living Labs in Tanzania.

Up to November 2013 Tanzania has successfully secured participation in **39** FP7 projects in ICT (5 projects), Environment (4 projects), Health (19 projects), Infrastructure (1 project), Food, Agriculture and Biotechnology KBBE (5 projects), SME (1 project), Space (1 project), Social Sciences (2 projects), Transport (1 project). Up to September 2013, Tanzanian organisations secured funding of **€12 million** under FP7.

As at 31 December 2013, the following projects are now completed:

- **ICT: IST-AFRICA Initiative** 2007 - 2009 (Tanzania Commission for Science and Technology) Support action, **IST-AFRICA Initiative** 2009 - 2012 (Tanzania Commission for Science and Technology) Support action, **AIDA** 2008 - 2010 (Ardhi University) Coordination and support action;
- **Environment: AEGOS** 2008 - 2011 (The Southern and Eastern African Mineral centre & University of Dar Es Salaam) Coordination and support action, **HUNT** 2008 - 2012 (Tanzania Wildlife Research Institute) Collaborative project; **CLUVA** 2010 - 2013 (Ardhi University) Collaborative project,

<sup>52</sup> <http://www.cdpc.ie/young-scientist/>

- **Health: MALACTRES** 2008 - 2013 (The Good Samaritan Foundation (Kilimanjaro Christian Medical Centre GSF KCMC)) Collaborative project, **PRD COLLEGE** 2009 - 2013 (Ministry of Health and Social Welfare) Coordination and support action, **STOPPAM** 2008 - 2011 (National Institute for Medical Research) Collaborative project;
- **Food, Agriculture and Biotechnology KBBE: GLOBAL-BIO-PACT** 2010 - 2013 (Tanzania Traditional Energy Development Organisation) Coordination and support action, **SUNRAY** 2011 - 2012 (Sokoine University of Agriculture) Coordination and support action, **TXOTX** 2008 - 2011 (Tanzania Fisheries Research Institute & University of Dar Es Salaam) Coordination and support action; **INSARD** 2011 - 2013 (The Eastern and Southern Africa Small Scale Farmers' Forum Association) Coordination and support action;
- **SME: ONLY WATER** 2009 - 2011 (Ministry of Health and Social Welfare) Research for the benefit of specific groups;
- **Space: EAMNET** 2010 - 2013 (University of Dar Es Salaam) Coordination and support action;
- **Transport: ASSET-ROAD** 2008 - 2011 (ADC-Afrideut Consult Limited & National institute of transport) Collaborative project;

Twenty-three projects are still running:

- **ICT: IST-AFRICA Initiative** 2011 - 2013 (Tanzania Commission for Science and Technology) Support action; **IST-Africa Initiative 2014 – 2015** (Tanzania Commission for Science and Technology) Support action;
- **Environment: WHATER** 2011 - 2014 (Sokoine University of Agriculture) Collaborative project;
- **Health: APARET** 2011 - 2014 (Muhimbili University of Health and Allied Sciences) Coordination and support action, **ARCADE HSSR** 2011 - 2015 (Muhimbili University of Health and Allied Sciences) Coordination and support action, **AVECNET** 2011 - 2016 (National Institute for Medical Research & African Malaria Network Trust & Ifakara Health Institute Trust) Collaborative project, **CHEPSAA** 2011 - 2015 (University of Dar Es Salaam) Coordination and support action, **EQUIP** 2010 - 2014 (Ifakara Health Institute Trust) Collaborative project, **ETATMBA** 2011 - 2014 (Ifakara Health Institute Trust) Collaborative project, **IDEA** 2010 - 2015 (Ifakara Health Institute Trust & National Institute for Medical Research) Collaborative project, **INTHEC** 2010 - 2014 (National Institute for Medical Research & Ministry of Education and Vocational Training & Ministry of Health and Social Welfare) Collaborative project, **MASCOT** 2011 - 2014 (National Institute for Medical Research) Coordination and support action, **MCD** 2012 - 2015 (Ifakara Health Institute Trust) Small or medium-scale focused research project, **PERFORM** 2011 - 2015 (University of Dar Es Salaam) Collaborative project, **PREPARE** 2010 - 2014 (Muhimbili University of Health and Allied Sciences) Collaborative project, **QUALMAT** 2009 - 2014 (Muhimbili University of Health and Allied Sciences) Collaborative project, **REDMAL** 2010 - 2014 (African Malaria Network Trust & The Good Samaritan Foundation (Kilimanjaro Christian Medical Centre GSF KCMC)) Collaborative project, **SDH-NET** 2011 - 2015 (Ifakara Health



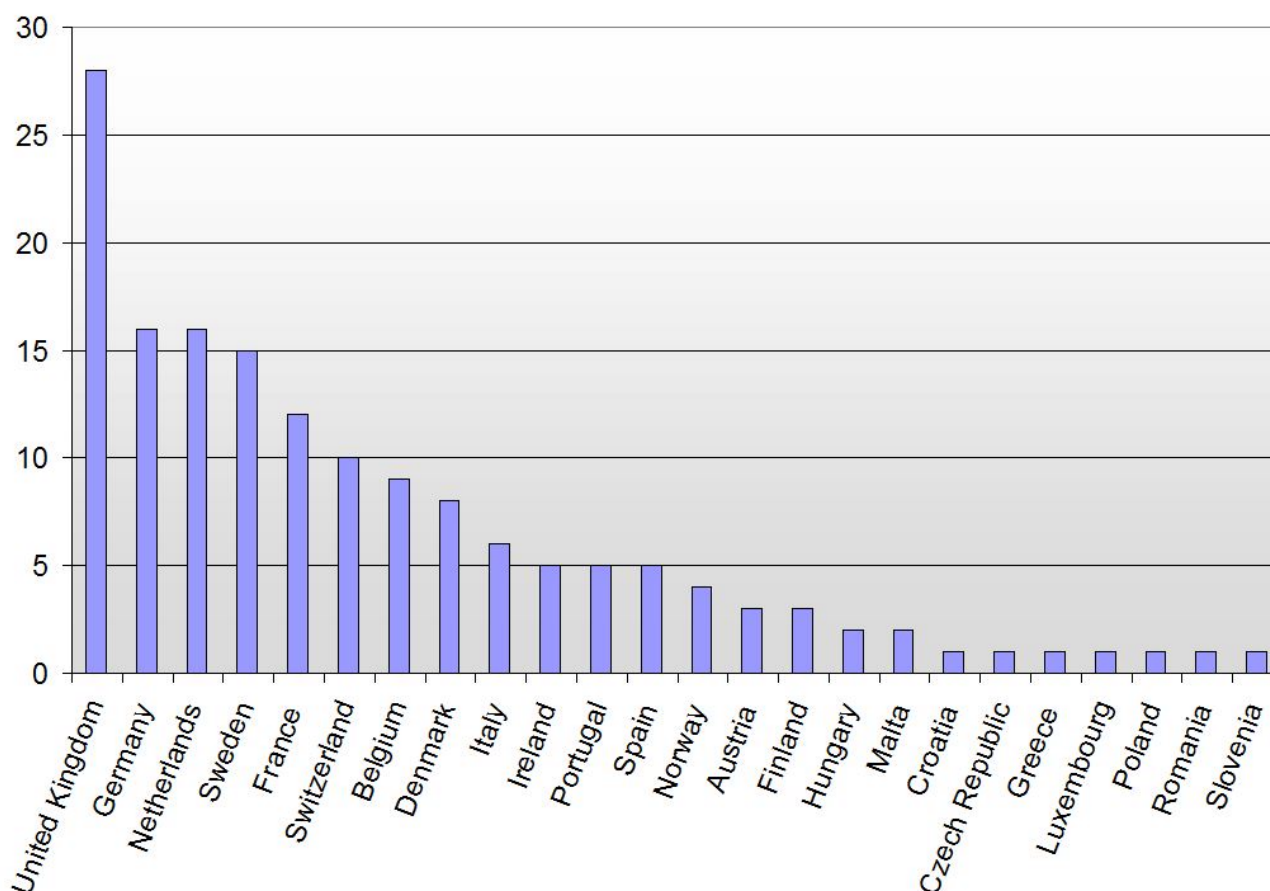
Institute Trust) Coordination and support action, **UNITAS** 2011 - 2015 (Ifakara Health Institute Trust) Collaborative project;

- **INFRA: EI4AFRICA** 2012 - 2014 (Dar Es Salaam Institute of Technology) Coordination and support actions;
- **Food, Agriculture and Biotechnology KBBE: ICONZ** 2009 - 2014 (Sokoine University of Agriculture) Collaborative project
- **Social Sciences (SSH): RURBANAFRICA** 2012 - 2016 (Sokoine University of Agriculture) Collaborative project; **GLOBAL VALUE** 2014 – 2016 (Sokoine University of Agriculture) Small/medium-scale focused research project for specific cooperation actions dedicated to international cooperation partner countries (SICA)

Based on this success, there is now a considerable appetite for participation in EU funded research, and the number of funded projects is expected to increase in future years.

European Coordinators included: IIMC International Information Management Corporation Limited, Ireland (4 projects); Liverpool School of Tropical Medicine, United Kingdom (3 projects); Karolinska Institutet, Sweden (2 projects); London School of Hygiene and Tropical Medicine, United Kingdom (2 projects); and with **one project each**: Wirtschaftsuniversitat Wien, Austria; Prins Leopold Instituut Voor Tropische Geneeskunde, Belgium; Vlaamse Instelling Voor Technologisch Onderzoek N.V., Belgium; EMF envirotec A/S, Denmark; Københavns Universitet, Denmark; Bureau de Recherches Geologiques et Minieres, France; Institut de Recherche pour le Developpement, France; Sigma Orionis SA, France; Bernhard-Nocht-Institut fuer Tropenmedizin, Germany; Deutsche Gesellschaft fur Internationale Zusammenarbeit (Giz) GmbH, Germany; Ptv Planung Transport Verkehr Ag., Germany; Universitaetsklinikum Heidelberg, Germany; Wip GmbH & Co Kg - Wirtschaft und Infrastruktur GmbH & Co Planungs KG, Germany; AMRA - Analisi e Monitoraggio del Rischio Ambientale Scarl, Italy; Het Koninklijk Instituut Voor de Tropen, Netherlands; In2care BV Innovative Insect Control & Application Research, Netherlands; Stichting eTC, Netherlands; Stichting Katholieke Universiteit, Netherlands; Vereniging Voor Christelijk Hoger Onderwijs Wetenschappelijk Onderzoek en Patientenzorg, Netherlands; Universitetet I Bergen, Norway; Fundacion Azti/Azti Fundazioa, Spain; Council on Health Research for Development Association, Switzerland; Hospices Cantonaux Chuv, Switzerland; Plymouth Marine Laboratory, United Kingdom; The Macaulay Land Use Research Institute, United Kingdom; The University of Edinburgh, United Kingdom and The University of Warwick, United Kingdom.

Tanzania - Number of FP7 Projects with EU Participants by Country



The diagram above provides an overview of the number of FP7 proposals that involved partners from different European and Associated Countries with participants from Tanzania.

One hundred and seventy (**170**) European and Associated County organisations have partnered with Tanzanian organisations in successfully funded FP7 projects. This provides a significant network for future collaboration under Horizon 2020. The most prominent organisations that were involved in multiple projects included: London School of Hygiene and Tropical Medicine, United Kingdom (8 projects); Karolinska Institutet, Sweden (7 projects); Schweizerisches Tropen- und Public Health-Institut, Switzerland (6 projects); Prins Leopold Instituut Voor Tropische Geneeskunde, Belgium (4 projects); IIMC International Information Management Corporation Limited, Ireland (4 projects); Stockholms Universitet, Sweden (4 projects); Københavns Universitet, Denmark (3 projects); Imperial College of Science, Technology and Medicine, United Kingdom (3 projects); Liverpool School of Tropical Medicine, United Kingdom (3 projects); Institut de Recherche pour le Developpement, France (2 projects); The European Organisation for the exploitation of Meteorological satellites, Germany (2 projects); Academisch Medisch Centrum Bij de Universiteit van Amsterdam, Netherlands (2 projects); Universiteit Utrecht, Netherlands (2 projects); Universidad de Navarra, Spain (2 projects); Council on Health Research for Development Association, Switzerland (2 projects); Ecole Polytechnique Federale de Lausanne, Switzerland (2 projects); Natural Environment Research Council, United Kingdom (2 projects); The University of Nottingham,

United Kingdom (2 projects) and University of Leeds, United Kingdom (2 projects). The full list of all European partner organisations is available in Annex 1 of this Report.

### 17.3.2 Africa4All Parliamentary Initiative<sup>53</sup>

Through the IST-Africa Initiative, the Parliament of Tanzania was included in the Africa4All Parliamentary Initiative, which was funded under the @CP-ICT Call.

**Target Countries:** Eastern and Southern Africa with pilots in Kenya, Tanzania, Uganda, Lesotho, Namibia

**Main partner:** Gov2u

**Partner in Kenya:** National Assembly of Tanzania

**Funding:** 410k€ from EDF9 (@CP-ICT capacity-building programme) 2009-2011

### 17.3.3 World Bank

Science Technology and Higher Education Program (STHEP) is a World Bank funded project to the Government of Tanzania, implemented through the Ministry of Education and Vocational Training (MoEVT) program with support from the Ministry of Communication Science and Technology (MCST). This is a seven-year program that is broken down into two phases of activities. APL1 activities has to be implemented within the first two years and APL2 activities will be accomplished within the last five years of the program. The long-term purpose of STHEP is to improve development of human capital in area of Science and Technology (S&T) and create a knowledge-based economy within the next ten years. 128 Higher Education and Research Institutions (HERIs) are under STHEP program.

STHEP has four program components: Component 1A – Investments in Priority Discipline for Economic Growth; Component 1B – Expanded capacity for Teachers preparation and for graduate's studies in education; Component 2A – Strengthening Key Higher Education Agencies and Institutions; Component 2B – Investments in ICT based Higher Education Systems. STHEP Component 2B is focusing on four (4) major areas being; National Research and Education Network (NREN), Education Management Information system (EMIS), E-Library, and E-Learning. Shared mechanisms to support the implementation of Component 2B of STHEP have being established between all 128 HERIs under this program.

The final findings of the feasibility study for the development of E-libraries and EMIS was presented on 18th December 2012. The piloting of the e-learning system commenced in February 2013 with five Universities. The piloting for E-libraries and EMIS will be undertaken with eight institutions from February 2013.

**Funding agency:** World Bank

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<sup>53</sup> <http://www.africa4all-project.eu/>

## 18. TUNISIA

### 18.1 Introduction

Tunisia is located in North Africa, in the eastern part of the Maghreb; bordered to the north and east by the Mediterranean Sea, to the south by Libya and to the West by Algeria; a crossroads between Europe on the one hand and the Middle East and Africa on the other hand. Tunisia has a surface area of almost 164,000 square kilometres (64,000 sq mi), made up of 34 governorates (administrative divisions). The population as at July 2013 was estimated at 10.8 million inhabitants with a literacy rate of 79% (CIA World Factbook). 69 percent of the total population is between 15 and 64 years of age. Tunis, the capital city, has a population of 759,999 (2009, CIA World Factbook). The official language is Arabic, and French and English are also fluently spoken.

Tunisia has a strategic location and is diversity in climate and natural environment. Education is considered to be of high priority with expenditure of almost 7% of GDP. Basic education for 6 to 16 years olds is compulsory. The development of the ICT sector is also considered to be a priority in terms of infrastructure and highly qualified personnel.

Tunisia considers the development of ICT to be a priority in terms of economic and social activities, health, e-learning, renewable energy and control of the natural environment. Tunisia has a National backbone based on fibre optical cables that covers its entire territory and has optical fibre submarine connections to Europe, Asia, the Middle East and America. ICT Initiatives are currently ongoing at national level in the areas of eInfrastructures (Technology Parks, Cyber Parks) and Support measures for Software companies and to set up ICT companies. More information in relation to these activities are outlined in a complementary IST-Africa Study entitled "Guide to ICT Initiatives and Research Capacity in IST-Africa Partner Countries", January 2014, ISBN: 978-1-905824-41-0.

There are 14 public universities and 44 private institutions of Higher Education.

### 18.2 Bilateral Cooperation

There are 18 European Embassies (Austria, Belgium Bulgaria, Czech Republic, Finland, France, Germany, Greece, Hungary, Italy, Malta, Netherlands, Poland, Portugal, Romania, Spain, Sweden and United Kingdom) in Tunisia.



Tunisia has enjoyed strong bilateral relations with a number of European countries. France, Germany and Italy are particularly active in supporting ICT related activities and research programs. Portugal, Switzerland, Spain, Belgium and Greece support bilateral research projects.

### 18.2.1 France

#### 18.2.1.1 *The Partnership Hubert Curien (PHC) Utique*<sup>54</sup>

The Hubert Curien Partnerships (PHC) are part of the French Ministry of Foreign Affairs' policy of support international scientific and technologic exchanges. They are implemented with the support of the French Ministry of National Education and Ministry of Higher Education and Research. It has supported Franco-Tunisian interuniversity scientific cooperation for the past 22 years.

This bilateral program is implemented by the Ministry of Higher Education and Scientific Research (MHESR) Tunisia and the Ministry of Foreign and European Affairs and Higher Education and Research, France. Managed by the Department of Cooperation and Cultural Action of Tunis, the PHC Utique mobilizes a mobility operator (EGIDE) and the Center for Research and Higher Education Lyon is in charge of the logistics of research projects since 2005. Coordination, monitoring and evaluation of the program and defining its scientific and strategic directions are provided by the Joint Committee of University Cooperation (CMCU), which consists of fifteen Tunisian experts and fifteen French experts.

The objective of PHC Utica is to develop scientific exchanges of excellence between research laboratories in France and Tunisia, fostering new collaborations and promoting doctoral studies through international cooperation. Covering all disciplines developed in academic research, it is open to private and industrial partners.

Implemented through an annual call for tenders, the program currently funds 113 projects (3 years of research) and involves approximately 300 laboratories between France and Tunisia, with the aim to: train and undertake research; participate in joint research on topics of shared priorities; contribute to the structuring of national research systems and to recognise the emergence of centres of scientific excellence.

**Main Partners:** Ministry of Higher Education and Scientific Research (MHESR, Tunisia), Ministry of Foreign and European Affairs and Higher Education and Research managed by the Department of Cooperation and Cultural Action of Tunis - EGIDE (France).

### 18.2.2 Germany

#### 18.2.2.1 *Promotion of Renewable Energies and Energy Efficiency in Tunisia*<sup>55</sup>

This bilateral project supports the Tunisian Government in aligning its energy policy with its sustainable development strategy. It also provides advice on how to create an enabling environment

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<sup>54</sup> <http://www.campusfrance.org/fr/utique>

<sup>55</sup> <http://www.giz.de/Themen/en/dokumente/giz2012-en-erneuerbare-energien-tunesien.pdf>



that promotes renewable energies and energy efficiency. A key area is its support for implementation of Tunisia's Solar Plan (Plan Solaire Tunisien), which was approved in 2009. The project works with Tunisia's Ministry of Industry, Energy Agency and other government, private sector and civil society actors.

The project promotes investment in renewable energies and energy efficiency by providing information and technical advice and by supporting relevant projects. Advice is offered to providers of energy technologies and services on how to improve their products and services. Information is disseminated to Tunisian energy consumers on how to use renewable energies, save energy and access funding instruments in these fields. Training is provided to consulting engineers, private companies, architects and public sector employees in the field of renewable energies and energy efficiency. Through development partnerships with the private sector, the project supports European and Tunisian companies in their endeavours to transfer sustainable energy technologies.

**Funded by:** German Federal Ministry for Economic Cooperation and Development (BMZ)

**Lead Executing Agency:** Agence Nationale pour la Maîtrise de l'Energie (ANME), an agency of the Ministère de l'Industrie

**Project Duration:** 2003 to 2013

## 18.3 Other Funding Mechanisms

### 18.3.1 Framework Programme 7

Ministere de l'Enseignement Superieur et de la Recherche Scientifique, Tunisia is a beneficiary under IST-Africa since 2011. As part of its ongoing IST-Africa activities MESRS circulates updates on open Calls for Proposals as they are available, encourages the research community to explore these opportunities for international research projects, promotes the research centres during international meetings and has undertaken an initial mapping of skills related to Horizon 2020.

Up to November 2013 Tunisia had successfully secured participation in **87** projects in FP7. This is broken down thematically into: ICT (5 projects); Energy (2 project); Environment (13 projects), Health (10 projects); INCO (17 projects); Infrastructures (1 project), Food, Agriculture and Biotechnology KBBE (19 projects); NMP (3 projects); PEOPLE (2 projects); REGPOT (6 projects); Security (1), Science in Society (2 project); SME (1 project); Space (1 project); SSH (2 projects); Transport (2 projects). Up to September 2013, Tunisian organisations had secured **€13.4 million** in funding under FP7.

As at 31 December 2013, the following projects are now completed:

- **ICT: JOIN-MED** 2009 - 2011 (Centre National de L'informatique) Coordination and support action; **EUROAFRICA-P8** 2012 - 2013 (Centre D'etudes et de Recherches de Telecommunications) Coordination and support action, **PROBE-IT** 2011 - 2013 (Centre D'etudes et de Recherches de Telecommunications) Coordination and support action;



- **Energy: MEDIRAS** 2008 - 2011 (Solar 23 Tunis) Collaborative project
- **Environment: BAT4MED** 2010 - 2013 (Centre International des Technologies de L'environnement de Tunis) Coordination (or networking) actions, **FIRESENSE** 2009 - 2013 (Ecole Supérieure des Communications de Tunis) Collaborative project, **WASSERMED** 2010 - 2013 (Institut National Agronomique de Tunisie) Collaborative project; **CLIMB** 2010 - 2013 (Centre de Recherches et des Technologies des Eaux) Collaborative project, **FUME** 2010 - 2013 (Institut National de Recherches en Genie Rural, Eaux et Forets) Collaborative project,
- **Health: LEISHDNAVAX** 2009 - 2012 (Institut Pasteur de Tunis) Collaborative project, **LEISHDRUG** 2008 - 2012 (Institut Pasteur de Tunis) Collaborative project, **MEDCHAMPS** 2009 - 2013 (Institut National de La Sante Publique) Collaborative project, **RAPSODI** 2009 - 2012 (Institut Pasteur de Tunis) Collaborative project; **SPHINX** 2010 - 2013 (Institut Pasteur de Tunis) Collaborative project;
- **INCO: CB-WR-MED** 2010 - 2013 (Centre de Recherches et des Technologies des Eaux) Coordination and support action, **ETC** 2009 - 2013 (Ministry of Higher Education and Scientific Research & Institution de La Recherche et de L'enseignement Superieur Agricoles) Coordination and support action, **GENOMED-HEALTH** 2004 – 2005 (Institut Pasteur de Tunis) Specific Support Action, **MIRA** 2008 - 2013 (Ministry of Higher Education and Scientific Research) Coordination and support action, **RESCOURCENET** 2006 – 2008 (Institut des Régions Arides) Specific Support Action; **BIOPROTECH** 2010 - 2013 (Centre de Biotechnologie de Sfax - Cbs) Coordination and support action,
- **INFRA: EUMEDGRID-SUPPORT** 2010 - 2011 (Centre de Calcul El Khawarizmi) Coordination and support action;
- **KBBE: AQUAMED** 2010 - 2013 (Institut National des Sciences et Technologies de La Mer) Coordination and support action, **ARIMNET** 2008 - 2013 (Institution de La Recherche et de L'enseignement Superieur Agricoles) Coordination and support action, **BIO CIRCLE** 2008 - 2011 (Centre de Biotechnologie Borj Cedria) Coordination and support action, **BIO CIRCLE 2** 2011- 2013 (Centre de Biotechnologie Borj Cedria) Coordination and support action, **BIOBIO** 2009 - 2012 (Institut National de Recherches en Genie Rural, Eaux et Forets) Collaborative project, **SUSTAINMED** 2010 - 2013 (Institut National Agronomique de Tunisie) Collaborative project;
- **NMP: CAPWA** 2010 - 2013 (Ecole Nationale D'ingenieurs de Tunis) Collaborative project, **OPEN GARMENTS** 2008 - 2011 (Ste Plat-Forme Industrielle de Confection Platico Sarl) Collaborative project;
- **Space: BRAGMA** 2012 - 2013 (Centre D'etudes et de Recherches de Telecommunications) Coordination and support action;

- **People: BAT4MED** 2010 – 2013 (Centre International des Technologies de l'environnement de Tunis) Coordination (or networking) actions, **VCVCL** 2010 - 2011 (Institut Pasteur de Tunis) Support for training and career development of researchers (Marie Curie);
- **REGPOT: AGORA** 2010 - 2013 (Institut National de Recherches en Genie Rural, Eaux et Forets) Coordination and support action, **BIODESERT** 2010 - 2012 (Université de Tunis) Coordination and support action, **ETRERA** 2010 - 2013 (Centre de Recherche et de Technologie de L Energie) Coordination and support action, **EUMEDNETVSTB** 2010 - 2013 (Institut Pasteur de Tunis) Coordination and support action, **SOWAEUMED** 2009 - 2012 (University of Sousse) Coordination and support action, **TEMP** 2009 - 2012 (Centre Technique du Textile - CETTEX & Agence de Promotion de L'industrie et de L'innovation- API) Coordination and support action;
- **SME: PROBIOLIVES** 2010 - 2013 (Institut National de Sciences Appliquees et de Technologie), Research for the benefit of specific groups;
- **SSH: MEDPRO** 2010 - 2013 (Institut Tunisien de La Competitivité et des Etudes Quantitatives) Collaborative project;
- **Transport: ESTEEM** 2008 - 2009 (Société D'ingénierie Pour Le Développement Economique et Social) Coordination and support action;

As at 31 December 2013, 45 projects are still running:

- **ICT: IST-AFRICA Initiative** 2011 - 2013 (Ministry of Higher Education and Scientific Research) Support action, **IST-AFRICA Initiative** 2014 - 2015 (Ministry of Higher Education and Scientific Research) Support action,
- **Energy: REELCOOP** 2013 – 2017 (Alternative Energy Systems SARL; Ecole Nationale d'Ingenieurs de Tunis) SICA;
- **ENV: AFROMAISON** 2011 - 2014 (Observatoire du Sahara et du Sahel) Collaborative project, **AGRICAB** 2011 - 2015 (Observatoire du Sahara et du Sahel) Collaborative project, **CLARA** 2011 - 2014 (Centre de Biotechnologie de Sfax - CBS) Collaborative project, **CLIM-RUN** 2011 - 2014 (Université de Tunis) Collaborative project, **IASON** 2013 – 2015 (Agence de Protection et d'Amenagement du Littoral) Coordination (or networking) actions, **MEDSEA** 2011 - 2014 (Sfax University) Collaborative project, **PERSEUS** 2012 - 2015 (Sarost SA) Collaborative project, **WAHARA** 2011 - 2016 (Institut des Regions Arides) Collaborative project;
- **Health: DEEP** 2011 - 2014 (Hopital D'enfants de Tunis) Collaborative project, **EUNAM** 2011 - 2015 (Centre D'etudes et Recherches Prospectives) Coordination and support action, **MASCOT** 2011 - 2014 (Hopital Farhat Hached de Sousse) Coordination and support action, **MEDIGENE** 2012 - 2015 (Institut Pasteur de Tunis) Collaborative project, **RESCAP-MED** 2012 - 2014 (Institut National de La Sante Publique) Coordination and support action,

- **INCO: ERANETMED** 2013 – 2017 (Ministry of Higher Education and Scientific Research) Coordination (or networking) actions, **ETRERA\_2020** 2013 – 2016 (Centre de Recherche et de Technologie de l'Energie) Support actions, **FETRIC** 2013 – 2016 (Agence Nationale de la Promotion de la Recherche Scientifique) Support actions, **FP4BATIW** 2013 – 2016 (Centre de Recherches et des Technologies des Eaux; Agence Nationale de Protection de L'environnement; Ecole Supérieure des Sciences et de Technologie de Hammam Sousse; Chambre de Commerce et d'Industrie du Centre) Support actions, **GM\_NCD\_IN\_CO** 2011 - 2014 (Institut Pasteur de Tunis) Coordination and support action, **INCOMMET** 2012 - 2014 (Institut National des Sciences et Technologies de La Mer) Coordination and support action, **MAGHRENOV** 2013 – 2016 (Agence Nationale pour la Maîtrise de l'Energie) Support actions, **MED-SPRING** 2013 - 2017 (Centre de Recherches et des Technologies des Eaux & Ministry of Higher Education and Scientific Research) Coordination and support action, **MENFRI** 2013 – 2016 (Institut National de Recherches en Génie Rural, Eaux et Forêts) Support actions, **SOHEALTHY** 2013 – 2015 (Centre National du Cuir et de la Chaussure) Support actions; **FP4BATIW** 2013 - 2016 (Centre de Recherches et des Technologies des Eaux, Agence Nationale de Protection de L'environnement, Ecole Supérieure des Sciences et de Technologie de Hammam Sousse, Chambre de Commerce et d'Industrie du Centre) Support Action
- **KBBE: ANIMALCHANGE** 2011 - 2015 (Institut National de La Recherche Agronomique de Tunisie) Collaborative project, **CHIBIO** 2011 - 2014 (Institut National des Sciences et Technologies de La Mer) Collaborative project, **COCONET** 2012 - 2016 (Institut National Agronomique de Tunisie) Collaborative project, **CREAM** 2011 - 2014 (Institut National des Sciences et Technologies de La Mer) Coordination and support action, **EAU4FOOD** 2011 - 2015 (Institut National de Recherches en Génie Rural, Eaux et Forêts) Collaborative project, **FORESTERRA** 2012 - 2015 (Institution de La Recherche et de L'enseignement Supérieur Agricoles) Coordination and support action, **LOWINPUTBREEDS** 2009 - 2014 (Institut National de La Recherche Agronomique de Tunisie) Collaborative project, **PARAVAC** 2011 - 2015 (Ecole Nationale de Médecine Vétérinaire) Collaborative project, **PRO-EEL** 2010 - 2014 (Institut National des Sciences et Technologies de La Mer) Collaborative project, **ULIXES** 2011 - 2014 (Université de Tunis) Collaborative project, **VMERGE** 2013 – 2016 (Institution de la Recherche et de l'Enseignement Supérieur Agricoles) Collaborative Project targeted to a special group (such as SMEs), **WATERBIOTECH** 2011 – 2014 (Centre de Biotechnologie de Sfax - CBS; Centre International des Technologies de l'environnement de Tunis) Coordination and support action; **ARIMNET2** 2014 - 2017 (Ministry of Higher Education and Scientific Research, Institution de la Recherche et de l'Enseignement Supérieur Agricoles) Coordination Action
- **NMP: BIONEXGEN** 2010 - 2014 (Centre de Biotechnologie de Sfax - Cbs) Collaborative project;
- **Science in Society: SHEMERA** 2011 - 2014 (Carthage University) Collaborative project; **BEWATER** 2013 - 2017 (Institut National de Recherches en Génie Rural, Eaux et Forêts), Support Action

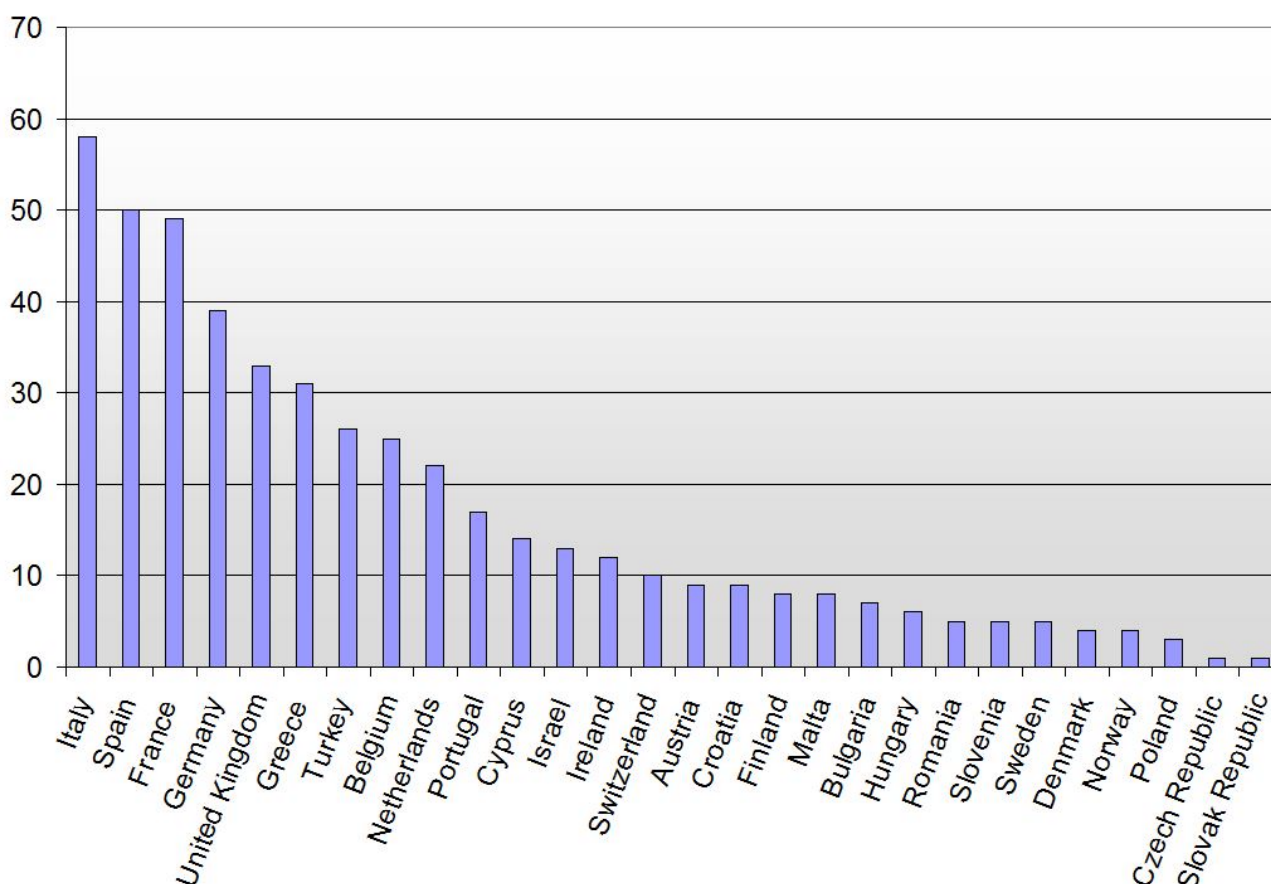
- **SSH: ARABTRANS** 2013 – 2016 (Association Forum des Sciences Sociales Appliquees) SICA;
- **Transport: SOLUTIONS** 2013 – 2016 (Mobili-T) Coordination action;

European coordinators included: Institut National de la Recherche Agronomique, France (3 projects); Institut Pasteur, France (3 projects); Universitat Autònoma de Barcelona, Spain (3 projects); University of Newcastle Upon Tyne, United Kingdom (3 projects); Fraunhofer-Gesellschaft zur Förderung Der Angewandten Forschung e.V., Germany (2 projects); IIMC International Information Management Corporation Limited, Ireland (2 projects); Agenzia per la Promozione della Ricerca Europea, Italy (2 projects); Centro Internazionale di Alti Studi Agronomici Mediterranei - Istituto Agronomico Mediterraneo di Bari, Italy (2 projects); Consiglio Nazionale delle Ricerche, Italy (2 projects); Università Degli Studi di Milano, Italy (2 projects); Stichting dienst Landbouwkundig Onderzoek, Netherlands (2 projects); Centro de Investigación Ecológica Aplicaciones Forestales, Spain (2 projects); and with **one project each**: Universitaet fuer Bodenkultur Wien, Austria; Antea Belgium N.V., Belgium; Centre for European Policy Studies, Belgium; Vlaamse Instelling Voor Technologisch Onderzoek N.V., Belgium; Danmarks Tekniske Universitet, Denmark; European Forest Institute, Finland; Centre de Cooperation International en Recherche Agronomique Pour le Developpement, France; Centre International des Hautes etudes Agronomiques Mediterraneennes Institut Agronomique Mediterranéen de Montpellier, France; European Fisheries and Aquaculture Organisation, France; Sigma Consultants, France; Université Montpellier I, France; Virbac SA, France; Deutsche Institute Fur Textil- und Faserforschung Denkendorf, Germany; Deutsches Krebsforschungszentrum, Germany; Hochschule Karlsruhe Technik und Wirtschaft, Germany; Inno AG, Germany; Ludwig-Maximilians-Universität München, Germany; Verein zur Förderung Des Technologietransfers an Der Hochschule Bremerhaven e.V., Germany; Wuppertal Institut für Klima, Umwelt, Energie GMBH., Germany; Aristotelio Panepistimio Thessalonikis, Greece; Centre for Research and Technology Hellas, Greece; Hellenic Centre for Marine Research, Greece; Hellenikos Georgikos Organismos - dimitra (Hellenic Agricultural Organization - Demeter), Greece; Planet S.A., Greece; Agenzia Nazionale per le Nuove Tecnologie, l'Energia e lo Sviluppo economico Sostenibile, Italy; Centro Euro-Mediterraneo per I Cambiamenti Climatici Scarl, Italy; Consorzio per Valutazioni Biologiche e Farmacologiche, Italy; Innova Bic - Business Innovation Centre Srl, Italy; Ipogea P.S.C. Arl, Italy; Istituto Nazionale di Fisica Nucleare, Italy; Università Degli Studi di Roma la sapienza, Italy; Kema Nederland Bv, Netherlands; Kic Innoenergy Se, Netherlands; Centro Tecnológico Das Industrias Textil e do Vestuário de Portugal - CITEVe, Portugal; Instituto de Investigação Científica Tropical, Portugal; Universidade Do Porto, Portugal; Agencia Estatal Consejo Superior de Investigaciones Científicas, Spain; Centre for International Information and Documentation in Barcelona, Spain; Fundació Centre D'iniciatives I Recerques Europees a la Mediterrània - CIReM, Spain; Instituto Andaluz de Tecnología, Spain; Instituto Tecnológico Del Calzado y Conexas, Spain; Mediterranean Agronomic Institute of Zaragoza / International Centre for Advanced Mediterranean Agronomic Studies, Spain; Ministerio de economía y Competitividad, Spain; Universidad de Castilla - la Mancha, Spain; Council on Health Research for Development Association, Switzerland; eidgenoessisches Volkswirtschafts Departement, Switzerland; London School of Hygiene and

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Tropical Medicine, United Kingdom; Moredun Research Institute, United Kingdom and The University Court of the University of Aberdeen, United Kingdom.

Tunisia - Number of FP7 Projects with EU Participants by Country



The diagram above provides an overview of the number of FP7 proposals that involved partners from different European and Associated Countries with participants from Tunisia.

Five hundred and twenty two (**522**) European and Associated Country organisations partnered with Tunisian organisation under FP7 organisations in successfully funded FP7 projects. This provides a significant network for future collaboration under Horizon 2020. The most prominent organisations that were involved in multiple projects included Consiglio Nazionale delle Ricerche, Italy (17 projects); Agencia Estatal Consejo Superior de Investigaciones Cientificas, Spain (13 projects); Centre National de la Recherche Scientifique, France (9 projects); Institut National de la Recherche Agronomique, France (9 projects); Stichting dienst Landbouwkundig Onderzoek, Netherlands (8 projects); Centre de Cooperation International en Recherche Agronomique pour le Developpement, France (6 projects); Institut de Recherche pour le Developpement, France (6 projects); Fundacao para a Ciencia e a Tecnologia, Portugal (6 projects); Joint Research Centre- European Commission, Belgium (5 projects); Deutsches Zentrum Fur Luft und Raumfahrt E.V., Germany (5 projects); Centro Internazionale di Alti Studi Agronomici Mediterranei - Istituto Agronomico Mediterraneo di Bari, Italy (5 projects); Institut Pasteur, France (4 projects); Potsdam Institut fuer Klimafolgenforschung, Germany (4 projects); Ethniko Idryma Erevnon, Greece (4 projects); Hellenic

Centre for Marine Research, Greece (4 projects); Hellinikos Georgikos Organismos - dimitra (Hellenic Agricultural Organization - Demeter), Greece (4 projects); Turkiye Bilimsel ve Teknolojik Arastirma Kurumu, Turkey (4 projects) and The University of Liverpool, United Kingdom (4 projects). The full list of all European partner organisations is available in Annex 1 of this Report.



## 19. REPUBLIC OF UGANDA

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### 19.1 Introduction

The Republic of Uganda is located in East Africa, bordered by Democratic Republic of the Congo, Kenya, Rwanda, Sudan and Tanzania. Uganda has an area of 241,038 km<sup>2</sup> and 112 administrative districts. The population as at July 2013 was estimated at 34.75 million inhabitants with a literacy rate of 73.2% (CIA World Factbook). Forty nine percent of the population is between 15 and 64 years of age. Kampala, the capital city, has a population of 1.535 million (2009, CIA World Factbook). English is the official language.

Uganda is a fertile country with regular rainfall and mineral deposits of copper, cobalt and gold. Oil has recently been discovered. Agriculture is the most important sector of the economy, employing over 80% of the work force, followed by services and industry.

Uganda is striving to meet the Information and Communications Technology (ICT) development objectives laid out in the World Summit on the Information Society (WSIS) Plan of Action.

The Information and Communications Technology (ICT) sector is now regarded as a vital pillar for the social economic development of the country as indicated in the current National Development Plan (2010/11 - 2014/15). The ICT sector is divided into three areas namely; Policy, Regulatory and Operational with the Ministry of ICT as the lead agency. There is a good policy framework in place including the ICT Policy (October 2003 - currently under review), Science, Technology and Innovation Policy (2009) implemented through the National Science, Technology and Innovation Plan 2012/2013 – 2017/2018, eGovernment Strategy (2011) and Rural Communications Development Policy.

In terms of ICT Infrastructure, there are three Submarine cables supplying Uganda: TEAMS, SEACOM and EASSy. The National Data Transmission Backbone Infrastructure (NBI) and Electronic Government Infrastructure (EGI) are being implemented by NITA-U as a public-private partnership project. The telecommunications sub-sector, formerly dominated by a monopoly, has been progressively liberalised over the past decade. Infrastructure capacity is rapidly improving. Most national and regional transmission links are digital. Optical fibre links connect major economic

Uganda is currently implementing ICT-related initiatives in the areas of eInfrastructure (Research and Education Network Uganda, Broadband Services ERT Programme, National Backbone, Migration from Analogue to Digital Broadcasting Project, eNetwork project), eGovernment (Electronic Government Infrastructure, Voter Registration, National Identify Cards project, ICT4Democracy in East Africa project), Technology-enhanced Learning (Connect Ed project,

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National Curriculum Development Centre, VSAT project, SchoolNet Uganda, Content Development at National Teachers Colleges, Connecting Classrooms project, Improving Learning Outcomes through ICT project, ITELE for ICT project, Helping teachers use ICT for Teaching project), eHealth (Improving health care delivery, Health Child project, Electronic Rural Health Information Project, Malaria Diagnostic Systems project), eCommerce (District Business Information Systems, Reflect ICT Resource Centre, Village Phone Project), ICT for Rural Development and Entrepreneurship (Microsoft Innovation Centre). More information in relation to these activities are outlined in a complementary IST-Africa Study entitled “Guide to ICT Initiatives and Research Capacity in IST-Africa Partner Countries”, January 2014, ISBN: 978-1-905824-41-0.

There are six public Universities, 29 Private Universities, 40 public Tertiary Institutions and 51 private Tertiary Institutions in Uganda.

## **19.2 Bilateral Cooperation**

The EU has provided long term development support to Uganda through the Contonou Partnership agreement and through European Development Funds, which supported programmes focused on improving road networks, increasing agriculture productivity, and promoting democracy and good governance by working for peace and stability in the country and surrounding region. EDF10 provided €439 million in funding for the period 2008-2013 and primarily focused on transport infrastructure and road sector reforms, rural development and agricultural recovery and budget support.

Uganda has bilateral cooperation agreements in place with Belgium, Denmark, Germany, France, Ireland, Italy, Austria, Netherlands, Norway, Sweden, UK, Rwanda, Burundi, India and South Korea.

Belgium has historically focused on supporting interventions in the areas of decentralization, health, environment, education, private sector development and good governance. France has focused on water and sanitation, rural development and civil society with projects managed by AFD. Italy has focused on health, water, education, training and agriculture. Denmark is supporting ICT initiatives through the encouragement of partnerships between Ugandan and Danish companies interesting in outsourcing activities.

Bilateral Support for ICT-related activities and supporting Infrastructure and Capacity building in Higher Education Institutions is primarily provided by Germany, Ireland, Netherlands, United Kingdom, Norway, Sweden and IICD.

### **19.2.1 Germany**

Germany has supported infrastructure for ICT Initiatives as part of its focus on Education and Capacity Building.

Germany is Uganda's principal EU trading partner (€200 million in trade in 2011), ahead of the Netherlands and Belgium. Bilateral trade with Uganda shows a €20 million surplus in Germany's favour. Uganda's main exports to Germany are coffee, fish, small quantities of other agricultural

produce, cobalt and simple technical products. Uganda's main imports from Germany are machinery and chemical products.

### **Development and humanitarian cooperation**

Since its resumption in 1986, bilateral government development cooperation has totalled over €640 million. At the Ugandan-German intergovernmental negotiations in May 2010, a new commitment of €120 million was agreed for a three-year period (€100 million for financial cooperation and €20 million for technical cooperation), an increase of 58 per cent compared with the previous commitment period.

Ugandan-German development cooperation is aligned with Uganda's Poverty Eradication Action Plan (PEAP) and focuses on the priority sectors: water supply and sanitation, financial system development and the promotion of renewable energy and energy efficiency. Germany supports the implementation of Uganda's National Development Plan by providing budget aid.

The German Federal Government's main objective is to provide expert advice and conducting peacekeeping operations in the north of Uganda and to provide development-oriented emergency and refugee relief in Uganda's Karamoja district.

Government development cooperation is implemented by the KfW Development Bank (Financial Cooperation), the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), and the Centrum für Internationale Migration und Entwicklung (CIM).

#### **19.2.1.1 PCs for Vocational Training Centres**

**Target Country:** Uganda

**Main partner:** KfW on behalf of German Federal Ministry of Economic Cooperation (BMZ)

**Funding:** 2M€ for ICT Component

#### **19.2.1.2 *ict@innovation Open Source Regional Project***

ict@innovation<sup>56</sup> is focused on building capacities in African Small and Medium sized ICT enterprises in relation to using Free and Open Source Software (FOSS) by spreading FOSS business models for enterprises in Africa, fostering FOSS certification and supporting innovative local FOSS applications for social and economic development.

**Target Countries:** Eastern and Southern Africa (Kenya, Malawi, Mozambique, Rwanda, South Africa, Tanzania, Uganda, Ethiopia, Namibia, Zambia)

**Main partners:** Partnership of FOSSFA (Free Software and Open Source Foundation for Africa) and InWEnt - Capacity Building International on behalf on behalf of German Federal Ministry of Economic Cooperation (BMZ), the Open Society Initiative for Southern Africa (OSISA).

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<sup>56</sup> <http://www.ict-innovation.fossfa.net/>

**Funding:** 1.6m euro from German Federal Ministry of Economic Cooperation (BMZ), 2008 – 2010 first phase

## 19.2.2 Ireland

Ireland has focused on education, health, governance, agriculture and HIV/AIDs.

### 19.2.2.1 *Irish-African Partnership for Research Capacity Building*

The Irish-African Partnership for Research Capacity Building (2008-2011) brought together all nine Irish Universities and four Universities in Uganda, Tanzania, Mozambique and Malawi to develop a coordinated approach to Research Capacity Building in higher education institutions. The IAPRCB aimed:

1. To build the capacity for development research in Irish and Northern Irish universities
2. To build the capacity for research in the four African universities in health and education, and the cross-cutting themes of ICT and gender.

The Partnership was funded as a pilot project under the Programme of Strategic Cooperation between Irish Aid and Higher Education and Research Institutes (2007-2011). It was organised under the umbrella of Universities Ireland, which also provides some matching funding.

The administrative leader of the Partnership is the Centre for Cross Border Studies, with offices in Armagh and at Dublin City University.

**Target Countries:** Uganda, Tanzania, Mozambique and Malawi

**Partners:** Participating higher education institutions: University of Dublin/Trinity College, Queen's University Belfast, Dublin City University, University of Limerick/Mary Immaculate College, University College Dublin, University of Ulster, National University of Ireland Galway, National University of Ireland Maynooth, University College Cork, Makerere University (Uganda), University of Dar-es-Salaam, Universidade Eduardo Mondlane (Mozambique), University of Malawi, Centre for Cross Border Studies

**Funding:** Pilot project, Irish Aid with matching funding from Irish Universities

## 19.2.3 Netherlands

Netherlands has focused on education, decentralization and governance.

### 19.2.3.1 **NPT Project on 'Strengthening ICT Training and Research Capacity in the Four Public Universities in Uganda'**

The initial Nuffic project completed in 2008 and focused on addressing Information and Communication Technology (ICT) capacity building in the four Public Universities in Uganda. The target group was the staff and students in the Ugandan institutions and mid-career ICT professionals. The project provided expertise from the Netherlands to support curriculum development and implementation, development of research capacity and to advise in the

establishment of a Centre of Excellence for ICT Training and Research. 38 members of staff from the four universities were trained and a few are in the final stages of their studies in the Netherlands and in Uganda. This grant provided funding of €3.4 million euro.

A follow on project proposal was approved, which is focused on strengthening the Capacity of Makerere University Faculty of Computing and IT, the Institute of Computer Science at Mbarara University of Science and Technology, the Departments of Computer Science at Kyambogo and Gulu Universities to develop, implement and manage relevant educational and research programmes for poverty alleviation, rural and economic development.

The target group was University staff and students in the above institutions and ICT Policy makers.

**Main partners:** The lead institution in Uganda was Makerere University with Mbarara University of Science and Technology, Gulu University and Kyambogo University as partners; and the lead institution in the Netherlands was the University of Groningen with Radboud University Nijmegen (RUN) and Eindhoven University of Technology (TUE) as the consortium partners.

**Funding and Duration:** The project was implemented over four years, commencing in 2008 with a maximum Nuffic grant of 5.7 million euro. The southern partners were to contribute to the project in form of financial and material inputs such as complementary funding and equipment, physical infrastructure and human resources. Thus it is expected that at completion, the total cost of the project would be €6.2 million.

More information is available at <http://cit.mak.ac.ug/projects.php>

#### **19.2.3.2 NPT Project on ‘Strengthening the Institutional Capacity of Uganda’s Technical Colleges**

As a result of the initial Nuffic project with the four universities, a project was subsequently awarded by Nuffic to the four technical colleges in Uganda: Uganda Technical College (UTC) Bushenyi; UTC Elgon; UTC Kichwamba and UTC Lira to building institutional capacity.

**Main partners:** The Lead institution in the Netherlands was Hanze University Groningen. Co-partners in Uganda were Makerere University and Kyambogo University.

**Funding and Duration:** This project ran from 2006 – 2009 with a Nuffic grant of €1.99 million.

### **19.2.4 United Kingdom**

The UK has focused on governance, health, education and water and sanitation.

#### **19.2.4.1 Mobile Innovation and Enterprise**

The *Mobile Innovation and Enterprise project* aimed to respond to the fast growing mobile market in the country in particular and in the region in general. It aimed to blend teaching on mobile computing and innovation with experiences of entrepreneurship and user-centered design hoping to develop a cohort of young minds who have the skills to lead Ugandan innovation in mobile sector. Specific key expected outputs of the project included:

1. A cohort of students with skills in mobile computing, user-centered design, entrepreneurship and innovation.
2. A structure for continuing the training to develop more students in future years.
3. A group of staff at Makerere who can lead skills development in mobile computing, user-centered design, entrepreneurship and innovation.
4. A new set of relationships between Makerere and local and international businesses, non-governmental organizations and community organizations.
5. A business plan to develop a mobile business incubation centre at Makerere where graduates will work with local and international businesses to develop innovative mobile phone business concepts and spin outs.

**Main Partners:** Faculty of Computing and IT at Makerere University and the Faculty of Arts, Computing, Engineering & Sciences at Sheffield Hallam University, UK. Private sector partners include Orange Labs and DMark Mobile, Ugandan premier telecom value added service provider

**Funding:** Grant from British Council's competitive Educational Partnership in Africa Programme

#### **19.2.5 Norway**

Norway through the Norwegian Agency for Development Cooperation (Norad) has provided significant support to the ICT Department in Makerere University providing a new ICT building and the provision of administrative software systems for Finance, Academic Records and Human Resources.

##### **19.2.5.1 Makerere University Institutional Development Program**

Norwegian Support to Makerere University dates back to the 1960s (with Department of Botany in the Faculty of Science and Department of Forestry then under the Faculty of Agriculture and Forestry). After a 15-year period (1970-1985) of political instability, support was renewed in mid 1990s to the then Department of Forestry under the Faculty Agriculture. This support resulted into the development of a fully-fledged Faculty of Forestry and Nature Conservation at Makerere. The support helped to resource the new Faculty in terms of building, equipment and human resource development.

In 2000, this support expanded in scope to cover the entire University's Institutional Development Programme for an initial 5 year period. The support agreement was signed on 28 June 2000 with a total grant of 110m NOK. A new bilateral frame agreement between the Government of Uganda and Government of the Royal Kingdom of Norway for continued support was signed on 27th October, 2005 for four years (2005/06 – 2008/09) worth 60m NOK (approx.US\$9m). Priority areas for continued Norwegian support were discussed and agreed upon between Makerere University and the Norwegian Embassy in Uganda. These priorities were in line with the University's strategic plan 2000/01-2006/07 and the Government over-arching policy of Poverty Eradication Action Plan (PEAP).



Norwegian support over this period was initially channeled through the Norwegian Agency for International Development (NORAD). The support has introduced important interventions aimed at relating higher education to the needs of society by supporting the development of human resources in various fields and increasing the practical orientation of the graduates. Through synergies with other partners, the support has enhanced the University's delivery capacity and also facilitated innovations and quick response to the changing needs of society.

The support has greatly helped in expanding physical infrastructure which in turn has facilitated the university to cope with increased demand for higher education; development of the human resource in various fields; contribution to ICT-enabled operations in administration and Library service delivery; enhanced capacity for gender mainstreaming; refurbishment of laboratories with specialized scientific equipment; strengthened research and research coordination: publication, outreach activities, institutional collaboration, partnerships and networking.

The main objectives in relation to the different Program components included:

A: Good governance and Gender Mainstreaming - To promote research, design curriculum and engage institutions for good governance with gender equality starting with Makerere University itself.

B: Food, Nutrition and Value Addition - To promote scientific research, design curriculum and engage both public and private sector to enhance food production, nutrition and value addition.

C: Strengthening University Management - To improve efficiency and effectiveness through strengthening the planning, development and human resource management functions at Makerere University.

D: Development of infrastructure and ICT - To expand space, ICT infrastructure to support the University's teaching, research and outreach function in critical areas for national development

More information is available at

<http://www.norway.go.ug/Embassy/Development/makerereuninstiutionaldevprog/>

### **19.2.6 Sweden**

The strategy for development cooperation with Uganda from 2009-2013 is focused on helping to implement Uganda's poverty strategy through The National Development Plan (NDP) for 2010-2014. The country frame is 260 MSEK per year.

The bilateral research cooperation with Uganda was initiated in 2000 and its main objective is to enhance research and research training capacity of public higher education institutions. This to conduct and sustain strategic and quality research, which can contribute to national development needs, through building a critical mass of independent thinking researchers. The purpose is to build capacity at Makerere University, the largest public university in Uganda by supporting Masters, PhD Programmes and postdoctoral training in relevant fields (e.g. basic science, technology, agriculture,

health, veterinary medicine, social sciences and humanities) and to strengthen the institutional capacity for research management. The 2010-2014 support focuses on collaborative research and PhD research training at Makerere University as well as building an enabling environment for research which includes improvement of research management capacity, administrative and financial systems, library services, research funds, ICT, demographic surveillance site, laboratory infrastructure, and gender mainstreaming. In addition, support will target administrative reforms, quality assurance of postgraduate training, research communication and dissemination, the Innovation Systems and Cluster Program in Uganda, and PhD and Masters training at Makerere University for staff from four other public universities in Uganda. The programs are implemented in collaboration with Swedish universities and research training will be conducted both in Sweden and in Uganda.

Sweden is supporting ICT initiatives through projects supported by SIDA and the SPIDER Programme.

SIDA is supporting Makerere University to incorporate ICT in all its functions; to provide Internet connectivity to research groups supported by SIDA long-term research co-operation; to build technical and managerial capacity in information technology at all levels; and to integrate ICT in the main library operations.

To a large extent the goals of this project have been met, and in cases where they are not yet completed, plans have been adjusted to address the needs in the next project phases.

**DICTS:** The Directorate for ICT Support has been created and is functioning relatively well. The unit has been quite well accepted on campus, and their leadership role is appreciated. As is typical with this type of operation, they are somewhat short staffed (a combination of requiring specialized skills and lack of sufficient budget).

**Makerere-net:** The campus network was designed, installed and is functioning as per expectations. The actual connection to the Internet is funded by the University and not SIDA. The connection speed has increased in recent years as the per-unit cost of this bandwidth has dropped but is still not considered adequate by users.

**Research Local Area Networks:** These networks were all installed and are operational, much to the delight of their users.

**E-mail and web infrastructure:** The core web services applications (e-mail, web servers, network infrastructure) are in place and operational. Most staff members and many students have access to Makerere e-mail addresses, although there is still heavy use of non-Makerere addresses (such as Yahoo). The Makerere web site is active, but still needs additional coverage, particularly at the faculty and department level.

**End User Training:** The original plan was to provide basic computer training for all academic staff, administrative staff and students within one year, and that the majority of the training would be computer-based (no instructor). This plan was overly ambitious and the target was not met. The

training program was re-aligned to include classroom instruction. To date, about half of the staff have been trained. As of the 2004/5 academic year, all entering students must complete a basic ICT training course. Staff training is continuing, and is expected to take several more years to complete.

**Library Automation:** A library management system was selected, installed and is now online. The conversion of the card catalogue has taken longer than expected, and that project is ongoing. The other functionality of the system, including all of the internal library functions, is slowly being implemented.

**Access to Electronic Journals:** Prior to this project, only paper journals were available. Due to the price and delivery problems, their use was limited. The e-journal project has made nearly 8,000 journals in a wide range of disciplines available, and this has virtually revolutionized Makerere's ability to produce world-class research.

**Doctoral Training:** This aspect of the project was subject to many delays and has only recently gotten underway in a substantive way. The delays were largely due to the inability of Makerere to release staff from their regular duties. The ability to release staff is still an ongoing problem. For a number of reasons, it appears that these doctoral programs will not result in increased research capacity, but rather on sustaining and improving the level of ICT-based services at Makerere.

The Swedish development cooperation with Uganda focuses on:

- Democratic governance, including peace and security
- The health sector
- Private sector development, including international trade and financial systems
- Research cooperation

Two former sectors are already phased out: the energy sector and the water and sanitation sector. The reason for this is that Sweden shall have fewer cooperation sectors in accordance with policies regarding aid effectiveness and division of labour among donors.

### **Support to Bilateral Research Cooperation (current status)**

#### ***The Makerere-Government of Sweden Bilateral Research Program***

Makerere Research Capacity Building Programme supported by Government of Sweden started in 2000 with a preparatory period and was followed by two phases of support, 2001-2005, 2005-2009 and now Phase III 2010 to 2014. A number of units in the University were supported. These included; the former Faculties of Agriculture, Technology, Medicine, Social Sciences, School of Public Health, Department of Mass Communication; School of Graduate studies (SGS)/Directorate of Research and Graduate training, Gender Mainstreaming, Directorate of Information and Communication Technology and the Library.

The Makerere University Government of Sweden Bilateral Research Program (Phase III) has a total allocation of 181million SEK, (USD 25 million) for four years January 2010-June 2014. Phase III complements the remarkable achievements made creating an environment conducive to high

quality relevant research through investment in human resource development, ICT, library resources, laboratory and field site infrastructure. Some of the notable achievements to date include:

- a) Established functional field research sites. The Demographic Surveillance Site (DSS) in Iganga/Mayuge is now fully operational. Data collection continues in an area of over 50,000 people involving 16,000 households. The site continues to attract other research projects.
- b) Biomedical Laboratory –Department of Pharmacology in CHS. The laboratory now fully functional and can be accessed by students and researchers
- c) State of the art GIS unit set up in the CEDAT (formerly Faculty of Technology) - Laboratory now fully functional and can be accessed by interested units
- d) In the area of ICT, the optical fibre network covers the main campus, Medicine, MUARIK, MUBS. Computers and LANS set up in supported faculties including student kiosks with 165 computers setup in various units. All (100%) of the university units have web presence compared to 5% in 2000. There are more than 20,000 e-mail users registered on the local mail system compared to 50 in 2000. A functional Online Public Access Catalogue (OPAC) with more than 14,000 journals on line giving access to the most recent literature. The library staff in region e.g. University of Juba trained and supported library automation
- e) Increased visibility, acceptability and upward movement of women into leadership positions. Makerere University now recognized as a pace setter in gender mainstreaming in Universities in sub Saharan Africa
- f) 196 Ph.D. students, 40 Masters Students under Government of Sweden support. More publications have contributed to improved university rankings. The number of linkages/collaborations is on the rise e.g. Uganda Virus Research Institute (UVRI), Irish-African Research Capacity Building Program (IARCBP), and University of Copenhagen (UC-LIFE) among others.
- g) Reduced brain drain - Researchers staying and doing work in Uganda
- h) Created centres of Excellence in Makerere University including Health in the area of Malaria, TB, HIV, Mental health, Reproductive health; Technology and engineering in the areas of research in energy and energy conservation (CREEC), Innovative systems and Clusters; Agriculture - Centre for Crop Waste Management; ICT regional centre and Library e-resources.

#### **19.2.6.1 Converging ICT4D tools to Promote Public Accountability for Improved Service Delivery & Democratic Engagement**

This project is focused on promoting public accountability for improved service delivery in the Rwenzori region, in western Uganda. It will use local FM radio broadcasting stations as “hubs” for the convergence of information and knowledge provided by internet and mobile technology tools. The broadcast media practitioners and staff from 10 FM radio stations in the Rwenzori region will be trained on how to design programs and broadcast relevant content and information that empowers

local citizens to democratically engage their leaders for development planning and budgeting as well as how to use online social media tools to undertake research, document and disseminate information. The project also aims to train 500 rural women and youth leaders who will be organised into 14 Advocacy Forums.

**Main Partners:** Toro Development Network, FrontLineSMS-UK

**Funding:** 485,000 SEK from SPIDER, July 2012 - June 2014

More information available at <http://spidercenter.org/projects/project-overview/converging-ict4d-tools-to-promote-public-accountability-for-improved-service-delivery-1.149784>

#### **19.2.6.2 Makerere MobiClass**

Given the size of the student population undertaking undergraduate and post graduate studies, it is a priority for Makerere University to leverage online learning. Makerere University has a Learning Management System (LMS), called MUELE (Makerere University E-Learning Environment) running under Moodle. While this platform is accessible on desktops and laptops, it is not fully accessible on all mobile phones because the system is heavy and has a number of features which require adjustment and reworking to enable it usable on mobile devices. The Makerere MobiClass project intends to make mobile learning a priority for users of the MUELE system by developing suitable plugin, training users, developing appropriate policies, improving instructional designs for learning and formulating better strategies for mobile and e-Learning. The introduction of MobiClass will provide a means of ensuring that the lecturers are able to frequently interact with their students appropriately, timely, anytime and anywhere. It is expected that 100 students and 3 lecturers in 5 courses will pilot test the mobile application of MUELE and participate in the evaluation study.

**Main Partners:** Makerere University

**Funding:** 500,000 SEK from SPIDER, June 2013 - May 2014

More information available at <http://spidercenter.org/projects/project-overview/makerere-mobiclass-1.149765>

#### **19.2.6.3 Open access: knowledge sharing and sustainable scholarly communication in Kenya, Tanzania and Uganda**

This project aims to raise visibility and accessibility of research outputs in Kenya, Tanzania and Uganda using free and open source software for open repositories and open access journals in higher education and research institutions. It aims to develop a sustainable network of open access champions and reinforce local capacity in the management of open access journals and repositories.

**Main Partners:** EIFL (Electronic Information for Libraries) in cooperation with Kenya Library and Information Services Consortium and Medical Students' Associations of Kenya (MSAKE), The Network of African Science Academies (NASAC), National Council for Science and Technology, Directorate of Higher Education, Ministry of Education, Science and Technology Kenya; Consortium

for Tanzania Universities and Research Libraries and Ifakara Health Institute (IHI), Sokoine University of Agriculture (SUA), University of Dar es Salaam (UDSM), Muhimbili University of Health and Allied Sciences (MUHAS), Ministry of Health and Social Welfare (MoHSW) and Tanzania Commission for Science and Technologies (COSTECH); and *Consortium of Uganda University Libraries (CUUL) and Inter-University Council for East Africa (IUCEA), National Council for Higher Education, National Information Technology Authority Uganda (NITA-U), Regional Universities Forum for Capacity Building in Agriculture (RUFORUM), Research and Education Network of Uganda (RENU) and Uganda National Council for Science and Technology (UNCST)*

**Target Countries:** Uganda, Kenya, Tanzania

**Funding:** 500,000 SEK from SPIDER, June 2013 - May 2014

More information available at <http://spidercenter.org/projects/project-overview/open-access-knowledge-sharing-and-sustainable-scholarly-communication-in-kenya-tanzania-and-uganda-1.149779>

#### 19.2.6.4 iParticipate Uganda

iParticipate aims at sharing information, making it accessible and reusable by stakeholders such as citizens, civil society and the media, repackaging the information and availing it online and in print, generating evidence on the impact of information access and use on transparency and accountability, engaging lawmakers to embrace open governance, building skills and knowledge for citizens to access and gainfully use open data and public domain information.

**Main Partners:** Collaboration on International ICT Policy for Eastern & Southern Africa (CIPESA)

**Funding:** 500,000 SEK from SPIDER, July 2013 - October 2014

More information available at <http://spidercenter.org/projects/project-overview/iparticipate-uganda-1.149745>

#### 19.2.7 Belgium

Uganda is one of 18 Belgian Bilateral partner countries. The MoU for Belgian Bilateral Cooperation in Uganda was signed in 1995 and focused on projects in the areas of transport and telecommunications sectors and institutional capacity building of local governments. The first General Convention was signed by the two Governments on the 1st February of 2005. A first 'Indicative Development Cooperation Program' (IDCP 2005-2008), was followed by a second IDCP (2008-2012) which was signed on 5th of November 2008. A third IDCP (2012-2016) was signed by H.E. M. Kiwanuka, Minister of Finance and Mr. P. Moors, Director DGD on the 5th of April 2012.

The new cooperation program contributes to the realization of the PEAP (Poverty Eradication Action Plan, 2004-09), the NDP (National Development Plan, 2010-15) and targets of the MDGs (Millenium Development Goals) in Uganda.

Projects and programs are implemented by the Belgian Technical Cooperation (BTC) and focus on technical & professional education and on primary health care. The total budget (2009-2016) is



€138 million (64 + 64 + 10) with a significant amount provided through budget support (€20 + 12 million in health sector and €12 + 14 million in education sector). Several projects implemented through budget support include: (1) Institutional Capacity Building in the Health Sector – in execution – €6.5 million (with delegated cooperation of Sida/Sweden) and (2) teacher training in the educational sector - €17.5 million, €8 million in BTVET-subsector and €8 million in PNFP-health – subsector. Other areas being supported include the agro-industrial sector, annual scholarship programmes (€1 million grant per year) and a micro projects program (€125,000 per year).

#### **19.2.8 Rwanda**

As a follow up to the visit by H.E the President of the Republic of Uganda to Rwanda in July 2011, a Memorandum of Understanding (MoU) was signed on July 29th 2011, under the umbrella of the 7th session of Joint Permanent Commission on cooperation between the two countries with regard to the Information and Communications Technology (ICT) sector.

Subsequently, a delegation from the Republic of Rwanda led by Hon. Ignace Gatware, the Minister in the President's Office in Charge of Information and Communications Technology made a visit to Uganda on 16 - 17 November 2011, at the invitation of Hon. Ruhakana Rugunda, the Minister of ICT. The objective of the visit was to discuss and share experiences with regard to areas of cooperation as elaborated in the MoU on ICT sector, and lay the ground for implementation.

During the discussion, Telecommunications, Information Technology, Broadcasting, Postal Services and Human Resources were discussed. The National Information Technology Authority (NITA-U) will be leading of the areas related to fiber connectivity and information technology.

It was agreed that a task force was established to monitor availability of the fibre links between Kampala and Katuna, connectivity between the two National backbones be established by December 2012 and the two countries work together to secure satellite bandwidth. It was agreed to use the alternative route through South Sudan, Ethiopia and Djibouti to have access to other international submarine cables and to put measure in place to ensure that the regional internet traffic between the two countries is routed through the most efficient route using fibre linkage.

The countries also agreed to cooperate and share experience and expertise in the establishment of their respective Computer Emergency Response Teams (CERTs), and will also ensure that the CERTs share information. Other areas of cooperation were the ID project, public ICT access points, capacity building and BPO.

#### **19.2.9 Burundi**

State visits by the Presidents of Uganda and Burundi have strengthened bilateral relations. A number of cooperation agreements and MOUs have been negotiated and concluded including agriculture, transport, education, health, security, ICT, trade and investment.

### 19.2.10 India

On 18th April 2013, Hon. Salman Khurshid, the Minister of External Affairs of India and his delegation held official bilateral negotiations with a Ugandan delegation led by Hon. Sam Kutesa, the Minister of Foreign Affairs.

Following the talks Hon. Kutesa indicated that areas of cooperation agreed included the development of the energy sector, ICT, trade and commerce, as well as defence matters. The follow-up mechanism was put in place to fast track the implementation of the decisions reached during the discussions. Hon. Salman Khurshid said that India will continue to support Uganda in important fields such ICT for e-governance and software development. Some of the areas identified for fast tracking include the strengthening of Uganda-India trade; and setting up an incubation centre for food industries and equipment, including micro and small scale industries at village level.

### 19.2.11 South Korea

The Government of Uganda through the Ministry of ICT is in the process of establishing collaboration in ICT with the Government of Republic of Korea (ROK) through the National IT Promotion Agency (NIPA) under the Korea Ministry of Knowledge Economy. A delegation from NIPA visited Uganda in June 2012 to begin preparations to provide technical assistance to NITA on the eGovernment Roadmap and Master ICT Plan for Uganda integrating all sectors of the economy.

## 19.3 Other Funding Mechanisms

### 19.3.1 Framework Programme 7

The Uganda National Council for Science and Technology (UNCST) is a beneficiary of the IST-Africa Initiative since 2007.

Participation in IST-Africa has facilitated UNCST to host IST-Africa FP7 Training Workshops in Kampala and undertake a consultation with the research community to map expertise. As part of its ongoing IST-Africa activities UNCST circulates updates on open Calls for Proposals as they are available, encourages the research community to explore these opportunities for international research projects and promotes the research centres during international meetings. UNCST is raising awareness of the potential of Living Labs in Uganda. UNCST has established a National Contact Point for ICT, which has also increased visibility of Ugandan research institutions.

Up to November 2013 Uganda had successfully secured participation in **41** FP7 projects in ICT (6 projects), INCO (2 projects), Environment (6 projects), Health (16 projects), Infrastructure (1 project), Food, Agriculture and Biotechnology KBBE (6 projects), People (3 projects) and Social Sciences (1 project). Up to September 2013, Ugandan organisations had secured **€7.7 million** in funding under FP7.

As at 31 December 2013, the following projects are now completed:

- **ICT: IST-Africa Initiative** 2007 – 2009 (Uganda National Council for Science and Technology) Support action, **IST-Africa Initiative** 2009 – 2012 (Uganda National Council for Science and Technology) Support action, **EUROAFRICA-ICT** 2008 - 2009 (Makerere University) Coordination and support action, **EUROAFRICA-ICT.ORG** 2010 - 2011 (Makerere University) Coordination and support action;
- **Environment: AEGOS** 2008 - 2011 (Geological Survey and Mines) Coordination and support action, **EO2HEAVEN** 2010 - 2013 (Makerere University) Collaborative project, **WETWIN** 2008 - 2011 (National Water and Sewerage Corporation) Collaborative project; **WASHTECH** 2011 - 2013 (Network for Water and Sanitation Uganda) Collaborative project;
- **Health: AMASA** 2010 - 2013 (Mbarara University of Science and Technology & Makerere University) Collaborative project, **PRD COLLEGE** 2009 - 2013 (Makerere University) Coordination and support action, **PRISMA** 2008 - 2011 (African Palliative Care Association limited) Coordination and support action, **TRANSMALARIABLOC** 2008 - 2013 (Makerere University) Collaborative project;
- **INCO: CAAST-NET** 2008 - 2012 (Uganda National Council for Science and Technology) Coordination and support action;
- **Infrastructure: INFRAVEC** 2009 - 2013 (Med Biotech Laboratories) Combination of CP & CSA;
- **KBBE: BIOBIO** 2009 - 2012 (Makerere University) Collaborative project, **SUNRAY** 2011 - 2012 (Makerere University) Coordination and support action;
- **People: FIGHTMAL** 2008 - 2012 (Med Biotech Laboratories & Infectious Diseases Research Collaboration Limited) Support for training and career development of researchers (Marie Curie);
- **SSH: CREATING** 2008 - 2010 (Inter-University Council for East Africa) Coordination and support action;

Twenty-three projects are still running:

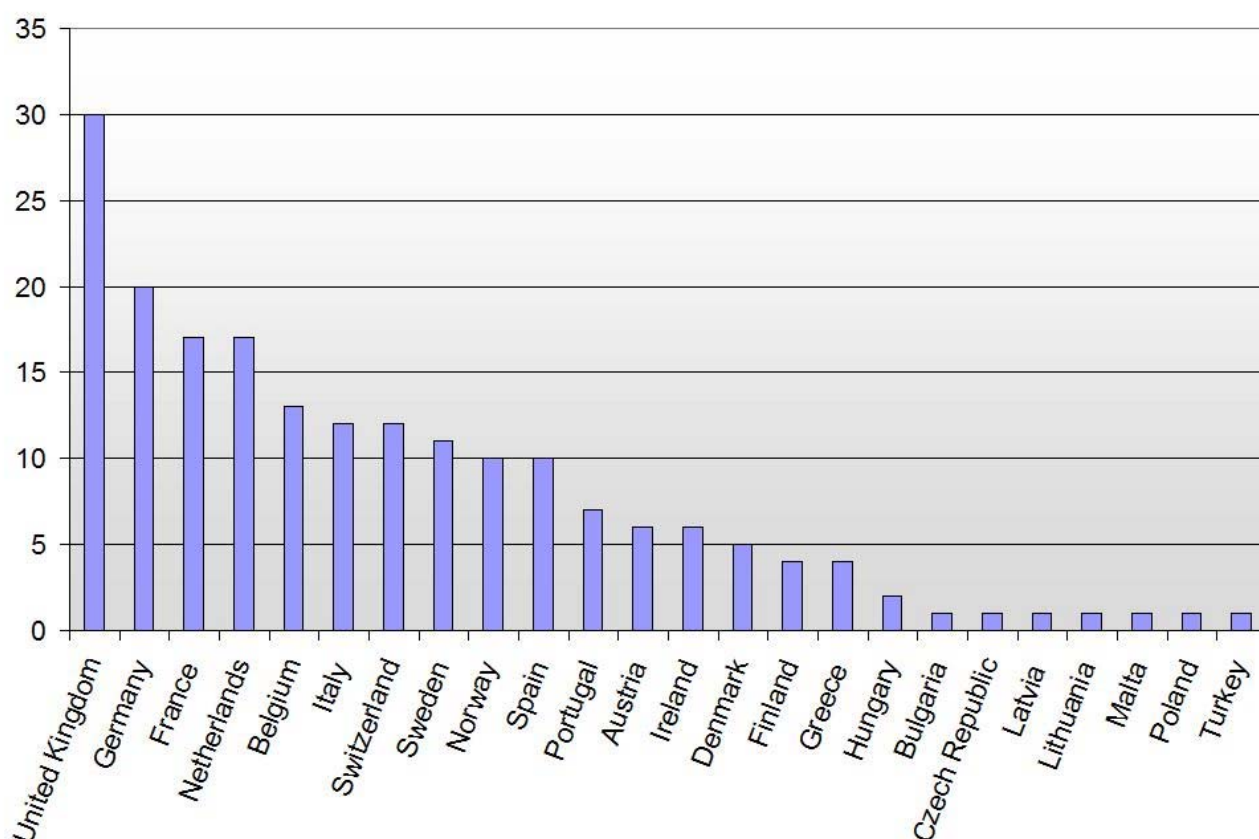
- **ICT: IST-Africa Initiative** 2011 – 2013 (Uganda National Council for Science and Technology) Support action; **IST-Africa Initiative** 2014 - 2015 (Uganda National Council for Science and Technology) Support action;
- **Environment: AFROMAISON** 2011 - 2014 (Mountains of the Moon University LBG) Collaborative project, **HEALTHY FUTURES** 2011 - 2014 (Vector Control Division - Ministry of Health) Collaborative project,
- **Health: APARET** 2011 - 2014 (African Field Epidemiology Network LBG & Makerere University) Coordination and support action, **ARCADE HSSR** 2011 - 2015 (Makerere University) Coordination and support action, **EMERALD** 2012 - 2017 (Butabika National Mental Hospital) SICA, **EQUIP** 2010 - 2014 (Makerere University) Collaborative project, **EVIMALAR** 2009 - 2014 (Makerere University) Network of Excellence, **GO4HEALTH** 2012 – 2015 (Center For Health Human Rights and Development (CEHURD)) Coordination (or networking) actions, **HURAPRIM**

2011 - 2015 (Mbarara University of Science and Technology) Collaborative project, **MUTHI** 2011 - 2014 (Makerere University) Coordination and support action, **PERFORM** 2011 - 2015 (Makerere University) Collaborative project, **PREPARE** 2010 - 2014 (Makerere University) Collaborative project, **SURE** 2009 - 2014 (Makerere University) Collaborative project, **THESCHISTOVAC** 2010 - 2014 (Vector Control Division - Ministry of Health) Collaborative project;

- **INCO: CAAST-NET PLUS** 2013 - 2016 (Uganda National Council for Science and Technology) Coordination and support action;
- **KBBE: AFSPAN** 2012 - 2014 (Makerere University) Coordination and support action, **APROPOS** 2012 - 2014 (Lasting Solutions Ltd) Collaborative project, **ICONZ** 2009 - 2014 (Makerere University) Collaborative project, **NEXTGEN** 2010 - 2014 (Makerere University) Collaborative project;
- **People: CAWRBP** 2013 - (All Saints University Lango LBG) International incoming fellowships (Return phase), **PUREFOOD** 2010 - 2014 (Makerere University) Support for training and career development of researchers (Marie Curie)

European coordinators included: IIMC International Information Management Corporation Limited, Ireland (4 projects); Antea Belgium N.V., Belgium (2 projects); Prins Leopold Instituut voor Tropische Geneeskunde, Belgium (2 projects); Sigma Consultants, France (2 projects); Karolinska Institutet, Sweden (2 projects); Association of Commonwealth Universities, United Kingdom (2 projects); Imperial College of Science, Technology and Medicine, United Kingdom (2 projects); King's College London, United Kingdom (2 projects); The University of Edinburgh, United Kingdom (2 projects); and with **one project each**: Universiteit Gent, Belgium; Teknologian Tutkimuskeskus (VTT), Finland; Bureau de Recherches Géologiques et Minières, France; Centre National de la Recherche Scientifique, France; Université de Toulouse II - le Mirail, France; Bernhard-Nocht-Institut fuer Tropenmedizin, Germany; Fraunhofer-Gesellschaft zur Foerderung Der Angewandten Forschung e.V, Germany; The Provost, Fellows, Foundation Scholars & the Other Members of Board of the College of the Holy & Undivided Trinity of Queen Elizabeth Near Dublin, Ireland; Food and Agriculture Organisation of the United Nations FAO, Italy; Università Degli Studi di Perugia, Italy; Academisch Ziekenhuis Leiden - Leids Universitair Medisch Centrum, Netherlands; Stichting IRC International Water and Sanitation Centre, Netherlands; Wageningen University, Netherlands; Nasjonalt Kunnskapssenter for Helsetjenesten, Norway; Universitetet i Bergen, Norway; Universitetet i Oslo, Norway; eidgenoessisches Volkswirtschaftsdepartement, Switzerland; Liverpool School of Tropical Medicine, United Kingdom and University of Glasgow, United Kingdom.

Uganda - Number of FP7 Projects with EU Participants by Country



The diagram above provides an overview of the number of FP7 proposals that involved partners from different European and Associated Countries with participants from Uganda.

One hundred and ninety five (**195**) European and Associated Country organisations partnered with Ugandan organisations in successfully funded FP7 projects. This provides a significant network for future collaboration under Horizon 2020. The most prominent organisations that were involved in multiple projects included Institut de Recherche pour le Developpement, France (5 projects); Karolinska Institutet, Sweden (5 projects); The Chancellor, Masters and Scholars of the University of Oxford, United Kingdom (5 projects); Københavns Universitet, Denmark (4 projects); Centre National de la Recherche Scientifique, France (4 projects); Foundation for Research and Technology Hellas, Greece (4 projects); IIMC International Information Management Corporation Limited, Ireland (4 projects); Stockholms Universitet, Sweden (4 projects); Schweizerisches Tropen- und Public Health-Institut, Switzerland (4 projects); Association of Commonwealth Universities, United Kingdom (4 projects); Liverpool School of Tropical Medicine, United Kingdom (4 projects); London School of Hygiene and Tropical Medicine, United Kingdom (4 projects); Prins Leopold Instituut voor Tropische Geneeskunde, Belgium (3 projects); European Molecular Biology Laboratory, Germany (3 projects); Universitaetsklinikum Heidelberg, Germany (3 projects); Wageningen University, Netherlands (3 projects) and Imperial College of Science, Technology and Medicine, United Kingdom (3 projects). The full list of all European partner organisations is available in Annex 1 of this Report.

### 19.3.2 Africa4All Parliamentary Initiative

**Target Countries:** Eastern and Southern Africa with pilots in Kenya, Tanzania, Uganda, Lesotho, Namibia

**Main partner:** Gov2u

**Partner in Kenya:** National Assembly of Uganda

**Funding:** 410k€ from EDF9 (@CP-ICT capacity-building programme) 2009-2011

### 19.3.3 TACIT: Tackling Aids and Tuberculosis through Communication and Information Technologies

**Target Countries:** Southern and Eastern Africa, pilots in Kenya, Zambia, Uganda and Namibia

**Main partner:** International HIV/Aids Alliance

**Funding:** 960k€ from EDF9 (@CP-ICT capacity-building programme) 2009-2011

### 19.3.4 Carnegie Corporation Support for Institutional Development

The last decade has witnessed remarkable support by the Carnegie Corporation of New York to Makerere University in different phases. Phase 1 run from 2001 to 2005, Phase II from 2006 – 2008 and Phase III from 2008 to 2011 under the thematic area of Food, Nutrition and Value Addition. Over the last decade, the CCNY has supported Makerere University with over USD 16 million.

Overall cumulative progress and impact was made in Library, ICT development and use, gender and equity, human resource development, science practical training & research.

**Main partners:** Carnegie Corporation of New York, Makerere University, Uganda

**Funding:** 16 million USD

### 19.3.5 Prepare PhD Project

The PREPARE-PhD project was a three-year (2008-2011) multi-country project funded by the European Union under the ACP-EU Cooperation Programme in Higher Education (EDULINK). This project was part of STRAPA Partnership.

The purpose of the project was to create efficient and effective PhD training systems through strengthening local research capacity and regional networking in the participating higher education institutions (HEI). The key outputs of this project include development of harmonized guidelines for PhD training in the region, supervision and mentoring skills that have been strengthened as well as Makerere University PhD students formed an Association, called the PhD Forum: PF@mak in June 2012. The association for the first time has brought together PhD students from all disciplines at Makerere to share knowledge, experiences and networking.

**Main partners:** Makerere University, Uganda, Sokoine University of Agriculture, Tanzania, University of Nairobi, Kenya, and University of Copenhagen, Denmark.



**Funding:** ACP-EU Cooperation Programme in Higher Education (EDULINK), 2008 - 2011

### 19.5.6 IICD

#### 19.5.6.1 *Improving Learning Outcomes through ICT*

The "Improving Learning Outcomes through ICT" project commenced in December 2011 and it will run until 31 December 2014. It is focused on improving learning outcomes for girls in particular in primary schools in the Apac District of Uganda through access to ICT. It aims to train teachers and school administrators in learner centered teaching and learning methodologies, facilitate access to up to date teaching and learning materials, build capacity of teachers, facilitate networking between schools and provide life skills to pupils for improved self confidence. The target group is 100 primary school pupils and 40 primary school teachers.

**Main Partners:** Connect4Change, Edukans, IICD (Netherlands) and Education Local Expertise Centre Uganda, FAWEU and I-Network (Uganda).

**Funding:** Grant of €36,000 from Edukans, Netherlands.

**Geographic scope and time frame:** Apac District of Uganda, December 2011 - December 2014.

More information available at <http://projects.iicd.org/en/project/355/>

#### 19.5.6.2 *ITELE for ICT (Improving Literacy and Numeracy in Primary Education through ICT)*

IICD launched the "ITELE for ICT" project in December 2011 and it will run until 31 December 2014. It is focused on improving literacy and numeracy in primary education in the Serere District in Eastern Uganda through the integration of ICT in teaching and learning processes. The project aims to train 20 teachers in 8 targeted primary schools and then 10 teachers per school by 2014 to develop Information Communication based teaching content, lesson planning and scheming and support pupils to design, develop and disseminate IEC materials that address community needs and concerns.

**Main Partners:** Connect4Change, Edukans, IICD (Netherlands) and Education Local Expertise Centre Uganda, HNU and I-Network (Uganda).

**Funding:** Grant of €39,568 from Edukans, Netherlands.

**Geographic scope and time frame:** Serere District in Eastern Uganda, December 2011 - December 2014.

More information available at <http://projects.iicd.org/en/project/354/>

#### 19.5.6.3 *Helping teachers use ICT for teaching*

IICD launched the "Helping teachers use ICT for teaching" project in December 2010 and it is still active. It is focused on training teachers and sensitising Head Teachers in Western Uganda and West Nile of the importance of using ICT for Education and for school management. It aims to train

400 teachers and senior staff on how to use computers to improve classroom instruction, teaching materials and school administration in 13 schools.

**Main Partners:** Connect4Change, CharITy, IICD (Netherlands), Close the Gap (Belgium) and Computers for Schools Uganda (CFSU), I-Network (Uganda)

**Funding:** Funding of €110,820 from CFSU (€18,203), IICD (€35,117), Close the Gap (€47,500) and CharITy (€10,000)

**Geographic scope and time frame:** Western Uganda and West Nile, December 2010 - ongoing

More information available at <http://projects.iicd.org/en/project/213/>

## ANNEX 1 – EUROPEAN PARTNERS IN FP7 PROJECTS WITH AFRICAN PARTICIPANTS FROM IST-AFRICA PARTNER COUNTRIES

This Annex provides an overview of European and Associated Country institutions who partnered with African institutions in specific projects under FP7, based on information available up to November 2013. The listing is grouped by IST-Africa partner country. The list of African institutions and the thematic areas related to the projects listed is outlined in more detail within the specific country chapters in this report. This illustrates that there is an existing network of collaborators for future projects under Horizon 2020 and also highlights the specific institutions that have a track record collaborating with African institutions.

### Botswana

Organisation	Country	Projects
IIMC International Information Management Corporation Limited	Ireland	IST-AFRICA 2008, IST-AFRICA 2010 - 11, IST-AFRICA 2012-13, IST-AFRICA 2014-15
Medizinische Universitaet Wien	Austria	HURAPRIM
JRC -Joint Research Centre- European Commission	Belgium	DEWFORA
Katholieke Universiteit Leuven	Belgium	RN4CAST
Universiteit Gent	Belgium	HURAPRIM
Jyvaeskylaen yliopisto- University of Jyvaskyla	Finland	CAAST-NET
Kuopion yliopisto - University of eastern Finland	Finland	RN4CAST
Centre de Cooperation International en Recherche Agronomique pour le Developpement	France	CAAST-NET
Institut de Recherche pour le Developpement	France	CAAST-NET
Deutsches Zentrum Fur Luft und Raumfahrt E.V.	Germany	CAAST-NET
Helmholtz-Zentrum Potsdam Deutsches Geoforschungszentrum	Germany	DEWFORA
Potsdam Institut fuer Klimafolgenforschung	Germany	DEWFORA
Technische Universitaet Berlin	Germany	RN4CAST
National and Kapodistrian University of Athens	Greece	RN4CAST
Dublin City University	Ireland	RN4CAST
The Commonwealth Network of Information Technology for Development	Malta	IST-AFRICA 2008
Stichting Deltares	Netherlands	DEWFORA

Stichting Katholieke Universiteit - Radboud Universiteit Nijmegen	Netherlands	RN4CAST
Stichting Wetlands International	Netherlands	DEWFORA
UNESCO-Ihe Institute for Water education	Netherlands	DEWFORA
Norges Forskningsrad	Norway	CAAST-NET
Uniwersytet Jagiellonski	Poland	RN4CAST
Fundacao para a Ciencia e a Tecnologia	Portugal	CAAST-NET
Universidade do Porto	Portugal	DEWFORA
Fundacion Azti/Azti Fundazioa	Spain	TXOTX
Instituto de salud Carlos III	Spain	RN4CAST
Mediterranean Agronomic Institute of zaragoza / International Centre for Advanced Mediterranean Agronomic Studies	Spain	DEWFORA
Ministerio de economia y Competitividad	Spain	CAAST-NET
Universidad Politecnica de Madrid	Spain	DEWFORA
Karolinska Institutet	Sweden	RN4CAST
Stockholms Universitet	Sweden	TXOTX
Verket för Innovationssystem	Sweden	CAAST-NET
Universitaet Basel	Switzerland	RN4CAST
Turkiye Bilimsel ve Teknolojik Arastirma Kurumu	Turkey	CAAST-NET
Association of Commonwealth Universities	United Kingdom	CAAST-NET
European Centre for Medium-Range Weather Forecasts	United Kingdom	DEWFORA
Imperial College of Science, Technology and Medicine	United Kingdom	TXOTX
King's College London	United Kingdom	RN4CAST
The Chancellor, Masters and Scholars of the University of Oxford	United Kingdom	HURAPRIM
The Secretary of State for Environment, Food and Rural Affairs	United Kingdom	TXOTX

## Burundi

Organisation	Country	Projects
IIMC International Information Management Corporation Limited	Ireland	IST-AFRICA 2010 - 11, IST-AFRICA 2012-13, IST-AFRICA 2014-15

## Cameroon

Organisation	Country	Projects
Centre National de la Recherche Scientifique	France	CRIMALDDI, EUROROADMAP, EVIMALAR, GEOCARBON, INFRAVEC, MIAVITA
Københavns Universitet	Denmark	CHAIN, CLUVA, EVIMALAR, RURBANAFRICA
World Health Organization	Switzerland	AFRICA BUILD, CHAIN, CRIMALDDI, SURE
Universite Libre de Bruxelles	Belgium	CEECEC, EUROROADMAP, GEOCARBON
Institut de Recherche pour le Developpement	France	CAAST-NET, EVIMALAR, INFRAVEC
Institut National de la sante et de la Recherche Medicale (INSERM)	France	CRIMALDDI, EVIMALAR, SURE
Max Planck Gesellschaft zur Foerderung Der Wissenschaften e.V.	Germany	EVIMALAR, GEOCARBON, PRD COLLEGE
Universitaetsklinikum Heidelberg	Germany	CRIMALDDI, EVIMALAR, INFRAVEC
IIMC International Information Management Corporation Limited	Ireland	IST-AFRICA 2010 - 11, IST-AFRICA 2012-13, IST-AFRICA 2014-15
Wageningen University	Netherlands	GEOCARBON, INFRAVEC, NO BUG
Karolinska Institutet	Sweden	CHAIN, EVIMALAR, SURE
Stockholms Universitet	Sweden	EVIMALAR, INFRAVEC, PRD COLLEGE
Liverpool School of Tropical Medicine	United Kingdom	CRIMALDDI, EVIMALAR, INFRAVEC
The Chancellor, Masters and Scholars of the University of Oxford	United Kingdom	EVIMALAR, GEOCARBON, INFRAVEC
Centre de Cooperation International en Recherche Agronomique pour le Developpement	France	AFTER, CAAST-NET
Institut Pasteur	France	EVIMALAR, INFRAVEC
European Molecular Biology Laboratory	Germany	EVIMALAR, INFRAVEC
Universitaetsklinikum Bonn	Germany	E PIAF, NO BUG
Foundation for Research and Technology Hellas	Greece	EVIMALAR, INFRAVEC
Centro Euro-Mediterraneo per I Cambiamenti Climatici Scarl	Italy	CLUVA, GEOCARBON
International Centre for Genetic engineering and Biotechnology	Italy	EVIMALAR, PRD COLLEGE
Istituto Superiore di sanita	Italy	EVIMALAR, INFRAVEC
Universita Degli Studi di Roma la sapienza	Italy	EVIMALAR, INFRAVEC
Stichting Katholieke Universiteit	Netherlands	EVIMALAR, INFRAVEC
Vereniging Voor Christelijk Hoger Onderwijs Wetenschappelijk Onderzoek en Patientenzorg	Netherlands	GEOCARBON, REDD-ALERT

Instituto de Higiene e Medicina Tropical	Portugal	CHAIN, INFRAVEC
Universite de Geneve	Switzerland	AFRICA BUILD, EVIMALAR
Imperial College of Science, Technology and Medicine	United Kingdom	EVIMALAR, INFRAVEC
Medical Research Council	United Kingdom	CHAIN, EVIMALAR
The University of edinburgh	United Kingdom	E PIAF, GEOCARBON
University of Glasgow	United Kingdom	EVIMALAR, INFRAVEC
Internationales Institut fuer Angewandte Systemanalyse	Austria	GEOCARBON
Joanneum Research Forschungsgesellschaft Mbh	Austria	REDDAF
Seri - Nachhaltigkeitsforschungs und -Kommunikations Gmbh	Austria	CEECEC
Universität Klagenfurt	Austria	CEECEC
Devan Chemicals N.V.	Belgium	NO BUG
Janssen Infectious diseases diagnostics BVBA	Belgium	CHAIN
Katholieke Universiteit Leuven	Belgium	CHAIN
Prins Leopold Instituut Voor Tropische Geneeskunde	Belgium	AFRICA BUILD
Spacebel sa	Belgium	IRMA
Universite Catholique de Louvain	Belgium	REDD-ALERT
Universiteit Gent	Belgium	NO BUG
Utexbel	Belgium	NO BUG
Vlaams Overleg Duurzame Ontwikkeling	Belgium	CEECEC
Association for Nature, Environment and Sustainable Development Sunce Split	Croatia	CEECEC
Jyvaeskylaen yliopisto- University of Jyvaskyla	Finland	CAAST-NET
Association de Coordination Technique pour l'Industrie Agroalimentaire	France	AFTER
Association de Recherche en Virologie et Dermatologie	France	CHAIN
Bureau de Recherches Geologiques et Minieres	France	MIAVITA
Groupeement d'Interet Public Reseau National de Telecommunications pour la Technologie, l'enseignement et la Recherche	France	IRMA
Institut National de la Recherche Agronomique	France	AFTER
Jean Claude Gnonlonfoun	France	NO BUG
Le Museum National d'Histoire Naturelle	France	E PIAF
Ministere de l'Interieur, de l'Outremer et des Collectivites Territoriales direction de la Defense et de la Securite Civiles	France	MIAVITA
Paul Boye Technologies	France	NO BUG



Racines sa	France	AFTER
Systèmes d'Information À Référence Spatiale (Sirs) SAS	France	REDDAF
Thales Alenia Space France	France	IRMA
Universite de Toulouse II - le Mirail	France	RURBANAFRICA
Universite de Versailles saint-Quentin-en-Yvelines	France	GEOCARBON
Universite Paris diderot - Paris 7	France	EUROBROADMAP
Universite Paul sabatier Toulouse III	France	REDDAF
Universite Victor Segalen Bordeaux li	France	CHAIN
Bernhard-Nocht-Institut fuer Tropenmedizin	Germany	EVIMALAR
Deutsches Zentrum Fur Luft und Raumfahrt E.V.	Germany	CAAST-NET
Eberhard Karls Universitaet Tuebingen	Germany	E PIAF
Fastopt Gmbh	Germany	GEOCARBON
GAF Ag	Germany	REDDAF
Georg-August-Universitaet Goettingen Stiftung Oeffentlichen Rechts	Germany	REDD-ALERT
Go Africa Katharina Kuss	Germany	PRD COLLEGE
Helmholtz-Zentrum fuer Umweltforschung Gmbh – UFZ	Germany	CLUVA
HOL-TEX Gmbh	Germany	NO BUG
Jorg Seifert-Granzin	Germany	REDDAF
Philipps Universitaet Marburg	Germany	EVIMALAR
Robert Koch-Institut	Germany	CHAIN
Technische Universitaet Muenchen	Germany	CLUVA
Universitaet Hamburg	Germany	GEOCARBON
Universitaet Hohenheim	Germany	MIAVITA
Agricultural University of Athens	Greece	INFRAVEC
National and Kapodistrian University of Athens	Greece	CHAIN
Body Wear Ruhaipari KFT	Hungary	NO BUG
AMRA - Analisi e Monitoraggio del Rischio Ambientale Scarl	Italy	CLUVA
Associazione Sud ecologia e Coopera Zione-Onlus	Italy	CEECEC
Centro Agricoltura e Ambiente Giorgio Nicoli Srl	Italy	INFRAVEC
Consiglio Nazionale delle Ricerche	Italy	PRD COLLEGE
Euresist Network Geie	Italy	CHAIN

Fondazione Icona	Italy	CHAIN
Fondazione Penta-For the Treatment and Care of Children With Hiv-Onlus	Italy	CHAIN
Food and Agriculture Organisation of the United Nations Fao	Italy	GEOCARBON
Informa Srl	Italy	CHAIN
Istituto Nazionale di Geofisica e Vulcanologia	Italy	MIAVITA
Istituto Superiore di Ricerca e Formazione sui Materiali Speciali Pertecnologie Avanzate Srl in Breve Isrims Cons A R L	Italy	INFRAVEC
Kell Srl	Italy	MIAVITA
Presidenza del Consiglio dei Ministri - Dipartimento della Protezione Civile	Italy	MIAVITA
Seconda Università Degli Studi di Napoli	Italy	GEOCARBON
Spread European safety Geie	Italy	AFTER
Università Degli Studi Della Tuscia	Italy	GEOCARBON
Università Degli Studi di Camerino	Italy	INFRAVEC
Università Degli Studi di Milano	Italy	CRIMALDDI
Università Degli Studi di Napoli Federico II	Italy	INFRAVEC
Università Degli Studi di Pavia	Italy	INFRAVEC
Università Degli Studi di perugia	Italy	INFRAVEC
Università Degli Studi di Roma Tor Vergata	Italy	CHAIN
Università Degli Studi di Torino	Italy	EVIMALAR
Ministere D'etat	Luxembourg	IRMA
SeS ASTRA TechCom sa	Luxembourg	IRMA
Technologies sans Frontieres ASBL	Luxembourg	IRMA
Universite Du Luxembourg	Luxembourg	IRMA
Integrated Resources Management (IRM) Company Limited	Malta	EUROBROADMAP
Academisch Medisch Centrum Bij de Universiteit van Amsterdam	Netherlands	PRD COLLEGE
Academisch Ziekenhuis Leiden - Leids Universitair Medisch Centrum	Netherlands	EVIMALAR
Bodyknit V.O.F.	Netherlands	NO BUG
Cisco Systems International B. V.	Netherlands	IRMA
erasmus Universitair Medisch Centrum Rotterdam	Netherlands	CHAIN
Stichting Biomedical Primate Research Center	Netherlands	EVIMALAR
Stichting Katholieke Universiteit Brabant Universiteit van Tilburg	Netherlands	IRMA
Stichting Sron Netherlands Institute for Space Research	Netherlands	GEOCARBON

Universitair Medisch Centrum Utrecht	Netherlands	CHAIN
Universiteit Utrecht	Netherlands	RURBANAFRICA
Nasjonalt Kunnskapssenter for Helsetjenesten	Norway	SURE
Norges Forskningsrad	Norway	CAAST-NET
Norsk Institutt for By- Og Regionforskning	Norway	CLUVA
Norsk Institutt for Luftforskning	Norway	MIAVITA
Stiftelsen Nansen Senter for Fjernmaaling	Norway	GEOCARBON
Universitetet i Bergen	Norway	GEOCARBON
Fundacao Da Faculdade de Ciencias e Tecnologia Da Universidade Nova de Lisboa.	Portugal	CEECEC
Fundacao Da Universidade de Lisboa	Portugal	EUROBROADMAP
Fundacao para a Ciencia e a Tecnologia	Portugal	CAAST-NET
Inesc Id - Instituto de engenharia de Sistemas e Computadores, Investigacao e Desenvolvimento em Lisboa	Portugal	MIAVITA
Instituto de Geografia e Ordenamento do Territorio Da Universidade de Lisboa	Portugal	EUROBROADMAP
Instituto de Medicina Molecular	Portugal	EVIMALAR
Instituto Superior Tecnico	Portugal	MIAVITA
Universidade Catolica Portuguesa	Portugal	AFTER
S.C Ro Challenges S.R.L	Romania	NO BUG
Universitatea Alexandru Ioan Cuza din Iasi	Romania	EUROBROADMAP
Univerza v Ljubljani	Slovenia	CHAIN
Fundacio Centre de Recerca en Salut Internacional de Barcelona	Spain	EVIMALAR
Fundacio Privada Institut de Recerca de la Sida-Caixa	Spain	CHAIN
Ministerio de economia y Competitividad	Spain	CAAST-NET
Servicio Madrilenio de salud	Spain	CHAIN
Universidad Politecnica de Madrid	Spain	AFRICA BUILD
Universitat Autonoma de Barcelona	Spain	CEECEC
Nordregio	Sweden	EUROBROADMAP
Smittskyddsinstitutet	Sweden	EVIMALAR
Verket för Innovationssystem	Sweden	CAAST-NET
eidgenoessische Technische Hochschule Zurich	Switzerland	GEOCARBON
Gamma Remote Sensing Research and Consulting AG	Switzerland	GEOCARBON

Medicines for Malaria Venture	Switzerland	CRIMALDDI
Universitaet Bern	Switzerland	EVIMALAR
Universitaet Zuerich	Switzerland	CHAIN
Dokuz Eylul Universitesi	Turkey	EUROBROADMAP
Turkiye Bilimsel ve Teknolojik Arastirma Kurumu	Turkey	CAAST-NET
Association of Commonwealth Universities	United Kingdom	CAAST-NET
Fios Genomics Limited	United Kingdom	E PIAF
Genome Research Limited	United Kingdom	EVIMALAR
International Institute for Environment and Development	United Kingdom	RURBANAFRICA
London School of Hygiene and Tropical Medicine	United Kingdom	EVIMALAR
Loughborough University	United Kingdom	RURBANAFRICA
Oxitec Limited	United Kingdom	INFRAVEC
The Chancellor, Masters and Scholars of the University of Cambridge	United Kingdom	MIAVITA
The Macaulay Land Use Research Institute	United Kingdom	REDD-ALERT
The University of Liverpool	United Kingdom	E PIAF
The University of Manchester	United Kingdom	CLUVA
University College London	United Kingdom	CHAIN
University of Bristol	United Kingdom	GEOCARBON
University of East Anglia	United Kingdom	GEOCARBON
University of Greenwich	United Kingdom	AFTER
University of Keele	United Kingdom	INFRAVEC
University of Leeds	United Kingdom	GEOCARBON

## Egypt

Organisation	Country	Projects
Consiglio Nazionale delle Ricerche	Italy	3D-COFORM, BIONEXGEN, CITYZEN, CLIMATE FOR CULTURE, CREAM, ERANETMED, FORCE, FP4BATIW, MEDINA, MED-SPRING, MIRA, MYCORED, SWUP-MED, ULIXES, V-MUST.NET, WATERBIOTECH
Deutsches Zentrum Fur Luft und Raumfahrt E.V.	Germany	CAAST-NET, CAAST-NET PLUS, CLIMB, ERAFRICA, ERANETMED, HEALTH-NCP-NET, IDEALIST2011, INCONTACT 2020, INCONTACT-ONE WORLD, MED-CSD, MED-SPRING, MIRA.

		OPENAIR, SHERACA PLUS, X-NOISE EV
Institut de Recherche pour le Developpement	France	BRAGMA, CAAST-NET, CAAST-NET PLUS, CREAM, ERAFRICA, INCONTACT 2020, INCONTACT-ONE WORLD, MED-SPRING, MIRA, SHERACA PLUS, SIRIUS
Turkiye Bilimsel Ve Teknolojik Arastirma Kurumu	Turkey	BIOWASTE4SP, CAAST-NET, ERAFRICA, ERANETMED, IDEALIST2011, MED-SPRING, MIRA, MYCORED, PEOPLENETWORK+, SHERACA, SIS.NET
Agenzia per la Promozione della Ricerca Europea	Italy	BIO CIRCLE, BIO CIRCLE 2, HEALTH-NCP-NET, IDEALIST2011, INCONTACT 2020, INCONTACT-ONE WORLD, PEOPLENETWORK+, SHERACA, SIS.NET, V-MUST.NET
Fundacao para a Ciencia e a Tecnologia	Portugal	ARIMNET, ARIMNET2, CAAST-NET, CAAST-NET PLUS, ERAFRICA, ERANETMED, HEALTH-NCP-NET, MED-SPRING, MIRA
Agencia Estatal Consejo Superior de Investigaciones Cientificas	Spain	CREAM, ERANETMED, MEDSEA, MED-SPRING, MIRA, SIRRIMED, SUSTAINMED, ULIXES, VEG-I-TRADE
Centre National de la Recherche Scientifique	France	3D-COFORM, AQUAMED, CITYZEN, ERANETMED, EUMEDGRID-SUPPORT, FLOWAIRS, MEDAR, OPENAIR
Institut National de la Recherche Agronomique	France	AFTER, ARIMNET, ARIMNET2, FOODSEG, MYCORED, PALM PROTECT, SIRRIMED, SUSTAINMED
Foundation for Research and Technology Hellas	Greece	3D-COFORM, BIONEXGEN, CAAST-NET PLUS, CLIMATE FOR CULTURE, INCONET-GCC, INCONTACT 2020, INCONTACT-ONE WORLD, SOMATAI
The Cyprus Research and Educational Foundation	Cyprus	3D-COFORM, CLICO, LINKSCEEM-2, MED-CSD, MED-SPRING, V-MUST.NET
Centre de Cooperation International en Recherche Agronomique pour le Developpement	France	AFTER, ARIMNET, ARIMNET2, CAAST-NET, PALM PROTECT, VMERGE
Forschungszentrum Juelich Gmbh	Germany	BIO CIRCLE, BIO CIRCLE 2, CITYZEN, CLIMB, LINKSCEEM-2, SOMATAI
Fraunhofer-Gesellschaft zur Foerderung Der Angewandten Forschung e.V	Germany	3D-COFORM, CLIMATE FOR CULTURE, EUROAFRICA-P8, MATS, NACIR, V-MUST.NET
Ethniko Idryma Erevnon	Greece	ERANETMED, IDEALIST2011, MED-SPRING, MIRA, PAERIP, SHEMERA
Centro Internazionale di Alti Studi Agronomici Mediterranei - Istituto Agronomico Mediterraneo di Bari	Italy	ERANETMED, MEDPRO, MED-SPRING, MIRA, WASSERMED
Universidad Politecnica de Madrid	Spain	AFRICA BUILD, DEWFORA, MEDPRO, NACIR, OPENAIR, WASSERMED
Universitat Autonoma de Barcelona	Spain	CLICO, FP4BATIW, MEDINA, MEDSEA, PEGASO, SUDSOE

Sihtasutus eesti Teadusagentuur	Estonia	HEALTH-NCP-NET, INCONTACT 2020, INCONTACT-ONE WORLD, PEOPLENETWORK+, SIS.NET
Matimop, Israeli Industry Center for Research & Development	Israel	HEALTH-NCP-NET, IDEALIST2011, MED-SPRING, MIRA, PEOPLENETWORK+
Norges Forskningsrad	Norway	CAAST-NET, CAAST-NET PLUS, IDEALIST2011, INCONTACT 2020, INCONTACT-ONE WORLD
Katholieke Universiteit Leuven	Belgium	3D-COFORM, FLOWAIRS, FRAME, SOMATAI
Sihtasutus Archimedes	Estonia	IDEALIST2011, INCONTACT-ONE WORLD, PEOPLENETWORK+, SIS.NET
IIIMC International Information Management Corporation Limited	Ireland	BRAGMA, IST-AFRICA 2010 - 11, IST-AFRICA 2012-13, IST-AFRICA 2014-15
Office of the Prime Minister	Malta	ARIMNET2, ERANETMED, HEALTH-NCP-NET, MED-SPRING
Instytut Podstawowych Problemow Techniki Polskiej Akademii Nauk	Poland	HEALTH-NCP-NET, IDEALIST2011, PEOPLENETWORK+, SIS.NET
Kungliga Tekniska Hogskolan	Sweden	EUROAFRICA-P8, FLOWAIRS, OPENAIR, SUDSOE
Verket för Innovationssystem	Sweden	CAAST-NET, IDEALIST2011, INCONTACT-ONE WORLD, SIS.NET
Österreichische Forschungsförderungsgesellschaft mbH	Austria	HEALTH-NCP-NET, IDEALIST2011, SIS.NET
Universitaet fuer Bodenkultur Wien	Austria	FOODSEG, MYCORED, WATERBIOTECH
JRC -Joint Research Centre- European Commission	Belgium	DEWFORA, MEDINA, PEGASO
Ministry of Agriculture, Natural Resources and Environment of Cyprus	Cyprus	ARIMNET, ARIMNET2, CREAM
Research Promotion Foundation	Cyprus	ERANETMED, IDEALIST2011, PEOPLENETWORK+
Danmarks Tekniske Universitet	Denmark	BIOWASTE4SP, CAAST-NET PLUS, MYCORED
Association de Coordination Technique pour l'Industrie Agroalimentaire	France	AFTER, BIO CIRCLE, BIO CIRCLE 2
Commissariat a l'energie Atomique et Aux energies Alternatives	France	MATS, MEDAR, MEDSEA
Institut National de la sante et de la Recherche Medicale (INSERM)	France	HEALTH-NCP-NET, HEPACUTE, SPHINX
Universitaet Bremen	Germany	CITYZEN, SAHWA, WATERBIOTECH
Verein zur Foerderung Des Technologietransfers an Der Hochschule Bremerhaven e.V.	Germany	FOODSEG, IWWA, WATERBIOTECH
Hellenic Centre for Marine Research	Greece	CREAM, MEDSEA, PEGASO
National Technical University of Athens	Greece	INDICATE, NIKER, WASSERMED
Bay Zoltan Alkalmazott Kutatasi Kozhasznu Nonprofit KFT.	Hungary	BIO CIRCLE, BIO CIRCLE 2, SHEMERA
Tudomanyos es Technologiai Alapitvany	Hungary	BIO CIRCLE, BIO CIRCLE 2, SHEMERA



Universita Ca' Foscari Venezia	Italy	FORCE, MEDINA, PEGASO
Universita Degli Studi di Napoli Federico II	Italy	FOODSEG, MYCORED, SUSTAINMED
Malta Council for Science and Technology	Malta	IDEALIST2011, MIRA, PEOPLENETWORK+
Ministerie van economische zaken, Landbouw en Innovatie	Netherlands	HEALTH-NCP-NET, IDEALIST2011, PEOPLENETWORK+
Nederlandse Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek - TNO	Netherlands	CASSANDRA, FLOWAIRS, SI-DRIVE
Technische Universiteit eindhoven	Netherlands	CLIMATE FOR CULTURE, FLOWAIRS, SOMATAI
Universiteit Utrecht	Netherlands	FRAME, MEDAR, SOMATAI
Univerza v Ljubljani	Slovenia	CLIMATE FOR CULTURE, FOODSEG, PALM PROTECT
Universite de Geneve	Switzerland	AFRICA BUILD, HEPACUTE, PEGASO
Association of Commonwealth Universities	United Kingdom	CAAST-NET, CAAST-NET PLUS, PAERIP
Natural Environment Research Council	United Kingdom	EAMNET, SWUP-MED, VMERGE
Plymouth Marine Laboratory	United Kingdom	EAMNET, MEDINA, MEDSEA
Zentrum fuer Soziale Innovation	Austria	CAAST-NET PLUS, SI-DRIVE
Agence Bruxelloise pour l'entreprise	Belgium	HEALTH-NCP-NET, IDEALIST2011
Centre for European Policy Studies	Belgium	MEDPRO, SHERACA PLUS
Free Field Technologies S.A.	Belgium	OPENAIR, X-NOISE EV
Universiteit Gent	Belgium	ULIXES, VEG-I-TRADE
Institute of Oceanography and Fisheries	Croatia	AQUAMED, CREAM
Cyprus Research and Academic Network	Cyprus	EUMEDGRID-SUPPORT, LINKSCEEM-2
Ceske Vysoke Ucení Technické v Praze	Czech Republic	CLIMATE FOR CULTURE, X-NOISE EV
Technologické Centrum Akademie Věd České Republiky	Czech Republic	HEALTH-NCP-NET, SIS.NET
Københavns Universitet	Denmark	FOODSEG, SWUP-MED
Jyväskylän yliopisto- University of Jyväskylä	Finland	CAAST-NET, CAAST-NET PLUS
Teknologian Tutkimuskeskus (VTT)	Finland	EUROAFRICA-P8, OPENAIR
Agence Nationale de la Recherche	France	ARIMNET2, ERANETMED
Airbus Operations SAS	France	OPENAIR, X-NOISE EV
Anima Investment Network	France	MED-SPRING, SAHWA
Centre International des Hautes Etudes Agronomiques Méditerranéennes Institut Agronomique Méditerranéen de Montpellier	France	ARIMNET2, SUSTAINMED
Centre National de la Recherche Scientifique (CNRS)	France	EUROSUNMED, SOMATAI

Institut Francais de Recherche pour l'exploitation de la Mer	France	CREAM, PEGASO
Office National d'etudes et de Recherches Aerospatiales	France	OPENAIR, X-NOISE EV
Snecma sa	France	OPENAIR, X-NOISE EV
Universite d'Aix Marseille	France	NUROMED, WATERBIOTECH
Universite de la Mediterranee d'Aix-Marseille II	France	MIRA, NUROMED
Bundesministerium fuer Bildung und Forschung	Germany	ERAFRICA, ERANETMED
Max Planck Gesellschaft zur Foerderung Der Wissenschaften e.V.	Germany	CLIMATE FOR CULTURE, LINKSCEEM-2
Potsdam Institut fuer Klimafolgenforschung	Germany	DEWFORA, WASSERMED
Technische Universitaet Muenchen	Germany	CLIMATE FOR CULTURE, FLOWAIRS
Anonymi etaireia Viomichanikis erevna Kai Technologikis Anaptyxis Tis Viomichanias Trofimon - Food Industrial Research and Technological Development Company sa	Greece	BIO CIRCLE, BIO CIRCLE 2
Centre for Research and Technology Hellas	Greece	INCONTACT 2020, PEOPLENETWORK+
Hellinikos Georgikos Organismos - dimitra (Hellenic Agricultural Organization - Demeter)	Greece	ARIMNET, ARIMNET2
INASCO - Integrated Aerospace Sciences Corporation O.e.	Greece	OPENAIR, X-NOISE EV
Aquatt Uetp Ltd	Ireland	AQUAMED, FORCE
Ministry of Agriculture and Rural Development	Israel	ARIMNET, ARIMNET2
The Agricultural Research Organisation of Israel - the Volcani Centre	Israel	AQUAMED, PALM PROTECT
Alma Mater Studiorum-Universita di Bologna	Italy	RECOCAPE, ULIXES
Centro Euro-Mediterraneo per I Cambiamenti Climatici Scarl	Italy	MEDSEA, WASSERMED
Cometa Consorzio Multi ente per Lapromozione e L Adozione di Tecnologie di Calcolo Avanzato	Italy	EUMEDGRID-SUPPORT, INDICATE
Consortium Garr	Italy	EUMEDGRID-SUPPORT, INDICATE
Ministero Delle Politiche Agricole Alimentari e Forestali	Italy	ARIMNET, ARIMNET2
Universita Degli Studi di Ferrara	Italy	EUNAM, INCONET-GCC
Universita Degli Studi di Padova	Italy	CLIMB, NIKER
Universita Degli Studi di Roma la sapienza	Italy	CREAM, MYCORED
Stichting dienst Landbouwkundig Onderzoek	Netherlands	MYCORED, VMERGE
Stichting Nationaal Lucht- en Ruimtevaartlaboratorium	Netherlands	OPENAIR, X-NOISE EV
Agencia de Inovacao - Inovacao empresarial e Transferencia de Tecnologia	Portugal	HEALTH-NCP-NET, IDEALIST2011

Institutul National de Cercetare-Dezvoltare Turbomotoare – Comoti	Romania	OPENAIR, X-NOISE EV
Bioazul	Spain	IWWA, WATERBIOTECH
Centro para el Desarrollo Tecnológico Industrial	Spain	HEALTH-NCP-NET, IDEALIST2011
Fundacion Gaiker	Spain	FOODSEG, IWWA
Instituto Nacional de Investigacion y Tecnologia Agraria y Alimentaria	Spain	ARIMNET, ARIMNET2
Mediterranean Agronomic Institute of zaragoza / International Centre for Advanced Mediterranean Agronomic Studies	Spain	CREAM, DEWFORA
Ministerio de Ciencia e Innovacion	Spain	ERAFRICA, MIRA
Ministerio de economia y Competitividad	Spain	CAAST-NET, ERANETMED
Universidad de Cordoba	Spain	PALM PROTECT, SIRRIMED
Universidad de la Iglesia De Deusto	Spain	FRAME, SI-DRIVE
Universidad de Lleida	Spain	MYCORED, SAHWA
Universidad Pablo de Olavide	Spain	MEDINA, PEGASO
Universidad Politecnica de Valencia	Spain	PALM PROTECT, SUSTAINMED
Universitat Politecnica de Catalunya	Spain	NIKER, WATERBIOTECH
Universitat Politecnica de Valencia	Spain	NUROMED, SIRIUS
Lunds Universitet	Sweden	EUNAM, V-MUST.NET
Ecole Polytechnique Federale de Lausanne	Switzerland	OPENAIR, X-NOISE EV
Eidgenoessische Technische Hochschule Zurich	Switzerland	3D-COFORM, CLICO
Union Internationale pour la Conservation de la Nature et de Ses Ressources	Switzerland	MEDINA, PEGASO
Verein Euresearch	Switzerland	IDEALIST2011, PEOPLENETWORK+
Istanbul Teknik Universitesi	Turkey	SHEMERA, SI-DRIVE
Middle East Technical University	Turkey	CITYZEN, SAHWA
Ministry of Food Agriculture and Livestock	Turkey	ARIMNET, ARIMNET2
Airbus Operations Limited	United Kingdom	OPENAIR, X-NOISE EV
Cranfield University	United Kingdom	MATS, MYCORED
Forum for Agricultural Research in Africa	United Kingdom	BIO CIRCLE, BIO CIRCLE 2
Imperial College of Science, Technology and Medicine	United Kingdom	HEPACUTE, OPENAIR
London School of Economics and Political Science	United Kingdom	CLIMATE FOR CULTURE, INCONET-GCC
The Secretary of State for Environment, Food and Rural Affairs	United Kingdom	FOODSEG, PALM PROTECT

The University Court of the University of Aberdeen	United Kingdom	ARABTRANS, FOODSEG
The University of Nottingham	United Kingdom	FRAME, PEGASO
University of Bath	United Kingdom	NIKER, WATERBIOTECH
University of Brighton	United Kingdom	3D-COFORM, V-MUST.NET
University of East Anglia	United Kingdom	3D-COFORM, CLICO
University of Southampton	United Kingdom	OPENAIR, X-NOISE EV
Ait Austrian Institute of Technology GMBH	Austria	SI-DRIVE
Bio-Ferm, Biotechnologische entwicklung und Produktion Gmbh	Austria	MYCORED
Biomim Holding Gmbh	Austria	FOODSEG
di Andreas Moser Rtd Services -Rtds	Austria	FOODSEG
Europaisches Trainings und Forschungszentrum fur Menschenrechte und Demokratie	Austria	FRAME
Institut fuer Hoehere Studien und Wissenschaftliche Forschung	Austria	ARABTRANS
Internationales Institut fuer Angewandte Systemanalyse	Austria	CITYZEN
Joanneum Research Forschungsgesellschaft MbH	Austria	CLIMB
Kä„Ferhaus Gmbh	Austria	CLIMATE FOR CULTURE
Kuehne + Nagel Gmbh	Austria	CASSANDRA
Ludwig Boltzmann Gesellschaft Österreichische Vereinigung zur Förderung der Wissenschaftlichen Forschung	Austria	FRAME
Oead (Österreichische Austauschdienst)-Gesellschaft mit Beschränkter Haftung - Austrian Agency for International Cooperation in education and Research	Austria	ERAFRICA
Österreichische Forschungsfoerderungsgesellschaft mbH	Austria	PEOPLENETWORK+
Oesterreichisches Institut fuer Internationale Politik	Austria	SUSTAINERGYNET
Organisation for International dialogue and Conflict Management	Austria	SUSTAINERGYNET
Paris-Iodron-Universität salzburg	Austria	BRAGMA
Romer Labs diagnostic Gmbh	Austria	MYCORED
Romer Labs division Holding Gmbh	Austria	MYCORED
Technische Universitaet Graz	Austria	3D-COFORM
Veterinaermedizinische Universitaet Wien	Austria	FOODSEG
Advanced Biological Technologies Belgium	Belgium	VEG-I-TRADE
Allgro N.V.	Belgium	VEG-I-TRADE

Conseil Interuniversitaire de la Communaute Francaise	Belgium	ERAFRICA
European Agro Environmental Healthassociates Geie	Belgium	VMERGE
European Renewable Energy Centres Agency Eeig	Belgium	EUROSUNMED
Federation Europeenne d'associations Nationales Travaillant Avec Les Sans-Abri Aisbl	Belgium	SI-DRIVE
Federation Europeenne Des Fabricants d'Additifs pour la Nutrition Animale	Belgium	MYCORED
Gs1 Aisbl	Belgium	CASSANDRA
Hogeschool West-Vlaanderen Howest	Belgium	VEG-I-TRADE
Inagro, Provinciaal extern Verzelfstandigd Agentschap in Privaatrechtelijke Vorm Vzw	Belgium	VEG-I-TRADE
Isc Intelligence in Science Sprl	Belgium	PAERIP
Israeli-Palestinian Science Organization	Belgium	CLICO
Lms International nv	Belgium	FLOWAIRS
Musee Royal de l'Afrique Centrale	Belgium	BRAGMA
Nutrition Sciences N.V.	Belgium	FOODSEG
Prins Leopold Instituut Voor Tropische Geneeskunde	Belgium	AFRICA BUILD
Proefcentrum Voor Innovatie, Verbreding en Advies in Landbouw en Veehouderij	Belgium	VEG-I-TRADE
Special Fruit Nv	Belgium	VEG-I-TRADE
Sustainable Communication AISBL	Belgium	MED-SPRING
The Von Karman Institute for Fluid Dynamics	Belgium	FLOWAIRS
Universite Libre de Bruxelles	Belgium	SHEMERA
Van Laethem BVBA	Belgium	VEG-I-TRADE
Visual dimension BVBA	Belgium	V-MUST.NET
Vlaams Instituut voor de Zee VZW	Belgium	PEGASO
Vlaamse Instelling Voor Technologisch Onderzoek N.V.	Belgium	BAT4MED
Zemblaz nv	Belgium	CASSANDRA
Applied Research and Communications Fund	Bulgaria	SI-DRIVE
Institute of Information and Communication Technologies	Bulgaria	IDEALIST2011
Institute of Oceanology - Bulgarian Academy of Sciences	Bulgaria	CREAM
Sofia University " St. Kliment Ohridski"	Bulgaria	PEOPLENETWORK+

University of Food Technologies	Bulgaria	FOODSEG
University of Plovdiv	Bulgaria	SAHWA
Hrvatski Institut za Tehnologiju	Croatia	IDEALIST2011
Institut za Jadranske Kulture I Melioraciju Krša-Split	Croatia	ARIMNET2
Laboratorij za Drustvene Inovacije Udruge	Croatia	SI-DRIVE
Priority Actions Programme Regional Activity Centre	Croatia	PEGASO
Sveuciliste U zagrebu Gradevinski Fakultet	Croatia	CLIMATE FOR CULTURE
University of Zagreb-Faculty of Veterinary Medicine	Croatia	FOODSEG
Cyprus Center for European and International Affairs	Cyprus	MEDPRO
Ministry of Health of the Republic of Cyprus	Cyprus	DEEP
Planning Bureau	Cyprus	MIRA
Rci Research & Consultancy Institute Ltd	Cyprus	JOIN-MED
KyberTec s.r.o.	Czech Republic	CLIMATE FOR CULTURE
Masaryk University	Czech Republic	SUDSOE
Ustav teoreticke a aplikovane mechaniky AV CR V.V.I.	Czech Republic	NIKER
Ustav teorie informace a automatizace AV CR, V.V.I.	Czech Republic	IDEALIST2011
Vysoka Skola Chemicko-Technologicka V Praze	Czech Republic	FOODSEG
Danmarks Meteorologiske Institut	Denmark	EAMNET
Institut for Menneskerettigheder	Denmark	FRAME
Kobenhavns Universitet	Denmark	MEDAR
Teknologisk Institut	Denmark	BIOWASTE4SP
Archimedes Foundation	Estonia	HEALTH-NCP-NET
Abo Akademi	Finland	FRAME
Federation of Finnish Learned Societies	Finland	SIS.NET
Nuorisotutkimusseura Ry Ungdomsforskningssallskapet Rf	Finland	SAHWA
Pellervon Taloudellisen Tutkimuslaitoksen Kannatusyhdistys Ry	Finland	SUSTAINMED
Työ- Ja elinkeinoministeriö	Finland	ERAFRICA
Agence Nationale de Securite Sanitaire de l'Alimentation, de l'Environnement et du Travail	France	VMERGE
Aircelle sa	France	OPENAIR
ARTTIC	France	OPENAIR
Association pour les Transferts de Technologies du Mans	France	OPENAIR



Atmostat	France	OPENAIR
Commissariat a l' Energie Atomique	France	SOMATAI
Conference Des Regions peripheriques Maritimes d Europe - Association	France	MED-SPRING
Dassault Aviation sa	France	OPENAIR
Direction Generale de l'Armement/ DGA essais Propulseurs	France	OPENAIR
Electricite de France S.A.	France	MED-CSD
European Fisheries and Aquaculture Organisation	France	AQUAMED
European Materials Research Society	France	EUROSUNMED
European Space Agency	France	MEDINA
Evaluations and Language Resources distribution Agency	France	MEDAR
Femia - Forum Euro-Mediterraneen Pour l'innovation en Action	France	SHERACA PLUS
FeMISe-Forum Euro-Méditerranéen d'Instituts de Sciences économiques	France	MEDPRO
Fondation Tour Du Valat	France	PEGASO
GFIC saRL	France	X-NOISE EV
Groupe de Recherche et d'echanges Technologiques	France	SUSTAINERGYNET
Herakles sa	France	OPENAIR
Inserm - Transfert SA	France	HEPACUTE
Installation Europeenne de Rayonnement Synchrotron	France	LINKSCEEM-2
Institut de Recherche et Documentation en Economie de la Sante	France	EUNAM
Institut National de l Environnement et des Risques Ineris	France	CITYZEN
Institut National de Recherche en Informatique et en Automatique (INRIA)	France	V-MUST.NET
Institut National de Recherche en Sciences et Technologies pour l'environnement et l'Agriculture	France	CLIMB
Institut National du Patrimoine	France	CLIMATE FOR CULTURE
Institut Pasteur	France	SPHINX
ITeMS International	France	INCONET-GCC
Messier-dowty SA	France	OPENAIR
Meteo-France	France	EAMNET
Ministere de la Culture et de la Communication	France	INDICATE

Observatoire Meditteraneeen de L'energie	France	MED-CSD
Pathoquest SAS	France	VMERGE
Plan Bleu pour l'environnement et le Developpement en Meditterannee	France	PEGASO
Pole de Competitivite Capenergies-Capenergies Association	France	MARE
Racines sa	France	AFTER
Safran Engineering Services	France	X-NOISE EV
Sigma Consultants	France	EUROAFRICA-P8
Sigma Orionis	France	PAERIP
Snecma Propulsion Solide	France	OPENAIR
UBIFRANCE-Agence Francaise pour le Developpement International des entreprises	France	IDEALIST2011
United Nations educational, Scientific and Cultural Organization – UNESCO	France	PEGASO
Universite d'Angers - University of Angers	France	CLIMB
Universite de Perpignan	France	MEDSEA
Universite Francois Rabelais de Tours	France	CLIMB
Universite Lyon 2 louis Lumiere	France	MEDAR
Universite Paul Cezanne Aix Marseille III	France	WATERBIOTECH
Universite Pierre et Marie Curie - Paris 6	France	MEDSEA
Airbus Operations Gmbh	Germany	OPENAIR
Alfred-Wegener-Institut fuer Polar- und Meeresforschung	Germany	MEDSEA
Andreas Weiss Freelance Conservator Restorer	Germany	CLIMATE FOR CULTURE
Audi Aktiengesellschaft	Germany	FLOWAIRS
Bayerische Forschungsallianz (Bavarian Research Alliance) Gmbh	Germany	CLIMB
Bayerische Staatsministerium Der Finanzen	Germany	CLIMATE FOR CULTURE
Breuckmann Gmbh	Germany	3D-COFORM
Bundesanstalt fuer Materialforschung und –Pruefung	Germany	NIKER
Centma Gmbh	Germany	FOODSEG
Christian-Albrechts-Universitaet zu Kiel	Germany	CLIMB
Dbh logistics It Ag	Germany	CASSANDRA
Deutsches Krebsforschungszentrum	Germany	EUNAM

Doerner Institut, Bayerische Staatsgemä, Ldesammlungen	Germany	CLIMATE FOR CULTURE
Eads Deutschland Gmbh	Germany	OPENAIR
Ecologic Institut Gemeinnützige Gmbh	Germany	CLICO
Edi Experimentelle und Diagnostische Immunologie Gmbh	Germany	SPHINX
Eurofins CTC Gmbh	Germany	FOODSEG
European Research and Project Office Gmbh	Germany	RAMSES
Freie Universitaet Berlin	Germany	FOODSEG
Friedrich Loeffler Institut - Bundesforschungsinstitut fuer Tiergesundheit	Germany	VMERGE
Helmholtz-Zentrum Potsdam Deutsches Geoforschungszentrum	Germany	DEWFORA
Hochschule Karlsruhe Technik und Wirtschaft	Germany	BIONEXGEN
Institut fuer Seeverkehrswirtschaft und logistik	Germany	CASSANDRA
Inven Engineering Gmbh	Germany	MED-CSD
IT Consult Gmbh	Germany	JOIN-MED
Kernenergien - the Solar Power Company	Germany	MED-CSD
Klinikum Der Universitaet zu Koeln	Germany	HEPACUTE
Klinikum Der Universitat Muenchen	Germany	HEPACUTE
Krah&Grote Measurement Solution	Germany	CLIMATE FOR CULTURE
Leibniz-Institut fur Polymerforschung Dresden EV	Germany	SOMATAI
Ludwig-Maximilians-Universitaet Muenchen	Germany	CLIMB
Max Planck Institut fur Eisenforschung GMBH	Germany	SOMATAI
Max Rubner Institut Bundesforschungsinstitut Fur ernahrung und Lebensmittel	Germany	MYCORED
Medizinische Hochschule Hannover	Germany	HEPACUTE
Microdyn-Nadir Gmbh	Germany	BIONEXGEN
Mosaiques diagnostics Gmbh	Germany	HEPACUTE
Muller-Bbm Gmbh	Germany	FLOWAIRS
Naturwissenschaftliches und Medizinisches Institut an Der Universitaet Tuebingen	Germany	SPHINX
Oeko-Institut E.V. - Institut fuer Angewandte Oekologie	Germany	IWWA
PFW Aerospace Ag	Germany	OPENAIR
Rheinische Friedrich-Wilhelms-Universitaet Bonn	Germany	3D-COFORM

Rheinisches Institut fuer Umwelt-Forschung an Der Universitaet zu Koeln e.V.	Germany	CITYZEN
Rolls-Royce Deutschland Ltd & Co Kg	Germany	OPENAIR
Ruhr-Universitaet Bochum	Germany	MECODEM
Senator fuer Wirtschaft und Haefen Bremen	Germany	CASSANDRA
Soitec Solar Gmbh	Germany	NACIR
Spheronvr Ag	Germany	3D-COFORM
Steinbeis Innovation Ggmbh	Germany	BIONEXGEN
Technische Universitaet Berlin	Germany	IWWA
Technische Universitaet Dortmund	Germany	SI-DRIVE
Technische Universitaet Dresden	Germany	SUSTAINERGYNET
The European Organisation for the exploitation of Meteorological satellites	Germany	EAMNET
Universitaet Hamburg	Germany	MECODEM
Universitaet zu Koeln - Universitaetsklinikum	Germany	RAMSES
Universitaetsklinikum erlangen	Germany	DEEP
Universitaetsklinikum Freiburg	Germany	HEPACUTE
Vista Geowissenschaftliche Fernerkundung Gmbh	Germany	CLIMB
Westfalische Hochschule Gelsenkirchen, Bocholt, Recklinhausen	Germany	SI-DRIVE
Wip Gmbh & Co Kg - Wirtschaft und Infrastruktur Gmbh & Co Planungs KG	Germany	MIRA
Zentrum fuer Europaeische Wirtschaftsforschung Gmbh	Germany	MEDPRO
Ziegert Seiler Ingenieure Gmbh	Germany	NIKER
Aristotelio Panepistimio Thessalonikis	Greece	FOODSEG
Benaki Phytopathological Institute	Greece	PALM PROTECT
enieos Foreas eleghou Trofinon	Greece	BIO CIRCLE 2
Euroconsultants S.A.	Greece	INCONET-GCC
Idrima Meizonos Ellinismou	Greece	V-MUST.NET
Institute for Language and Speech Processing - "Athena" Research Center	Greece	MEDAR
Institute of Communication and Computer Systems	Greece	MEDPRO
Kentro Ananeosimon Pigon Ke Exikononismis Energeias (Centre for Renewable Energy Sources and Saving)	Greece	MARE

Kentro erevna Technologias Kai Anaptyxis Thessalias	Greece	SIRRIMED
Knowledge & Innovation Consultants Symvouleftiki Monoprosopi Epe	Greece	MARE
Maria Tsampoula Kai Sia ee	Greece	HEALTH-NCP-NET
Mediterranean Agronomic Institute of Chania	Greece	SUSTAINMED
National Agricultural Research Foundation	Greece	ARIMNET
National and Kapodistrian University of Athens	Greece	DEEP
National Observatory of Athens	Greece	CITYZEN
Planet S.A	Greece	JOIN-MED
Research and Development of Carbon Nanotubes S.A.	Greece	BIONEXGEN
S&B Industrial Minerals Mining Quarrying Industrial Commercial Touristshipping Technical Company SA	Greece	NIKER
Technical University of Crete	Greece	ULIXES
University of Crete	Greece	CITYZEN
University of Patras	Greece	OPENAIR
Budapesti Muszaki es Gazdasagtudomanyi egyetem	Hungary	X-NOISE EV
Cereal Research Non-Profit Company	Hungary	MYCORED
Eötvös Loránd Tudományegyetem	Hungary	FRAME
Közép-Magyarországi Regionális Innovációs Ügynökség Közhásznu Egyesület	Hungary	IDEALIST2011
Haskoli Islands	Iceland	IDEALIST2011
The Icelandic Centre for Research	Iceland	SIS.NET
Dublin City University	Ireland	ARABTRANS
Noho Limited	Ireland	V-MUST.NET
Teagasc - Agriculture and Food Development Authority	Ireland	FOODSEG
The Provost Fellows & Scholars of the College of the Holy and Undivided Trinity of Queen Elizabeth Near Dublin	Ireland	X-NOISE EV
University College Dublin, National University of Ireland, Dublin	Ireland	FRAME
Bar Ilan University	Israel	MEDSEA
Inter University Computation Centre	Israel	LINKSCEEM-2
Israel Antiquities Authority	Israel	NIKER
Mekorot Water Company Israel	Israel	MED-CSD

Palestinian Academy for Science and Technology	Israel	JOIN-MED
The Hebrew University of Jerusalem	Israel	CLICO
Agenzia Nazionale per le Nuove Tecnologie, l'Energia e lo Sviluppo economico Sostenibile	Italy	MATS
Agris sardegna - Agenzia per la Ricerca in Agricoltura	Italy	CLIMB
Alenia Aeronautica SPA	Italy	X-NOISE EV
Archimede Solar Energy SRL	Italy	MATS
Ariespace SRL	Italy	SIRIUS
Associazione Internazionale Volontari Laici	Italy	MED-SPRING
Avio S.P.A	Italy	OPENAIR
Azienda Ospedaliera Antonio Cardare	Italy	DEEP
Azienda Ospedaliera di Padova	Italy	DEEP
Azienda Ospedaliera Ospedali Riuniti Villa Sofia-Cervello	Italy	DEEP
Azienda Ospedaliero Universitaria Consorziale Policlinico di Bari	Italy	DEEP
Azienda Ospedaliero-Universitaria di Parma	Italy	HEPACUTE
Bozza Legnami S.R.L.	Italy	NIKER
Centro di Ricerca, Sviluppo e Studi Superiori in sardegna	Italy	CLIMB
Centro Internazionale di Alti Studi Agronomici Mediterranei - Istituto Agronomico Mediterraneo di Bari (Iamb)	Italy	INGEDI
Centro Interuniversitario Europeo per i Diritti Umani e la Democratizzazione Associazione	Italy	FRAME
Centro Italiano Ricerche Aerospaziali SCPA	Italy	OPENAIR
Clu Srl	Italy	WASSERMED
Comune di Roma	Italy	V-MUST.NET
Consorzio di Bonifica di Secondo Grado per Il Canale emiliano Romagnolo	Italy	SIRRIMED
Consorzio Interuniversitario Cineca	Italy	V-MUST.NET
Consorzio Interuniversitario Nazionale per la Fisica Delle Atmosfere e Delle Idrosfere	Italy	CLIMB
Consorzio Nazionale Interuniversitario per le Scienze del Mare	Italy	MEDSEA
Consorzio per Il Centro Interuniversitario di Biologia Marina ed Ecologia Applicata G. Bacci	Italy	CREAM
Consorzio per Valutazioni Biologiche e Farmacologiche	Italy	DEEP



Consorzio Pisa Ricerche Scarl	Italy	IDEALIST2011
Coop Italia - Societa' Cooperativa (Scarl)	Italy	FOODSEG
Ecotechsystems Srl	Italy	ULIXES
Fondazione Andrea Cesalpino	Italy	SPHINX
Fondazione Eni Enrico Mattei	Italy	MEDPRO
Fondazione Idis-Città Della Scienza	Italy	SHEMERA
Fondazione Italiana Leonardo Giambone per la Guarigione Della Thalassemia	Italy	DEEP
Fondazione per la Ricerca Farmacologica Gianni Benzi Onlus	Italy	DEEP
Fondazione salvatore Maugeri Clinica del Lavoro e Della Riabilitazione	Italy	CLIMATE FOR CULTURE
Food and Agriculture Organization of the United Nations Fao	Italy	VMERGE
Innolabs Srl	Italy	FP4BATIW
Innova Bic - Business Innovation Centre Srl	Italy	FP4BATIW
International Centre for Genetic engineering and Biotechnology	Italy	HEALTH-NCP-NET
Istituto Affari Internazionali	Italy	MEDPRO
Istituto Centrale per Il Catalogo Unico Delle Biblioteche Italiane e per le Informazioni Bibliografiche	Italy	INDICATE
Istituto di Studi per L'integrazione Dei Sistemi Srl	Italy	MEDPRO
Istituto Nazionale di economia Agra Ria	Italy	SIRIUS
Istituto Nazionale di Economia Agraria	Italy	ARIMNET2
Istituto Nazionale di Fisica Nucleare	Italy	EUMEDGRID-SUPPORT
Istituto Nazionale di Oceanografia e di Geofisica Sperimentale Ogs	Italy	MEDSEA
Istituto per Gli Studi di Politica Internazionale	Italy	ARABTRANS
Istituto Superiore di sanita	Italy	FOODSEG
Istituto Zooprofilattico Sperimentale Dell'abruzzo e Del Molise "G. Caporale" di Teramo	Italy	VMERGE
Lama Development and Cooperation Agency Societa Cooperativa	Italy	SI-DRIVE
Matrix Srl	Italy	MYCORED
Ministero Del l'istruzione, Del l'universita 'e della Ricerca	Italy	ERANETMED
Nastech SRL - Novel Aerospace Technologies	Italy	OPENAIR
Pin Soc.Cons. a R.L. - Servizi didattici e Scientifici per l'Universita di Firenze	Italy	3D-COFORM

Politecnico di Milano	Italy	NIKER
Regione Puglia	Italy	ERANETMED
Ronda Spa	Italy	MATS
Scuola Superiore di Studi Universitari e di perfezionamento sant'anna	Italy	BAT4MED
Spread European safety Geie	Italy	AFTER
Techint Compagnia Tecnica Internazionale Spa	Italy	MED-CSD
Tecnimont KT - Kinetics Technology Spa	Italy	MATS
Turboden Srl	Italy	EUROSUNMED
Unimed Unione Delle Universita Delmediterraneo Associazione	Italy	MED-SPRING
Universita Cattolica del Sacro Cuore	Italy	MYCORED
Universita degli Studi di Firenze	Italy	3D-COFORM
Universita Degli Studi di Milano	Italy	ULIXES
Universita Degli Studi di Milano-Bicocca	Italy	SAHWA
Universita Degli Studi di Palermo	Italy	PALM PROTECT
Universita' Degli Studi di Siena	Italy	BIOWASTE4SP
Universita Degli Studi di Trento	Italy	CLIMB
Universita Degli Studi Roma Tre	Italy	OPENAIR
Universita di Pisa	Italy	THEBERA
Universita Politecnica Delle Marche	Italy	PALM PROTECT
Xiwrite Srl	Italy	NUROMED
Latvijas Zinatnes Padome	Latvia	HEALTH-NCP-NET
Starptautiska Lietiskas Optikas Biedriba	Latvia	IDEALIST2011
Kazimiero Simonaviciaus Universitetas Uab	Lithuania	SI-DRIVE
Lietuvos Sveikatos Mokslu Universitetas	Lithuania	FOODSEG
Vilniaus Gedimino Technikos Universitetas	Lithuania	X-NOISE EV
Intelligentsia Consultants Sàrl	Luxembourg	ADM-ERA
Intrasoft International sa	Luxembourg	CASSANDRA
Luxinnovation Gie	Luxembourg	IDEALIST2011
Integrated Resources Management (IRM) Company Limited	Malta	SIRIUS
Ministry for Resources and Rural Affairs	Malta	CREAM
Universita ta Malta	Malta	EUMEDGRID-SUPPORT

Dsm Innovation Center B.V.	Netherlands	SOMATAI
eCT Participations Bv	Netherlands	CASSANDRA
Erasmus Universiteit Rotterdam	Netherlands	CASSANDRA
IBM Nederland Nv	Netherlands	CASSANDRA
Koninklijke Nederlandse Akademie van Wetenschappen – KNAW	Netherlands	MEDPRO
Ministerie Binnenlandse zaken en Koninkrijksrelaties	Netherlands	CASSANDRA
Ministerie van Financien directoraat Generaal Belastingdienst	Netherlands	CASSANDRA
Nizo Food Research BV	Netherlands	SOMATAI
Portbase Bv	Netherlands	CASSANDRA
Rijksinstituut Voor Volksgezondheid en Milieu	Netherlands	MYCORED
Seacon Venlo expeditie B.V.	Netherlands	CASSANDRA
Senternovem	Netherlands	BIO CIRCLE
Stichting Deltares	Netherlands	DEWFORA
Stichting Het Nederlands Kanker Instituut	Netherlands	SPHINX
Stichting International Institute for Communication and Development	Netherlands	EUROAFRICA-P8
Stichting Wetlands International	Netherlands	DEWFORA
Technische Universiteit Delft	Netherlands	CASSANDRA
The Technical Centre For Agricultural And Rural Cooperation	Netherlands	CAAST-NET PLUS
To70 B.V.	Netherlands	X-NOISE EV
UNESCO-Ihe Institute for Water education	Netherlands	DEWFORA
Universiteit Leiden	Netherlands	DEEP
Universiteit van Amsterdam	Netherlands	V-MUST.NET
Vereniging Voor Christelijk Hoger Onderwijs Wetenschappelijk Onderzoek en Patientenzorg	Netherlands	SIRRIMED
Wageningen University	Netherlands	VEG-I-TRADE
A.L Gartnerhallen	Norway	VEG-I-TRADE
Institutt for Fredsforskning Stiftelse	Norway	CLICO
Meteorologisk Institutt	Norway	CITYZEN
Nofima Mat As	Norway	FOODSEG
Norges Veterninaerhogskole	Norway	VEG-I-TRADE
Norsk Institutt for Luftforskning	Norway	CITYZEN
Norsk Institutt for Vannforskning	Norway	VEG-I-TRADE

Sintef Energi As	Norway	EUROSUNMED
Stiftelsen Sintef	Norway	EUROSUNMED
Universitetet I Oslo	Norway	CITYZEN
Veterinaerinstitutet - Norwegian Veterinary Institute	Norway	VEG-I-TRADE
Case - Centrum Analiz Społeczno- ekonomicznych- Fundacja Naukowa	Poland	MEDPRO
Instytut lotnictwa	Poland	X-NOISE EV
Instytut Uprawy Nawożenia I Gleboznawstwa, Państwowy Instytut Badawczy	Poland	FOODSEG
Microtech International Spolka Akcyjna	Poland	OPENAIR
Radon Jan - engineering Consulting & Software Development	Poland	CLIMATE FOR CULTURE
Uniwersytet Im. Adama Mickiewicza w Poznaniu	Poland	FRAME
Aavanz - Inovacao Unipessoal Lda	Portugal	BRAGMA
Administracao dos Portos de Setubale Sesimbra sa	Portugal	CASSANDRA
Fundacao Da Faculdade de Ciencias e Tecnologia Da Universidade Nova de Lisboa.	Portugal	SIRIUS
Gmvis Skysoft sa	Portugal	CASSANDRA
IMAR- Instituto do Mar	Portugal	EAMNET
Instituto de Investigacao Cientifica Tropical	Portugal	BRAGMA
Instituto de Tecnologia Quimica e Biologica - Universidade Nova de Lisboa	Portugal	SWUP-MED
Instituto Superior Tecnico	Portugal	X-NOISE EV
Monumenta - Conservacao e Restauero do Patrimonio Architectonico Lda*	Portugal	NIKER
Umic - Agencia para a Sociedade do Conhecimento - Umic - Knowledge Society Agency	Portugal	EUROAFRICA-P8
Universidade Catolica Portuguesa	Portugal	AFTER
Universidade do Minho	Portugal	NIKER
Universidade do Porto	Portugal	DEWFORA
Autoritatea Nationala Pentru Cercetare Stiintifica	Romania	HEALTH-NCP-NET
Institute of Agricultural economics	Romania	SIRIUS
Institute of Cellular Biology and Pathology 'Nicolae Simionescu' - Romanian Academy	Romania	RAMSES

Institutul National de Cercetare - Dezvoltare Pentru Imbunatatiri Funciare - I.N.C.D.I.F. - "Ispif" Bucuresti	Romania	SIRIUS
Institutul National de Cercetare-Dezvoltare Delta Dunarii	Romania	PEGASO
Institutul National de Cercetare-Dezvoltare in Informatica - Ici Bucuresti	Romania	IDEALIST2011
Institutul National de Cercetare-Dezvoltare Marina Grigore Antipa	Romania	CREAM
Institutul National de Cercetare-Dezvoltare Pentru Biologie si Nutritie Animala	Romania	FOODSEG
Ministerul educatiei Nationale	Romania	HEALTH-NCP-NET
SC Aerostar sa	Romania	OPENAIR
Universitate Danubius Organizatie Non Profit	Romania	SI-DRIVE
Universitatea Dunarea de Jos din Galati	Romania	FOODSEG
Universitatea Tehnica Cluj-Napoca	Romania	ADM-ERA
Aas Avtorska Agencija za Slovenijo doo	Slovenia	INDICATE
Gradbeni Institut Zrmk doo	Slovenia	CLIMATE FOR CULTURE
Institut Jozef Stefan	Slovenia	IDEALIST2011
Ministrstvo za Izobrazevanje, Znanost, Kulturo in Sport	Slovenia	ARIMNET2
Ministrstvo za Kmetijstvo in Okolje	Slovenia	ARIMNET2
Slovenska Technicka Univerzita v Bratislave	Slovak Republic	IDEALIST2011
Vyskumny Ustav Potravinarsky	Slovak Republic	FOODSEG
Acciona Infraestructuras S.A.	Spain	CLIMATE FOR CULTURE
Agencia de Gestio D'ajuts Universitaris i de Recerca	Spain	ERANETMED
Agencia de Residus de Catalunya	Spain	BAT4MED
Analisis Sociologicos, economicos y Politicos S.A	Spain	ARABTRANS
Anotec Consulting Sl	Spain	X-NOISE EV
Asociacion de Fabricantes de Riego espanoles	Spain	SIRRIMED
Atos Spain sa	Spain	CASSANDRA
Camara Oficial de Comercio Industria y Navegacion de Sevilla	Spain	MARE
Centre for International Information and Documentation in Barcelona	Spain	SAHWA
Centro de Investigacion ecologica yaplicaciones Forestales	Spain	CLICO
Contariego S.L.	Spain	VEG-I-TRADE
Diputacion de Alicante	Spain	SIRIUS

Endoterapia Vegetal SI	Spain	PALM PROTECT
Euromediterranean Irrigators Community	Spain	SIRRIMED
Fundacio Centre de Recerca en Sanitat Animal Cresa	Spain	VMERGE
Fundacio Centre D'iniciatives I Recerques Europees a la Mediterrania - CIReM	Spain	SHEMERA
Fundacio Privada Internacional Treenut	Spain	MYCORED
Fundacio Privada L2CAT, Internet I Innovacio Digital a Catalunya	Spain	INDICATE
Fundacio Privada Parc de Recerca Uab	Spain	FP4BATIW
Fundacion Cener-Ciemat	Spain	EUROSUNMED
Fundacion Educacion para el Empleo	Spain	SAHWA
Fundacion espanola para la Ciencia y la Tecnologia	Spain	SIS.NET
Fundacion española para la Cooperacion Internacional salud y Politica Social	Spain	CAAST-NET PLUS
Fundacion para el Conocimiento Madrimasd	Spain	MIRA
Fundacion para la Investigacion Medica Aplicada Fima	Spain	HEPACUTE
Fundacion Tecnia Research & Innovation	Spain	RECOCAPE
Fundacion Tekniker	Spain	EUROSUNMED
Fundacion zaragoza logistics Center	Spain	CASSANDRA
Industria de Turbo Propulsores S.A.	Spain	OPENAIR
Instituto Andaluz de Tecnologia	Spain	BAT4MED
Instituto de salud Carlos III	Spain	HEALTH-NCP-NET
Instituto de Sistemas Fotovoltaicos de Concentracion SA	Spain	NACIR
Instituto Espanol de Oceanografia	Spain	CREAM
Instituto Europeo del Mediterraneo Consorcio	Spain	MEDPRO
International Association of Science Parks	Spain	INCONET-GCC
Isofoton S.A.	Spain	NACIR
Ministerio de educacion y Ciencia	Spain	MIRA
Portic Barcelona S.A	Spain	CASSANDRA
SAT 9855 Primaflor	Spain	VEG-I-TRADE
Sociedad Espanola de Arqueologia Virtual	Spain	V-MUST.NET
Universidad de Castilla - la Mancha	Spain	SIRIUS
Universidad de Sevilla	Spain	FRAME



Universidad Politecnica de Cartagena	Spain	SIRRIMED
Universitat Jaume I de Castellon	Spain	PALM PROTECT
Vega Mayor SL	Spain	VEG-I-TRADE
Virtualware 2007 SA	Spain	V-MUST.NET
Biovelop International AB	Sweden	BIOWASTE4SP
Chalmers Tekniska Hoegskola AB	Sweden	OPENAIR
Creo Dynamics AB	Sweden	X-NOISE EV
Foreningen Iked	Sweden	SI-DRIVE
Gkn Aerospace Sweden Ab	Sweden	OPENAIR
Haftcourt Limited	Sweden	CLIMATE FOR CULTURE
Hogskolan Pa Gotland	Sweden	CLIMATE FOR CULTURE
Ivl Svenska Miljoeinstitutet AB	Sweden	BIOWASTE4SP
Statens Veterinaermedicinska Anstalt	Sweden	FOODSEG
Stiftelsen Hogskolan I Jonkoping	Sweden	INCONET-GCC
Stockholms Universitet	Sweden	MECODEM
Sveriges Lantbruksuniversitet	Sweden	IWWA
Sveriges Meteorologiska Och Hydrologiska Institut	Sweden	SIRIUS
Uppsala Universitet	Sweden	CLIMATE FOR CULTURE
Council on Health Research for Development Association	Switzerland	CAAST-NET PLUS
Cross-Border Research Association	Switzerland	CASSANDRA
DHL Management (Switzerland) Ltd	Switzerland	CASSANDRA
eidgenoessische Materialpruefungs- und Forschungsanstalt	Switzerland	IWWA
Hospices Cantonaux Chuv	Switzerland	HEPACUTE
Ls Instruments AG	Switzerland	SOMATAI
Schweizerischer Nationalfonds zur Forderung Der Wissenschaftlichen Forschung	Switzerland	ERAFRICA
Sciprom saRL	Switzerland	VEG-I-TRADE
World Health Organization	Switzerland	AFRICA BUILD
Akdeniz Kiyi Vakfi	Turkey	PEGASO
Akdeniz University	Turkey	SUSTAINMED
Ea-Tek Uluslararası Arastırma Geliştirme Mühendislik y Azilim Ve Danışmanlık Limited Şirketi	Turkey	SIRIUS

Ege Universitesi	Turkey	CREAM
Gazi Universitesi	Turkey	NIKER
Gebze yuksek Teknoloji enstitusu	Turkey	CLIMB
Izmir Institute of Technology	Turkey	BIONEXGEN
Ministry of Agriculture and Rural Affairs, General directorate of Agricultural Researches, Pistachio Resarch Institute	Turkey	AQUAMED
The Commission on the Protection Ofthe Black Sea Against Pollution	Turkey	PEGASO
Tubitak Ulusal Akademik Ag Ve Bilgi Merkezi	Turkey	EUMEDGRID-SUPPORT
Turkiye Bilimler Akademisi	Turkey	MIRA
Türkiye Cumhuriyeti Kültür ve Turizm Bakanli I	Turkey	INDICATE
University of Cukurova	Turkey	SWUP-MED
Yeditepe University Vakif	Turkey	NUROMED
Yildiz Technical University	Turkey	CLIMB
Bangor University	United Kingdom	ULIXES
BAP logistics Ltd	United Kingdom	CASSANDRA
Brunel University	United Kingdom	SI-DRIVE
Cintec International Ltd.	United Kingdom	NIKER
CMC Associates Ltd.	United Kingdom	3D-COFORM
EFP Consulting (UK) Ltd	United Kingdom	IDEALIST2011
Europe for Business Ltd	United Kingdom	THEBERA
European Centre for Medium-Range Weather Forecasts	United Kingdom	DEWFORA
Gkn Aerospace Services Limited	United Kingdom	OPENAIR
HM Revenue and Customs	United Kingdom	CASSANDRA
Infoterra Limited	United Kingdom	SIRIUS
Intelligentsia Consultants Ltd	United Kingdom	ADM-ERA
Jonathan Ashley-Smith	United Kingdom	CLIMATE FOR CULTURE
King's College London	United Kingdom	V-MUST.NET
Lancaster University	United Kingdom	SIRRIMED
Loughborough University	United Kingdom	ADM-ERA
Qinetiq Limited	United Kingdom	OPENAIR
Rolls Royce PLC	United Kingdom	X-NOISE EV

Rolls-Royce PLC	United Kingdom	OPENAIR
Short Brothers PLC	United Kingdom	OPENAIR
Singleimage Limited	United Kingdom	IDEALIST2011
Swansea University	United Kingdom	BIONEXGEN
The British Council	United Kingdom	MIRA
The Chancellor, Masters and Scholars of the University of Cambridge	United Kingdom	OPENAIR
The Chancellor, Masters and Scholars of the University of Oxford	United Kingdom	MECODEM
The Glasgow Caledonian University	United Kingdom	CLIMATE FOR CULTURE
The Manchester Metropolitan University	United Kingdom	X-NOISE EV
The National Trust for Places of Historic Interest or Natural Beauty	United Kingdom	CLIMATE FOR CULTURE
The Open University	United Kingdom	MEDAR
The Pirbright Institute	United Kingdom	VMERGE
The School of Pharmacy, University of London	United Kingdom	DEEP
The University of Birmingham	United Kingdom	HEPACUTE
The University of Exeter	United Kingdom	WASSERMED
The University of Liverpool	United Kingdom	SAHWA
The Young Foundation	United Kingdom	SI-DRIVE
Trust-IT Services Ltd	United Kingdom	EUMEDGRID-SUPPORT
University of Glasgow	United Kingdom	3D-COFORM
University of Greenwich	United Kingdom	AFTER
University of Kent	United Kingdom	SUSTAINMED
University of Leeds	United Kingdom	MECODEM
University of Leicester	United Kingdom	CITYZEN
University of Plymouth	United Kingdom	MEDSEA
University of Sussex	United Kingdom	CLICO
Victoria and Albert Museum	United Kingdom	3D-COFORM

## Ethiopia

Organisation	Country	Projects
Stichting dienst Landbouwkundig Onderzoek	Netherlands	AGRICAB. EAU4FOOD. FOODSECURE. SIGMA.

		WAHARA
Vlaamse Instelling Voor Technologisch Onderzoek N.V.	Belgium	AGRICAB, GARNET-E, ISAC, SIGMA
Internationales Institut fuer Angewandte Systemanalyse	Austria	FOODSECURE, ISAC, SIGMA
JRC -Joint Research Centre- European Commission	Belgium	EARTH2OBSERVE, FOODSECURE, SIGMA
Centre de Cooperation International en Recherche Agronomique pour le Developpement	France	EAU4FOOD, FOODSECURE, SIGMA
Institut National de la Recherche Agronomique	France	FOODSECURE, SOLIBAM, STAR-IDAZ
Universiteit Twente	Netherlands	AGRICAB, GARNET-E, SIGMA
Gisat S.R.O.	Czech Republic	EARTH2OBSERVE, SIGMA
Københavns Universitet	Denmark	CLUVA, SOLIBAM
Technische Universitaet Muenchen	Germany	CLUVA, SOLIBAM
limc International Information Management Corporation Limited	Ireland	IST-AFRICA 2012-13, IST-AFRICA 2014-15
Het Koninklijk Instituut Voor de Tropen	Netherlands	EVAL-HEALTH, REACHOUT
Institutt for Fredsforskning Stiftelse	Norway	CLICO, DIASPEACE
Agencia Estatal Consejo Superior de Investigaciones Cientificas	Spain	EAU4FOOD, SOLIBAM
Deimos Imaging S.L.	Spain	AGRICAB, ISAC
World Health Organization	Switzerland	SURE, EMERALD
Infoterra Limited	United Kingdom	GARNET-E, ISAC
Natural Environment Research Council	United Kingdom	AEGOS, EARTH2OBSERVE
University of Leeds	United Kingdom	EVAL-HEALTH, WAHARA
Ecosan Club KG	Austria	CLARA
Geoville Informationssysteme und Datenverarbeitung GMBH	Austria	SIGMA
Paris-Iodron-Universität salzburg	Austria	GARNET-E
saatzucht donau Gesmbh & Cokg	Austria	SOLIBAM
Technische Universitaet Wien	Austria	EARTH2OBSERVE
Universitaet fuer Bodenkultur Wien	Austria	CLARA
Commission of the European Communities - directorate General Joint Research Centre - JRC	Belgium	AEGOS
I-Mage Consult	Belgium	EARTH2OBSERVE
Institut Royal Des Sciences Naturelles de Belgique	Belgium	AEGOS
International Federation for Animal Health	Belgium	STAR-IDAZ
Israeli-Palestinian Science Organization	Belgium	CLICO

Katholieke Universiteit Leuven	Belgium	FOODSECURE
Keyobs S.A.	Belgium	GARNET-E
Prins Leopold Instituut voor Tropische Geneeskunde	Belgium	AFRICOLEISH
Prospex Bvba	Belgium	FOODSECURE
SpaceTec Partners SPRL	Belgium	GARNET-E
Syseco SPRL	Belgium	GARNET-E
Universite Catholique de Louvain	Belgium	SIGMA
Universite de Liege	Belgium	AGRICAB
The Cyprus Research and Educational Foundation	Cyprus	CLICO
Ceska Geologicka Sluzba	Czech Republic	AEGOS
Danmarks Tekniske Universitet	Denmark	SOLIBAM
Ministry of Food, Agriculture and Fisheries, Danish Agrifish Agency	Denmark	STAR-IDAZ
Tartu Ulikool	Estonia	EARTH2OBSERVE
Geologian Tutkimuskeskus	Finland	AEGOS
Jyvaeskylaen yliopisto- University of Jyvaskyla	Finland	DIASPEACE
Bureau de Recherches Geologiques et Minieres	France	AEGOS
Centre International pour la Formation et les echanges en Geosciences	France	AEGOS
Centre National de la Recherche Scientifique (CNRS)	France	EARTH2OBSERVE
Estellus SAS	France	EARTH2OBSERVE
Fondation Institut de Recherche pour le Developpement Durable et les Relations Internationales	France	FOODSECURE
Gautier Semences saS	France	SOLIBAM
Inra Transfert S.A.	France	SOLIBAM
Institut de Recherche pour le Developpement	France	AEGOS
Institut National de la sante et de la Recherche Medicale (INSERM)	France	SURE
Institut Technique de l'Agriculture Biologique	France	SOLIBAM
Lisode SARL	France	EAU4FOOD
Merial SAS	France	STAR-IDAZ
Meteo-France	France	EARTH2OBSERVE
Pfizer International Operations	France	STAR-IDAZ
United Nations Educational, Scientific and Cultural Organization -Unesco	France	EARTH2OBSERVE
Beak Consultants Gmbh	Germany	AEGOS

Bundesanstalt für Geowissenschaften und Rohstoffe	Germany	AEGOS
Ecologic Institut Gemeinnützige Gmbh	Germany	CLICO
Eftas Fernerkundung Technologietransfer GMBH	Germany	SIGMA
Forschungszentrum Juelich GMBH	Germany	STAR-IDAZ
Gabo:Mi Gesellschaft für Ablauforganisation:Milliarium MBH & CO KG GAB O	Germany	EMERALD
Helmholtz-Zentrum für Umweltforschung Gmbh – UFZ	Germany	CLUVA
Internationales Konversionszentrum Bonn Gmbh	Germany	DIASPEACE
Max Planck Gesellschaft zur Förderung Der Wissenschaften e.V.	Germany	DIASPEACE
Rheinische Friedrich-Wilhelms-Universität Bonn	Germany	FOODSECURE
Universität Kassel	Germany	EARTH2OBSERVE
Verein zur Förderung Des Technologietransfers an Der Hochschule Bremerhaven e.V.	Germany	CLARA
Kentro Kainotomon Technologion AE	Greece	EARTH2OBSERVE
Seven Engineering Consultants Oe	Greece	EARTH2OBSERVE
Agricultural Research Institute of the Hungarian Academy of Sciences	Hungary	SOLIBAM
The Hebrew University of Jerusalem	Israel	CLICO
AMRA - Analisi e Monitoraggio del Rischio Ambientale Scarl	Italy	CLUVA
Arcoiris SRL	Italy	SOLIBAM
Associazione Italiana per L Agricoltura Biologica*AIAB	Italy	SOLIBAM
Centro Euro-Mediterraneo per I Cambiamenti Climatici Scarl	Italy	CLUVA
Centro Studi di Politica Internazionale	Italy	DIASPEACE
Consiglio Nazionale Delle Ricerche	Italy	EARTH2OBSERVE
Food and Agriculture Organization of the United Nations Fao	Italy	SIGMA
I.T.A. - Consorzio Italiano per Il Telerilevamento Dell Ambiente e Dell Agricoltura	Italy	AGRICAB
Ministero della Salute	Italy	STAR-IDAZ
Scuola Superiore di Studi Universitari e di perfezionamento sant'anna	Italy	SOLIBAM
Università Degli Studi di Perugia	Italy	SOLIBAM
Università Degli Studi di Roma la Sapienza	Italy	EARTH2OBSERVE
Università Degli Studi Roma Tre	Italy	FOODSECURE
Università di Pisa	Italy	SOLIBAM
Agrotechnology Consult Africa BV	Netherlands	WAHARA
Artsen Zonder Grenzen (Medecins Sans Frontieres Nederland) Vereniging	Netherlands	AFRICOLEISH



Metameta Research B.V.	Netherlands	WAHARA
Ministerie van Economische Zaken	Netherlands	STAR-IDAZ
Ministerie van Infrastructuur en Milieu	Netherlands	FOODSECURE
Nederlandse Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek - TNO	Netherlands	AEGOS
Sarvision B.V.	Netherlands	SIGMA
Stichting African Diaspora Policy Centre	Netherlands	DIASPEACE
Stichting Deltares	Netherlands	EARTH2OBSERVE
Stichting Healthnet International Transcultural Psychosocial Organization	Netherlands	EMERALD
Stichting Vu-Vumc	Netherlands	EARTH2OBSERVE
Universiteit Utrecht	Netherlands	EARTH2OBSERVE
Vereniging Voor Christelijk Hoger Onderwijs Wetenschappelijk Onderzoek en Patientenzorg	Netherlands	WHATER
Wageningen University	Netherlands	WAHARA
Nasjonalt Kunnskapssenter for Helsetjenesten	Norway	SURE
Norsk Institutt for By- Og Regionforskning	Norway	CLUVA
Panstwowy Instytut Geologiczny	Poland	AEGOS
edisoft-empresa de Servicios e Desenvolvimento de Software sa	Portugal	GARNET-E
Escola Superior Agraria de Coimbra	Portugal	SOLIBAM
Instituto de Higiene e Medicina Tropical	Portugal	EVAL-HEALTH
Instituto de Tecnologia Quimica e Biologica - Universidade Nova de Lisboa	Portugal	SOLIBAM
Instituto Nacional de engenharia, Tecnologia e Inovacao	Portugal	AEGOS
Institute of Agricultural economics	Romania	FOODSECURE
Slovenska Polnohospodarska Universita v Nitre (Slovak Agricultural University in Nitra)	Slovak Republic	FOODSECURE
Agrovegetal S.A.	Spain	SOLIBAM
Bioazul	Spain	CLARA
Centro de Investigacion ecologica y aplicaciones Forestales	Spain	CLICO
Deimos Imaging Slu	Spain	SIGMA
Instituto Nacional de Investigacion y Tecnologia Agraria y Alimentaria	Spain	STAR-IDAZ
Observatorio Del Ebro Fundacion	Spain	EARTH2OBSERVE
Sociedad para el Fomento de la Innovacion Tecnologica S.L. - Innovatec	Spain	EVAL-HEALTH
Universidad Autonoma de Madrid	Spain	EMERALD

Universidade de Santiago de Compostela	Spain	EARTH2OBSERVE
Universitat Autonoma de Barcelona	Spain	CLICO
Karolinska Institutet	Sweden	SURE
Metria AB	Sweden	GARNET-E
Stockholms Universitet	Sweden	WHATER
The National Land Survey of Sweden	Sweden	GARNET-E
Drugs for Neglected Diseases Initiative Fondation *DNDI	Switzerland	AFRICOLEISH
eidgenoessische Technische Hochschule Zurich	Switzerland	CLICO
eidgenoessisches Volkswirtschaftsdepartement	Switzerland	SOLIBAM
Fondation pour l'Etude des Relations Internationales et du Developpement	Switzerland	FOODSECURE
Sarmap SA	Switzerland	SIGMA
Ambiotek Community Interest Company	United Kingdom	EARTH2OBSERVE
Biotechnology and Biological Sciences Research Council	United Kingdom	STAR-IDAZ
DMC International Imaging Limited	United Kingdom	GARNET-E
European Centre for Medium-Range Weather Forecasts	United Kingdom	EARTH2OBSERVE
King's College London	United Kingdom	EMERALD
Liverpool School of Tropical Medicine	United Kingdom	REACHOUT
London School of Hygiene and Tropical Medicine	United Kingdom	AFRICOLEISH
Overseas Development Institute	United Kingdom	EAU4FOOD
Pml Applications Ltd	United Kingdom	EARTH2OBSERVE
Progressive Farming Trust Ltd T/A the Organic Research Centre	United Kingdom	SOLIBAM
The Secretary of State for Environment, Food and Rural Affairs	United Kingdom	STAR-IDAZ
The University of Manchester	United Kingdom	CLUVA
University of East Anglia	United Kingdom	CLICO
University of Newcastle Upon Tyne	United Kingdom	WHATER
University of Sussex	United Kingdom	CLICO

## Ghana

Organisation	Country	Projects
Schweizerisches Tropen- und Public Health-Institut	Switzerland	APARET, BURULIVAC, CHEPSAA, OH-NEXTGEN, PERFORM

Prins Leopold Instituut Voor Tropische Geneeskunde	Belgium	AFRICA BUILD, BURULIVAC, HEALTH INC., OH-NEXTGEN
Københavns Universitet	Denmark	MONITORING MEDICINES, RURBANAFRICA, THESCHISTOVAC, T-REC
Institut de Recherche pour le Developpement	France	AEGOS, CAAST-NET, CAAST-NET PLUS, NOPOOR
Universitaetsklinikum Heidelberg	Germany	IDAMS, INTREC, OPTIMUNISE, QUALMAT
World Health Organization	Switzerland	AFRICA BUILD, APARET, IDAMS, MONITORING MEDICINES
Centre de Cooperation International en Recherche Agronomique pour le Developpement	France	AFTER, CAAST-NET, CLIMAFRICA
Karolinska Institutet	Sweden	CHEPSAA, OH-NEXTGEN, QUALMAT
Liverpool School of Tropical Medicine	United Kingdom	IDAMS, PERFORM, T-REC
London School of Hygiene and Tropical Medicine	United Kingdom	CHEPSAA, GENINVADE, RODAM
The Chancellor, Masters and Scholars of the University of Oxford	United Kingdom	IDAMS, NOPOOR, STOPENTERICS
Danmarks Tekniske Universitet	Denmark	BIOWASTE4SP, CAAST-NET PLUS
Jyvaeskylaen yliopisto- University of Jyväskylä	Finland	CAAST-NET, CAAST-NET PLUS
Institut Pasteur	France	BURULIVAC, STOPENTERICS
Bernhard-Nocht-Institut fuer Tropenmedizin	Germany	APARET, BURULIVAC
Deutsches Zentrum Fur Luft und Raumfahrt E.V.	Germany	CAAST-NET, CAAST-NET PLUS
Stichting dienst Landbouwkundig Onderzoek	Netherlands	GRATITUDE, SECUREFISH
Universiteit Maastricht	Netherlands	FLOSSINCLUDE, MAFE
Norges Forskningsrad	Norway	CAAST-NET, CAAST-NET PLUS
Fundacao para a Ciencia e a Tecnologia	Portugal	CAAST-NET, CAAST-NET PLUS
Universidade Catolica Portuguesa	Portugal	AFTER, GRATITUDE
Agencia Estatal Consejo Superior de Investigaciones Cientificas	Spain	MAFE, QWECI
Council on Health Research for Development Association	Switzerland	CAAST-NET PLUS, MASCOT
Turkiye Bilimsel Ve Teknolojik Arastirma Kurumu	Turkey	BIOWASTE4SP, CAAST-NET
Association of Commonwealth Universities	United Kingdom	CAAST-NET, CAAST-NET PLUS
Medical Research Council	United Kingdom	GENINVADE, OPTIMUNISE
Natural Environment Research Council	United Kingdom	AEGOS, EAMNET
The University of Edinburgh	United Kingdom	E PIAF, OH-NEXTGEN
The University of Liverpool	United Kingdom	E PIAF, QWECI

University of Greenwich	United Kingdom	AFTER, GRATITUDE
University of Leeds	United Kingdom	CHEPSAA, PERFORM
Eutema Technology Management GMBH & Co Kg	Austria	PROTEINSECT
Oikodrom-Forum Nachhaltige Stadt, Verein Fur Neue Stadtebaukultur	Austria	NOPOOR
Vienna School of Clinical Research	Austria	APARET
Zentrum fuer Soziale Innovation	Austria	CAAST-NET PLUS
Avia-GIS Bvba	Belgium	OH-NEXTGEN
Commission of the European Communities - directorate General Joint Research Centre - JRC	Belgium	AEGOS
Facultes Universitaires Notre-Dame de la Paix de Namur	Belgium	NOPOOR
Federation Internationale Du diabete	Belgium	RODAM
Institut Royal Des Sciences Naturelles de Belgique	Belgium	AEGOS
Institut Scientifique de sante Publique	Belgium	BURULIVAC
Katholieke Universiteit Leuven	Belgium	PROTEINSECT
Nutrition Sciences NV	Belgium	PROTEINSECT
Universite Catholique de Louvain	Belgium	MAFE
Universite Libre de Bruxelles	Belgium	STOPENTERICS
Universiteit Gent	Belgium	QUALMAT
Ceska Geologicka Sluzba	Czech Republic	AEGOS
Danmarks Meteorologiske Institut	Denmark	EAMNET
Statens Serum Institut	Denmark	OPTIMUNISE
Teknologisk Institut	Denmark	BIOWASTE4SP
Geologian Tutkimuskeskus	Finland	AEGOS
Assistance Publique - Hopitaux de Paris	France	STOPENTERICS
Association de Coordination Technique pour l'Industrie Agroalimentaire	France	AFTER
Association pour la Recherche et le Developpement Des Methodes et Processus Industriels	France	DIGITALWORLD
Bureau de Recherches Geologiques et Minieres	France	AEGOS
Centre International pour la Formation et les echanges en Geosciences	France	AEGOS
Centre National de la Recherche Scientifique	France	NOPOOR
Commissariat a l'energie Atomique et Aux energies Alternatives	France	CLIMAFRICA
Euroquality sarl	France	MASCOT

France Telecom SA	France	DIGITALWORLD
Geie eRCIM	France	DIGITALWORLD
Geosat Technology saRL	France	SAGA-EO
Institut National de la Recherche Agronomique	France	AFTER
Institut National d'etudes Demographiques	France	MAFE
Institut Pasteur de Lille	France	THESCHISTOVAC
Le Museum National d'Histoire Naturelle	France	E PIAF
Meteo-France	France	EAMNET
Racines sa	France	AFTER
Sanofi Pasteur sa	France	STOPENTERICS
Thales Alenia Space France	France	SAGA-EO
United Nations educational, Scientific and Cultural Organization – UNESCO	France	QWECI
Universite de Toulouse II - le Mirail	France	RURBANAFRICA
Beak Consultants Gmbh	Germany	AEGOS
Bundesanstalt fur Geowissenschaften und Rohstoffe	Germany	AEGOS
Charite - Universitaetsmedizin Berlin	Germany	RODAM
Cut Gmbh & Co. Kg	Germany	CAPWA
Cut Membrane Technology Gmbh	Germany	CAPWA
Deutsches Institut fuer ernaehrungsforschung Potsdam Rehbrücke	Germany	RODAM
Deutsches Lepa- und Tuberkulosehilfe ev	Germany	BURULIVAC
Eberhard Karls Universitaet Tuebingen	Germany	E PIAF
European Research and Project Office Gmbh	Germany	BURULIVAC
Forschungszentrum Borstel	Germany	THESCHISTOVAC
GAF Ag	Germany	SAGA-EO
Giga German Institute of Global and Area Studies	Germany	NOPOOR
Imagenes Gmbh	Germany	RODAM
Institut fur Weltwirtschaft	Germany	NOPOOR
Lionex Gmbh	Germany	BURULIVAC
Ludwig-Maximilians-Universitaet Muenchen	Germany	BURULIVAC
Max Planck Gesellschaft zur Foerderung Der Wissenschaften e.V.	Germany	CLIMAFRICA
Membrana Gmbh	Germany	CAPWA

Oeko-Institut E.V. - Institut fuer Angewandte Oekologie	Germany	IWWA
Papiertechnische Stiftung	Germany	CAPWA
Potsdam Institut fuer Klimafolgenforschung	Germany	CLIMAFRICA
Technische Universitaet Berlin	Germany	IWWA
The European Organisation for the exploitation of Meteorological satellites	Germany	EAMNET
Trion Research Gmbh	Germany	THESCHISTOVAC
Universitaet zu Koeln	Germany	QWECI
Universitaetsklinikum Bonn	Germany	E PIAF
Verein zur Foerderung Des Technologietransfers an Der Hochschule Bremerhaven e.V.	Germany	IWWA
Foundation for Research and Technology Hellas	Greece	CAAST-NET PLUS
IIMC International Information Management Corporation Limited	Ireland	IST-AFRICA 2012-13
Tel Aviv University	Israel	STOPENTERICS
The Israel electric Corporation Limited	Israel	CAPWA
yodfat engineers (1994) Ltd	Israel	CAPWA
Centro Euro-Mediterraneo sui Cambiamenti Climatici Scarl	Italy	CLIMAFRICA
Consiglio Nazionale delle Ricerche	Italy	CAPWA
Food and Agriculture Organisation of the United Nations Fao	Italy	CLIMAFRICA
Forum Internazionale ed Europeo di Ricerche Sull'immigrazione	Italy	MAFE
Nematrix Srl	Italy	DIGITALWORLD
Novartis Vaccines Institute for Global Health S.R.L.	Italy	STOPENTERICS
Spread European safety Geie	Italy	AFTER
Universita Degli Studi di Roma la sapienza	Italy	STOPENTERICS
Universita' Degli Studi di Siena	Italy	BIOWASTE4SP
Ceps Centre d Etudes de Populations de Pauvrete et de Politiques Socio-Economiques	Luxembourg	NOPOOR
Academisch Medisch Centrum Bij de Universiteit van Amsterdam	Netherlands	RODAM
Academisch Ziekenhuis Groningen	Netherlands	BURULIVAC
Academisch Ziekenhuis Leiden - Leids Universitair Medisch Centrum	Netherlands	THESCHISTOVAC
Brabant Water N.V.	Netherlands	CAPWA
Ebbens Engineering Ingenieursbureau BV	Netherlands	SECUREFISH
Kema Nederland Bv	Netherlands	CAPWA



Ministerie van Volksgezondheid, Welzijn en Sport	Netherlands	STOPENTERICS
Nederlandse Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek - TNO	Netherlands	AEGOS
Rijksinstituut Voor Volksgezondheden Milieu*National Institute for Public Health and the Environment	Netherlands	STOPENTERICS
Rijksuniversiteit Groningen	Netherlands	T-REC
Stichting International Red Cross Red Crescent Centre on Climate Change and disaster Preparedness	Netherlands	IDAMS
Stichting IRC International Water and Sanitation Centre	Netherlands	WASHTECH
Stichting Kenniscentrum Papier en Karton	Netherlands	CAPWA
Stichting Lareb	Netherlands	MONITORING MEDICINES
Stichting Onderzoek Wereldvoedselvoorziening van de Vrije Universiteit	Netherlands	CLIMAFRICA
The Technical Centre For Agricultural And Rural Cooperation	Netherlands	CAAST-NET PLUS
Universiteit Twente	Netherlands	CAPWA
Universiteit Utrecht	Netherlands	RURBANAFRICA
Universiteit van Amsterdam	Netherlands	INTREC
Vereniging Voor Christelijk Hoger Onderwijs Wetenschappelijk Onderzoek en Patientenzorg	Netherlands	CLIMAFRICA
Universitetet I Bergen	Norway	STOPENTERICS
Panstwowy Instytut Geologiczny	Poland	AEGOS
IMAR- Instituto do Mar	Portugal	EAMNET
Instituto Nacional de engenharia, Tecnologia e Inovacao	Portugal	AEGOS
Instituto Nacional de Recursos Biologicos I.P. INRB	Portugal	SECUREFISH
Sociedade Portuguesa de Inovacao - Consultadoria empresarial e Fomento Da Inovacao S.A.	Portugal	MASCOT
Universidade do Minho	Portugal	BURULIVAC
Bioazul	Spain	IWWA
Centre Tecnologic Forestal de Catalunya	Spain	CLIMAFRICA
Fundacio Institut Catala de Ciencies del Clima	Spain	QWECI
Fundacion Cibervoluntarios	Spain	DIGITALWORLD
Fundacion española para la Cooperacion Internacional salud y Politica Social	Spain	CAAST-NET PLUS
Fundacion Gaiker	Spain	IWWA
Fundacion para el Desarrollo de la Ciencia y la Tecnologia en Extremadura	Spain	FLOSSINCLUDE

Gas Natural Sdg sa	Spain	CAPWA
Ministerio de economia y Competitividad	Spain	CAAST-NET
Universidad Autonoma de Madrid	Spain	NOPOOR
Universidad Politecnica de Madrid	Spain	AFRICA BUILD
Universidad Rey Juan Carlos	Spain	FLOSSINCLUDE
Universitat Pompeu Fabra	Spain	MAFE
Biovelop International AB	Sweden	BIOWASTE4SP
Goteborgs Universitet	Sweden	STOPENTERICS
IvI Svenska Miljoeinstitutet AB	Sweden	BIOWASTE4SP
Lunds Universitet	Sweden	CLIMAFRICA
Medical Products Agency	Sweden	MONITORING MEDICINES
Stiftelsen Who Collaborating Centre for International Drug Monitoring	Sweden	MONITORING MEDICINES
Sveriges Lantbruksuniversitet	Sweden	IWWA
Umea Universitet	Sweden	INTREC
Verket för Innovationssystem	Sweden	CAAST-NET
eidgenoessische Materialpruefungs- und Forschungsanstalt	Switzerland	IWWA
Fondation Health Sciences e-Training	Switzerland	STOPENTERICS
Fondazione per L'istituto di Ricerc a in Biomedicina	Switzerland	IDAMS
Skat Foundation	Switzerland	WASHTECH
Universite de Geneve	Switzerland	AFRICA BUILD
Aberystwyth University	United Kingdom	THESCHISTOVAC
Accord Associates LLP	United Kingdom	GRATITUDE
Cab International	United Kingdom	PROTEINSECT
Canonical Limited	United Kingdom	FLOSSINCLUDE
Cranfield University	United Kingdom	WASHTECH
Elliot Brown Consulting	United Kingdom	MONITORING MEDICINES
Environmental Research Group Oxford Limited	United Kingdom	IDAMS
European Centre for Medium-Range Weather Forecasts	United Kingdom	QWECI
Fios Genomics Limited	United Kingdom	E PIAF
Genome Research Limited	United Kingdom	STOPENTERICS
Grantbait Limited	United Kingdom	PROTEINSECT

Health Action Partnership International C.I.C	United Kingdom	MASCOT
Imperial College of Science, Technology and Medicine	United Kingdom	STOPENTERICS
International Institute for Environment and Development	United Kingdom	RURBANAFRICA
London School of Economics and Political Science	United Kingdom	HEALTH INC.
Loughborough University	United Kingdom	RURBANAFRICA
Minerva Health & Care Communications LTD	United Kingdom	PROTEINSECT
National Patient Safety Agency	United Kingdom	MONITORING MEDICINES
Plymouth Marine Laboratory	United Kingdom	EAMNET
Sabmiller PLC	United Kingdom	GRATITUDE
St George's Hospital Medical School	United Kingdom	BURULIVAC
The Chancellor, Masters and Scholars of the University of Cambridge	United Kingdom	THESCHISTOVAC
The Secretary of State for Environment, Food and Rural Affairs	United Kingdom	PROTEINSECT
The University of Stirling	United Kingdom	PROTEINSECT
University of Surrey	United Kingdom	SECUREFISH
University of Sussex	United Kingdom	MAFE
Wateraid	United Kingdom	WASHTECH

## Kenya

Organisation	Country	Projects
Institut de Recherche pour le Developpement	France	ANOPOPAGE, BRAGMA, CAAST-NET, CAAST-NET PLUS, ERAFRICA, INFRAVEC, INSTAPA, I-REDD+, MALVECBLOK
Stichting dienst Landbouwkundig Onderzoek	Netherlands	AGRICAB, ANIMALCHANGE, E-AGRI, FOODMETRES, JOLISAA, OPENNESS, SECUREFISH, SIGMA
JRC -Joint Research Centre- European Commission	Belgium	ANIMALCHANGE, DEWFORA, E-AGRI, EUROGEOS, HELIX, OPENNESS, SIGMA
Centre de Cooperation International en Recherche Agronomique pour le Developpement	France	AFROMAISON, ANIMALCHANGE, CA2AFRICA, CAAST-NET, CLIMAFRICA, JOLISAA, SIGMA
London School of Hygiene and Tropical Medicine	United Kingdom	AVECNET, CHEPSAA, EURIPRED, GO4HEALTH, IDEA, INSTAPA, SDH-NET
The Chancellor, Masters and Scholars of the University of Oxford	United Kingdom	ANOPOPAGE, EURIPRED, GO4HEALTH, IDEA, INFRAVEC, OPENNESS

Københavns Universitet	Denmark	AFSPAN, ICONZ, I-REDD+, MONITORING MEDICINES, THESCHISTOVAC
Centre National de la Recherche Scientifique	France	AVECNET, CREATING, HERMIONE, INFRAVEC, MALVECBLOK
Schweizerisches Tropen- und Public Health-Institut	Switzerland	AVECNET, CHEPSAA, GENDRIVAX, ICONZ, IDEA
Universiteit Gent	Belgium	DIFFER, HERMIONE, LIPOYEASTS, MOMI
Vlaamse Instelling Voor Technologisch Onderzoek N.V.	Belgium	AGRICAB, E-AGRI, GARNET-E, SIGMA
Potsdam Institut fuer Klimafolgenforschung	Germany	AFROMAISON, CLIMAFRICA, DEWFORA, HELIX
IIMC International Information Management Corporation Limited	Ireland	BRAGMA, IST-AFRICA 2010 - 11, IST-AFRICA 2012-13, IST-AFRICA 2014-15
Consiglio Nazionale Delle Ricerche	Italy	AGFORWARD, EUROGEOSS, HERMIONE, SET-DEV
Food and Agriculture Organisation of the United Nations Fao	Italy	AFSPAN, ANIMALCHANGE, CLIMAFRICA, EUROGEOSS
Agencia Estatal Consejo Superior de Investigaciones Cientificas	Spain	CA2AFRICA, EUROGEOSS, HERMIONE, QWECI
The University of Liverpool	United Kingdom	HEALTHY FUTURES, HERMIONE, ICONZ, QWECI
Internationales Institut fuer Angewandte Systemanalyse	Austria	ANIMALCHANGE, EUROGEOSS, SIGMA
Paris-Iodron-Universität salzburg	Austria	BRAGMA, GARNET-E, HEALTHY FUTURES
Aarhus Universitet	Denmark	AGFORWARD, ANIMALCHANGE, OPENNESS
Danmarks Tekniske Universitet	Denmark	AFRICAN CLIMATE, BIOWASTE4SP, CAAST-NET PLUS
Institut National de la Recherche Agronomique	France	AGFORWARD, ANIMALCHANGE, LIPOYEASTS
United Nations educational, Scientific and Cultural Organization – UNESCO	France	AFROMAISON, HEALTHY FUTURES, QWECI
Deutsches Zentrum Fur Luft und Raumfahrt E.V.	Germany	CAAST-NET, CAAST-NET PLUS, ERAFRICA
Universita Degli Studi di Roma la sapienza	Italy	AVECNET, INFRAVEC, MALVECBLOK
Academisch Ziekenhuis Leiden - Leids Universitair Medisch Centrum	Netherlands	EURIPRED, IDEA, THESCHISTOVAC
Universiteit Twente	Netherlands	AGRICAB, GARNET-E, SIGMA
Vereniging Voor Christelijk Hoger Onderwijs Wetenschappelijk Onderzoek en Patientenzorg	Netherlands	CLIMAFRICA, REDD-ALERT, WHATER
Wageningen University	Netherlands	CA2AFRICA, INFRAVEC, INSTAPA
Fundacao para a Ciencia e a Tecnologia	Portugal	CAAST-NET, CAAST-NET PLUS, ERAFRICA
Lunds Universitet	Sweden	CLIMAFRICA, EJOLT, SET-DEV
Stockholms Universitet	Sweden	CREATING, INFRAVEC, WHATER

Turkiye Bilimsel Ve Teknolojik Arastirma Kurumu	Turkey	BIOWASTE4SP, CAAST-NET, ERAFRICA
Association of Commonwealth Universities	United Kingdom	CAAST-NET, CAAST-NET PLUS, PAERIP
Imperial College of Science, Technology and Medicine	United Kingdom	AFRICAN CLIMATE, DECIDE, INFRAVEC
Liverpool School of Tropical Medicine	United Kingdom	AVECNET, INFRAVEC, REACHOUT
The University of Edinburgh	United Kingdom	GO4HEALTH, ICONZ, I-REDD+
University College London	United Kingdom	DIFFER, HELIX, MOMI
Universitaet fuer Bodenkultur Wien	Austria	CLARA, EUROGEOSS
Musee Royal de l'Afrique Centrale	Belgium	BRAGMA, CREATING
Prins Leopold Instituut voor Tropische Geneeskunde	Belgium	GO4HEALTH, ICONZ
Universite Catholique de Louvain	Belgium	REDD-ALERT, SIGMA
Universite de Liege	Belgium	AGRICAB, HELIX
Jyvaeskylaen yliopisto- University of Jyvaskyla	Finland	CAAST-NET, CAAST-NET PLUS
Teknologian Tutkimuskeskus (VTT)	Finland	APROPOS, EUROAFRICA-P8
Commissariat a l'energie Atomique et Aux energies Alternatives	France	ANIMALCHANGE, CLIMAFRICA
Georg-August-Universitaet Goettingen Stiftung Oeffentlichen Rechts	Germany	BENWOOD, REDD-ALERT
Leibniz-Zentrum fuer Agrarlandschaftsforschung (zalf) e.V.	Germany	CA2AFRICA, FOODMETRES
Max Planck Gesellschaft zur Foerderung Der Wissenschaften e.V.	Germany	CLIMAFRICA, HERMIONE
Universitaet Bremen	Germany	HERMIONE, INCOFISH
Universitaetsklinikum Heidelberg	Germany	GO4HEALTH, INFRAVEC
Foundation for Research and Technology Hellas	Greece	CAAST-NET PLUS, INFRAVEC
Universita Degli Studi di Milano	Italy	E-AGRI, FOODMETRES
Universita Degli Studi di perugia	Italy	INFRAVEC, MALVECBLOK
Stichting Wetlands International	Netherlands	AFROMAISON, DEWFORA
Norges Forskningsrad	Norway	CAAST-NET, CAAST-NET PLUS
Universitetet I Tromsoe	Norway	HERMIONE, INCOFISH
edisoft-empresa de Servicos e Desenvolvimento de Software sa	Portugal	EUROGEOSS, GARNET-E
Universidade do Porto	Portugal	DEWFORA, MOMI
Univerza v Ljubljani	Slovenia	EUROGEOSS, FOODMETRES
Universidad de Navarra	Spain	ICONZ, SDH-NET
Universidad Politecnica de Madrid	Spain	ANIMALCHANGE, DEWFORA
Universitat Autonoma de Barcelona	Spain	EJOLT, OPENNESS

Karolinska Institutet	Sweden	CHEPSAA, ICONZ
Sveriges Meteorologiska Och Hydrologiska Institut	Sweden	HEALTHY FUTURES, HELIX
Council on Health Research for Development Association	Switzerland	CAAST-NET PLUS, SDH-NET
Universite de Geneve	Switzerland	AFROMAISON, SDH-NET
Aberystwyth University	United Kingdom	ANIMALCHANGE, THESCHISTOVAC
European Centre for Medium-Range Weather Forecasts	United Kingdom	DEWFORA, QWECI
Natural Environment Research Council	United Kingdom	HERMIONE, OPENNESS
The University Court of the University of Aberdeen	United Kingdom	HERMIONE, INCOFISH
The University of Nottingham	United Kingdom	EUROGEOSS, OPENNESS
University of Durham	United Kingdom	AVECNET, HEALTHY FUTURES
University of East Anglia	United Kingdom	HELIX, I-REDD+
University of Glasgow	United Kingdom	AVECNET, INFRAVEC
Austriatech - Gesellschaft des Bundes fur Technologiepolitische Massnahmen GMBH	Austria	SOLUTIONS
BioEnergy 2020+ Gmbh	Austria	BENWOOD
Ecosan Club KG	Austria	CLARA
energieautark Consulting Gmbh	Austria	BENWOOD
Geoville Informationssysteme und Datenverarbeitung GMBH	Austria	SIGMA
Oead (Österreichische Austauschdienst)-Gesellschaft mit Beschränkter Haftung - Austrian Agency for International Cooperation in education and Research	Austria	ERAFRICA
Oesterreichisches Institut fuer Internationale Politik	Austria	SUSTAINERGYNET
Organisation for International dialogue and Conflict Management	Austria	SUSTAINERGYNET
Polymun Scientific Immunbiologische Forschung GMBH	Austria	EURIPRED
The Club of Rome - European Support Centre	Austria	KNOSSOS
Universitaet Klagenfurt	Austria	EJOLT
Universität Für Bodenkultur Wien	Austria	BENWOOD
Zentrum fuer Soziale Innovation	Austria	CAAST-NET PLUS
Antea Belgium N.V.	Belgium	AFROMAISON
ARTTIC in Brussels SPRL	Belgium	NANOTRYP
Association Europeenne des Vehicules Electriques a Batteries, Hybrides et a Pile a Combustible	Belgium	SOLUTIONS
Avecom N.V.	Belgium	LIPOYEASTS



Avia-GIS Bvba	Belgium	ICONZ
Charles Darwin Foundation for the Galapagos Islands	Belgium	INCOFISH
Conseil Interuniversitaire de la Communaute Francaise	Belgium	ERAFRICA
Forum des Laboratoires Nationaux Europeens de Recherche Routiere	Belgium	SOLUTIONS
Global Legislators Organisation for a Balanced Environment Europe	Belgium	KNOSSOS
Global Legislators Organisation for a Balanced Environment-eu	Belgium	KNOSSOS
Isc Intelligence in Science Sprl	Belgium	PAERIP
Keyobs S.A.	Belgium	GARNET-E
Minerva Consulting & Communication	Belgium	SET-DEV
Northern Alliance for Sustainability IVZW	Belgium	EJOLT
Polis - Promotion of Operational Links With Integrated Services, Association Internationale	Belgium	SOLUTIONS
SpaceTec Partners SPRL	Belgium	GARNET-E
Syseco SPRL	Belgium	GARNET-E
Universiteit Antwerpen	Belgium	AFROMAISON
VIB	Belgium	NANOTRYP
Vlaams Gewest	Belgium	OPENNESS
Werkgroep voor Een Rechtvaardige Enverantworde Landbouw Vzw	Belgium	AGFORWARD
Environmental Association "za Zemiata" Sdruzhenie	Bulgaria	EJOLT
Faculty of Forestry,University of zagreb	Croatia	BENWOOD
Gisat S.R.O.	Czech Republic	SIGMA
Global Biodiversity Information Facility	Denmark	EUROGEOS
Hugin Expert As	Denmark	OPENNESS
Kobenhavns Universitet	Denmark	AGFORWARD
Nordisk Fond for Miljø og Udvikling	Denmark	I-REDD+
Roskilde Universitetscenter	Denmark	INCOFISH
Syddansk Universitet	Denmark	INCOFISH
Teknologisk Institut	Denmark	BIOWASTE4SP
Estonian Marine Institute	Estonia	INCOFISH
Icosagen As	Estonia	EURIPRED
ecofoster Group Oy	Finland	APROPOS
European Forest Institute	Finland	AGFORWARD

Helsingin Yliopisto	Finland	OPENNESS
Kankaisten Oeljykasvit Oy	Finland	APROPOS
Suomen Ymparistokeskus	Finland	OPENNESS
Sybimar Oy	Finland	APROPOS
Työ- Ja elinkeinoministeriö	Finland	ERAFRICA
Agence Nationale de Recherches Sur le Sida et les Hépatites Virales	France	IDEA
Agence Nationale de Securite sanitaire de l'Alimentation, de l'environnement et du Travail	France	ICONZ
Agrooif	France	AGFORWARD
Assemblee Permanente des Chambres d'agriculture	France	AGFORWARD
Association de Coordination Technique Agricole	France	AGFORWARD
Association Francaise d Agroforesterie	France	AGFORWARD
Bureau de Recherches Geologiques et Minieres	France	EUROGEOSS
Centre National de la Recherche Scientifique (CNRS)	France	HELIX
Commission de Recherche et d'Information Independantes sur la Radioactivite	France	EJOLT
European Agroforestry Federation Association*Eurafeuropean Agroforestry Federation	France	AGFORWARD
Groupe de Recherche et d'echanges Technologiques	France	SUSTAINERGYNET
Inra Transfert S.A.	France	ANIMALCHANGE
Institut Francais de Recherche pour l'exploitation de la Mer	France	HERMIONE
Institut Francais des Sciences et Technologies des Transports, de l'Amenagement et des Reseaux	France	SOLUTIONS
Institut National de la sante et de la Recherche Medicale (INSERM)	France	IDEA
Institut National de Recherche en Sciences et Technologies Pour l'Environnement et l'Agriculture	France	OPENNESS
Institut Pasteur	France	INFRAVEC
Institut Pasteur de Lille	France	THESCHISTOVAC
Section Francaise de L'institut Des Ingenieurs electriciens et electroniciens	France	EUROGEOSS
Sigma Consultants	France	EUROAFRICA-P8
Sigma Orionis	France	PAERIP
Universite Claude Bernard Lyon 1	France	ICONZ
Universite de Toulouse II - le Mirail	France	CREATING

Universite de Versailles saint-Quentin-en-Yvelines	France	EJOLT
Universite Pierre et Marie Curie - Paris 6	France	HERMIONE
Albert-Ludwigs-Universitaet Freiburg	Germany	EUROGEOSS
Alfred-Wegener-Institut fuer Polar- und Meeresforschung	Germany	HERMIONE
Archimedix, Möckl & Munzel Gbr	Germany	HERMIONE
Ascenion Gmbh	Germany	LIPOYEASTS
Brandenburgische Technische Universität Cottbus-Senftenberg	Germany	AGFORWARD
Bundesministerium fuer Bildung und Forschung	Germany	ERAFRICA
Deutsche Gesellschaft für Internationale Zusammenarbeit (Giz) Gmbh	Germany	SDH-NET
Doren & Koster Gbr Kommunikation Design	Germany	FOODMETRES
Eberhard Karls Universität Tübingen	Germany	IDEA
Eftas Fernerkundung Technologietransfer GMBH	Germany	SIGMA
European Molecular Biology Laboratory	Germany	INFRAVEC
European Vaccine Initiative – Eeig	Germany	IDEA
Forderungsgemeinschaft Ökologischer Landbau Berlin-Brandenburg EV	Germany	FOODMETRES
Forschungszentrum Borstel	Germany	THESCHISTOVAC
Fraunhofer-Gesellschaft zur Förderung Der Angewandten Forschung e.V	Germany	EUROAFRICA-P8
Friedrich loeffler Institut - Bundesforschungsinstitut fuer Tiergesundheit	Germany	ICONZ
Friedrich-Alexander Universität erlangen-Nuernberg	Germany	HERMIONE
Geoflux Thomas Koschitzki, Markus Moller & Daniel Wurbs Gbr	Germany	OPENNESS
Helmholtz-Zentrum fuer Umweltforschung GMBH - Ufz	Germany	OPENNESS
Helmholtz-Zentrum Potsdam Deutsches Geoforschungszentrum	Germany	DEWFORA
Humboldt-Universität zu Berlin	Germany	I-REDD+
ICCT - International Council On Clean Transportation Europe Ggmbh	Germany	SOLUTIONS
Iclei European Secretariat GMBH (Iclei Europasekretariat GMBH)*	Germany	SOLUTIONS
Igv Institut Für Getreideverarbeitung Gmbh	Germany	APROPOS
Immobilien Grundstücksgesellschaft Malzfabrik MbH	Germany	FOODMETRES
Jacobs University Bremen Gmbh	Germany	HERMIONE
JPT Peptide Technologies GMBH	Germany	EURIPRED
Kompetenzzentrum Hessenrohstoffe (Hero) e.V.	Germany	BENWOOD
Kroppenstedter Olmühle Walter dopelheuer Gmbh	Germany	APROPOS

Leibniz Institut fuer Agrarentwicklung in Mittel- und OstEuropa	Germany	I-REDD+
Leibniz Institut Für Meereswissenschaften An der Universität Kiel (Previously Institut fuer Meereskunde)	Germany	INCOFISH
Leibniz-Institut fuer Meereswissenschaften an Der Universitaet Kiel	Germany	HERMIONE
Lionex GMBH	Germany	EURIPRED
Ludwig-Maximilians-Universitaet Muenchen	Germany	IDEA
Max Delbrueck Centrum fuer Molekulare Medizin	Germany	SET-DEV
Medico International EV	Germany	GO4HEALTH
Rupprecht Consult - Forschung & Beratung GMBH	Germany	SOLUTIONS
Senckenberg Gesellschaft fur Naturforschung	Germany	HERMIONE
Sustainable Europe Research Institute Seri Deutschland E.V.	Germany	EJOLT
Technische Universitaet Braunschweig	Germany	LIPOYEASTS
Technische Universitaet Dresden	Germany	SUSTAINERGYNET
Trion Research Gmbh	Germany	THESCHISTOVAC
Universitaet Bayreuth	Germany	CREATING
Universitaet Hamburg	Germany	EUROGEOSS
Universitaet zu Koeln	Germany	QWECI
Verein zur Foerderung Des Technologietransfers an Der Hochschule Bremerhaven e.V.	Germany	CLARA
Wirtschaft und Infrastruktur GMBH & Co Planungs Kg	Germany	AFRICAN CLIMATE
Wuppertal Institut fur Klima, Umwelt, Energie GMBH.	Germany	SOLUTIONS
Agricultural University of Athens	Greece	INFRAVEC
Aristotelio Panepistimio Thessalonikis	Greece	ANOPOPAGE
Centre for Research and Technology Hellas	Greece	SOLUTIONS
Ethniko Idryma Erevnon	Greece	PAERIP
Hellenic Centre for Marine Research	Greece	HERMIONE
Panepistimio Kritis (University of Crete)	Greece	AVECNET
Panepistimio Thessalias (University of Thessaly)	Greece	HERMIONE
Technical University of Crete	Greece	HELIX
Technologiko Ekpedeftiko Idrima Stereas Elladas	Greece	AGFORWARD
ESSRG KFT.	Hungary	OPENNESS
Magyar Tudomanyos Akademia Okologiai Kutatokozpont	Hungary	OPENNESS

Nyugat- Magyarországi Egyetem Kooperációs Kutatási Központ Nonprofit Kft	Hungary	AGFORWARD
Szent István egyetem	Hungary	ANIMALCHANGE
Aquatt Uetp Ltd	Ireland	HEALTHY FUTURES
National University of Ireland, Galway	Ireland	HERMIONE
Teagasc - Agriculture and Food Development Authority	Ireland	ANIMALCHANGE
The Provost Fellows & Scholars of the College of the Holy and Undivided Trinity of Queen Elizabeth Near Dublin	Ireland	CREATING
The Provost, Fellows, Foundation Scholars & the Other Members of Board of the College of the Holy & Undivided Trinity of Queen Elizabeth Near Dublin	Ireland	HEALTHY FUTURES
University College Cork, National University of Ireland, Cork	Ireland	HERMIONE
Technion - Israel Institute of Technology	Israel	SOLUTIONS
Alasia New Clones S.R.L	Italy	BENWOOD
Centro Agricoltura e Ambiente Giorgio Nicoli Srl	Italy	INFRAVEC
Centro di Documentazione Sui Conflitti Ambientali Onlus	Italy	EJOLT
Centro Euro-Mediterraneo sui Cambiamenti Climatici Scarl	Italy	CLIMAFRICA
Consiglio per la Ricerca e la Sperimentazione in Agricoltura	Italy	AGFORWARD
Consorzio Nazionale Interuniversitario per le Scienze del Mare	Italy	HERMIONE
Costa edutainment S.P.A	Italy	HERMIONE
European Association for Animal Production	Italy	ANIMALCHANGE
Food and Agriculture Organization of the United Nations Fao	Italy	SIGMA
Galbiati Giuseppe	Italy	FOODMETRES
I.T.A. - Consorzio Italiano per il Telerilevamento dell' Ambiente e dell' Agricoltura	Italy	AGRICAB
Iridra Srl	Italy	OPENNESS
Istituto Nazionale Malattie Infettive L.Spallanzani – IRCCS	Italy	IDEA
Istituto Superiore di Ricerca e Formazione sui Materiali Speciali Pertecnologie Avanzate Srl in Breve Isrims Cons A R L	Italy	INFRAVEC
Istituto Superiore di sanità	Italy	INFRAVEC
Laboratorio di Scienze della Cittadinanza – LSC	Italy	SET-DEV
Novartis Vaccines Institute for Global Health S.R.L.	Italy	GENDRIVAX
Università Commerciale 'Luigi Bocconi'	Italy	DECIDE
Università degli Studi di Camerino	Italy	INFRAVEC
Università degli Studi di Napoli Federico II	Italy	INFRAVEC

Universita Degli Studi di Padova	Italy	INCOFISH
Universita Degli Studi di Pavia	Italy	INFRAVEC
Universita' Degli Studi di Siena	Italy	BIOWASTE4SP
Veneto Agricoltura	Italy	AGFORWARD
World Food Programme	Italy	HELIX
Aleksandro Stulginskio Universitetas	Lithuania	APROPOS
Academisch Medisch Centrum Bij de Universiteit van Amsterdam	Netherlands	IDEA
Altenburg & Wymenga ecologisch Onderzoek B.V.	Netherlands	AFROMAISON
Ebbens Engineering Ingenieursbureau BV	Netherlands	SECUREFISH
Het Koninklijk Instituut voor de Tropen	Netherlands	REACHOUT
Koninklijke Nederlandse Akademie van Wetenschappen – KNAW	Netherlands	HERMIONE
Louis Bolk Instituut	Netherlands	AGFORWARD
Mapsup	Netherlands	FOODMETRES
Ministerie van Infrastructuur en Milieu	Netherlands	OPENNESS
Provimi Holding BV	Netherlands	ANIMALCHANGE
Radboud Universiteit Nijmegen - Stichting Katholieke Universiteit	Netherlands	MALVECBLOK
Sarvision B.V.	Netherlands	SIGMA
Stichting Afrika-Studiecentrum	Netherlands	FOODMETRES
Stichting Deltares	Netherlands	DEWFORA
Stichting Eattris	Netherlands	EURIPRED
Stichting eTC	Netherlands	JOLISAA
Stichting Europees Centrum voor Natuurbescherming	Netherlands	OPENNESS
Stichting International Centre for Development Oriented Research in Agriculture	Netherlands	JOLISAA
Stichting International Institute for Communication and Development	Netherlands	EUROAFRICA-P8
Stichting Katholieke Universiteit	Netherlands	INFRAVEC
Stichting Koninklijk Nederlands Instituut Voor Zeeonderzoek (Nioz)	Netherlands	HERMIONE
Stichting Lareb	Netherlands	MONITORING MEDICINES
Stichting Onderzoek Wereldvoedselvoorziening van de Vrije Universiteit	Netherlands	CLIMAFRICA
Stichting Tuberculosis Vaccine Initiative	Netherlands	EURIPRED
Stichting Vu-Vumc	Netherlands	HELIX
Stichting World Rainforest Movement	Netherlands	EJOLT



The Technical Centre For Agricultural And Rural Cooperation	Netherlands	CAAST-NET PLUS
UNESCO-Ihe Institute for Water education	Netherlands	DEWFORA
Universiteit Maastricht	Netherlands	SET-DEV
Verhoeven Franciscus Petrus Maria Boerenverstand Consultancy	Netherlands	FOODMETRES
Wing Process Consultancy BV	Netherlands	OPENNESS
Havforskningsinstituttet	Norway	HERMIONE
Nutrimar As	Norway	APROPOS
Sintef Fiskeri Og Havbruk As	Norway	APROPOS
Stiftelsen Norsk Institutt for Naturforskning	Norway	OPENNESS
Universitetet I Stavanger	Norway	AFSPAN
Vista Analyse As	Norway	OPENNESS
Kochanska-Dubas Jolanta Wena Kochanska-Dubas Jolanta Wena	Poland	BENWOOD
Aavanz - Inovacao Unipessoal Lda	Portugal	BRAGMA
Fertiprado Sementes e Nutrientes, LDA	Portugal	ANIMALCHANGE
Fundacao da Faculdade de Ciencias e Tecnologia da Universidade Nova de Lisboa.	Portugal	OPENNESS
Instituto de Higiene e Medicina Tropical	Portugal	INFRAVEC
Instituto de Investigacao Cientifica Tropical	Portugal	BRAGMA
Instituto Hidrografico	Portugal	HERMIONE
Instituto Nacional de Recursos Biologicos I.P. INRB	Portugal	SECUREFISH
Instituto Superior de Agronomia	Portugal	AGFORWARD
Laboratorio Nacional de Engenharia Civil	Portugal	SOLUTIONS
Umic - Agencia para a Sociedade do Conhecimento - Umic - Knowledge Society Agency	Portugal	EUROAFRICA-P8
Universidade de Aveiro	Portugal	HERMIONE
Universidade do Minho	Portugal	ICONZ
Universidade dos Açores	Portugal	HERMIONE
Institutul de Cercetari Si Amenajari Silvice	Romania	OPENNESS
Universitatea Babes Bolyai	Romania	AGFORWARD
Universitatea Din Bucuresti	Romania	OPENNESS
Focus Drustvo za Sonaraven Razvoj	Slovenia	EJOLT
Geaprodukt Trgovsko Podjetje na Debelo in Drobno Doo	Slovenia	FOODMETRES
Institute of Landscape Ecology of the Slovak Academy of Sciences	Slovak Republic	OPENNESS

Pro Contus Poslovne Storitve Doo	Slovenia	FOODMETRES
Rndr Peter Mederly Regioplan-Krajinnockologicky Servis	Slovak Republic	OPENNESS
Bioazul	Spain	CLARA
C2C Consultoria Tsis, SRL	Spain	ISA
Centre Tecnologic Forestal de Catalunya	Spain	CLIMAFRICA
Centro Nacional de Informacion Geografica	Spain	EUROGEOSS
Confederacion Hidrografica del ebro	Spain	EUROGEOSS
Deimos Imaging S.L.	Spain	AGRICAB
Deimos Imaging Slu	Spain	SIGMA
Desarrollo 2000 en Africa	Spain	ISA
Fundacio Institut Catala de Ciencies del Clima	Spain	QWECI
Fundacion española para la Cooperacion Internacional salud y Politica Social	Spain	CAAST-NET PLUS
Fundacion General de la Universidad de Alcala	Spain	EUROGEOSS
Fundación Instituto Valenciano de Oncología	Spain	ISA
Fundacion para la Investigacion Biosanitaria de Andalucia Oriental-Alejandro Otero	Spain	NANOTRYP
Fundacion Tecnia Research & Innovation	Spain	OPENNESS
Fundacion Zaragoza Logistics Center	Spain	SOLUTIONS
Genetic Resources Action Internationalfundacion Grain	Spain	EJOLT
Hospital sant Joan de Déu	Spain	ISA
Institut Catala de la Salut	Spain	ISA
Instituto de Salud Carlos Iii	Spain	EURIPRED
Median SCP	Spain	HERMIONE
Mediterranean Agronomic Institute of zaragoza / International Centre for Advanced Mediterranean Agronomic Studies	Spain	DEWFORA
Ministerio de Ciencia e Innovacion	Spain	ERAFRICA
Ministerio de economia y Competitividad	Spain	CAAST-NET
Pau Education SI	Spain	AFRICAN CLIMATE
Servei de salut de les Illes Balears	Spain	ISA
Textil Planas Oliveras sa	Spain	APROPOS
True Cosmetics SI	Spain	APROPOS
Universidad Autonoma de Madrid	Spain	OPENNESS
Universidad de Extremadura	Spain	AGFORWARD

Universidad de zaragoza	Spain	EUROGEOSS
Universidade de Santiago de Compostela	Spain	AGFORWARD
Universitat de Barcelona	Spain	HERMIONE
Universitat Jaume I de Castellon	Spain	EUROGEOSS
Universitat Politecnica de Catalunya	Spain	APROPOS
Universitat Rovira I Virgili	Spain	EJOLT
Biovelop International AB	Sweden	BIOWASTE4SP
Goeteborgs Universitet	Sweden	HERMIONE
IvI Svenska Miljoeinstitutet AB	Sweden	BIOWASTE4SP
Kungliga Tekniska Hoegskolan	Sweden	EUROAFRICA-P8
Medical Products Agency	Sweden	MONITORING MEDICINES
Metria AB	Sweden	GARNET-E
Naturhistoriska Riksmuseet	Sweden	INCOFISH
Stiftelsen Who Collaborating Centre for International Drug Monitoring	Sweden	MONITORING MEDICINES
Sveriges Lantbruksuniversitet	Sweden	BENWOOD
The National Land Survey of Sweden	Sweden	GARNET-E
Verket för Innovationssystem	Sweden	CAAST-NET
Ecole Polytechnique Federale de Lausanne	Switzerland	IDEA
Eidgenä –Ssische Technische Hochschule Zäœ Rich	Switzerland	INSTAPA
Eidgenoessisches Departement fuer Wirtschaft	Switzerland	AGFORWARD
eidgenoessisches Volkswirtschaftsdepartement	Switzerland	ANIMALCHANGE
Eurovacc Foundation	Switzerland	IDEA
Foundation for Innovative New Diagnostics	Switzerland	NANOTRYP
Hospices Cantonaux Chuv	Switzerland	IDEA
Sarmap SA	Switzerland	SIGMA
Schweizerischer Nationalfonds zur Forderung Der Wissenschaftlichen Forschung	Switzerland	ERAFRICA
Universitaet Bern	Switzerland	I-REDD+
Universite de Lausanne	Switzerland	EURIPRED
World Health Organization	Switzerland	MONITORING MEDICINES
Bogazici Universitesi	Turkey	EJOLT
Surdurulebilir Ulasim Dernegi	Turkey	SOLUTIONS

Agrifood and Biosciences Institute	United Kingdom	AGFORWARD
Bangor University	United Kingdom	BENWOOD
Birdlife International	United Kingdom	EUROGEOSS
Business and Human Rights Resource Centre Lbg	United Kingdom	EJOLT
Cardiff University	United Kingdom	HERMIONE
Centre for Environment, Fisheries & Aquaculture Science	United Kingdom	INCOFISH
Coventry University	United Kingdom	FOODMETRES
Cranfield University	United Kingdom	AGFORWARD
DMC International Imaging Limited	United Kingdom	GARNET-E
Elliot Brown Consulting	United Kingdom	MONITORING MEDICINES
Genome Research Limited	United Kingdom	GENDRIVAX
Henry Doubleday Research Association LBG	United Kingdom	FOODMETRES
Heriot-Watt University	United Kingdom	HERMIONE
Infoterra Limited	United Kingdom	GARNET-E
Innovative Futures Research LTD	United Kingdom	FOODMETRES
Innovative Vector Control Consortium	United Kingdom	AVECNET
Institute for European Environmental Policy, London	United Kingdom	KNOSSOS
Institute of Development Studies	United Kingdom	AFSPAN
International Governance Solutions LTD.	United Kingdom	INCOFISH
King's College London	United Kingdom	EURIPRED
Kinross Estate Company Limited Kec	United Kingdom	OPENNESS
Lab901 Limited	United Kingdom	ICONZ
Malaria Consortium Lbg	United Kingdom	IDEA
Medical Research Council	United Kingdom	IDEA
Medicines and Healthcare Products Regulatory Agency	United Kingdom	EURIPRED
Met Office	United Kingdom	HELIX
National Marine Aquarium Ltd.	United Kingdom	HERMIONE
National Patient Safety Agency	United Kingdom	MONITORING MEDICINES
Oxitec Limited	United Kingdom	INFRAVEC
PracticalAction	United Kingdom	AFRICAN CLIMATE
Progressive Farming Trust LTD T/a the Organic Research Centre	United Kingdom	AGFORWARD

Royal Society for the Protection of Birds	United Kingdom	EUROGEOSS
Sustain:the Alliance for Better Food & Farming	United Kingdom	FOODMETRES
The British Institute in Eastern Africa Lbg	United Kingdom	CREATING
The Chancellor, Masters and Scholars of the University of Cambridge	United Kingdom	THESCHISTOVAC
The Environment Bank Limited	United Kingdom	OPENNESS
The Macaulay Land Use Research Institute	United Kingdom	REDD-ALERT
The Scottish Agricultural College	United Kingdom	ANIMALCHANGE
The Scottish Association for Marine Science	United Kingdom	HERMIONE
The University of Exeter	United Kingdom	HELIX
The University of Hull	United Kingdom	INCOFISH
The University of Newcastle Upon Tyne	United Kingdom	INCOFISH
University of Central Lancashire	United Kingdom	SET-DEV
University of Keele	United Kingdom	INFRAVEC
University of Leeds	United Kingdom	CHEPSAA
University of Newcastle Upon Tyne	United Kingdom	WHATER
University of Portsmouth Higher education Corporation	United Kingdom	AFSPAN
University of Southampton	United Kingdom	HERMIONE
University of Surrey	United Kingdom	SECUREFISH
University of Sussex	United Kingdom	DIRTPOL
University of York	United Kingdom	HEALTHY FUTURES
WCMC Lbg	United Kingdom	HERMIONE

## Lesotho

Organisation	Country	Projects
IIMC International Information Management Corporation Limited	Ireland	IST-AFRICA 2008, IST-AFRICA 2010 – 11, IST-AFRICA 2012-13, IST-AFRICA 2014-15
The Commonwealth Network of Information Technology for Development	Malta	IST-AFRICA 2008

## Malawi

Organisation	Country	Projects
Karolinska Institutet	Sweden	ARCADE HSSR, EI4AFRICA, ETATMBA

Lunds Universitet	Sweden	CLIMAFRICA, EJOLT, SUPPORTING LIFE
Centre de Cooperation International en Recherche Agronomique pour le Developpement	France	CLIMAFRICA, SARNISSA
IIMC International Information Management Corporation Limited	Ireland	IST-AFRICA 2012-13, IST-AFRICA 2014-15
Liverpool School of Tropical Medicine	United Kingdom	AVECNET, REACHOUT
Universitaet Klagenfurt	Austria	EJOLT
Zentrum fuer Soziale Innovation	Austria	CAAST-NET PLUS
Northern Alliance for Sustainability IVZW	Belgium	EJOLT
Universiteit Gent	Belgium	MOMI
Environmental Association "za Zemiata" Sdruzhenie	Bulgaria	EJOLT
Danmarks Tekniske Universitet	Denmark	CAAST-NET PLUS
Jyvaeskylaen yliopisto- University of Jyvaskyla	Finland	CAAST-NET PLUS
Centre National de la Recherche Scientifique	France	AVECNET
Commissariat a l'energie Atomique et Aux energies Alternatives	France	CLIMAFRICA
Commission de Recherche et d'Information Independantes sur la Radioactivite	France	EJOLT
Institut de Recherche pour le Developpement	France	CAAST-NET PLUS
Sigma Orionis SA	France	EI4AFRICA
United Nations educational, Scientific and Cultural Organization – UNESCO	France	QWECI
Universite de Versailles saint-Quentin-en-Yvelines	France	EJOLT
Deutsches Zentrum Fur Luft und Raumfahrt E.V.	Germany	CAAST-NET PLUS
Max Planck Gesellschaft zur Foerderung Der Wissenschaften e.V.	Germany	CLIMAFRICA
Potsdam Institut fuer Klimafolgenforschung	Germany	CLIMAFRICA
Sustainable Europe Research Institute Seri Deutschland E.V.	Germany	EJOLT
Universitaet zu Koeln	Germany	QWECI
Foundation for Research and Technology Hellas	Greece	CAAST-NET PLUS
Panepistimio Kritis (University of Crete)	Greece	AVECNET
Royal College of Surgeons in Ireland	Ireland	COST - AFRICA
The Provost Fellows & Scholars of the College of the Holy and Undivided Trinity of Queen Elizabeth Near Dublin	Ireland	EQUITABLE
University College Cork, National University of Ireland, Cork	Ireland	SUPPORTING LIFE
Centro di Documentazione Sui Conflitti Ambientali Onlus	Italy	EJOLT
Centro Euro-Mediterraneo sui Cambiamenti Climatici Scarl	Italy	CLIMAFRICA



Cometa Consorzio Multi Ente per Lapromozione e l Adozione di Tecnologie di Calcolo Avanzato	Italy	EI4AFRICA
Food and Agriculture Organisation of the United Nations Fao	Italy	CLIMAFRICA
Universita Degli Studi di Roma la sapienza	Italy	AVECNET
Het Koninklijk Instituut voor de Tropen	Netherlands	REACHOUT
Stichting eTC	Netherlands	SARNISSA
Stichting Katholieke Universiteit	Netherlands	COST - AFRICA
Stichting Onderzoek Wereldvoedselvoorziening van de Vrije Universiteit	Netherlands	CLIMAFRICA
Stichting World Rainforest Movement	Netherlands	EJOLT
The Technical Centre For Agricultural And Rural Cooperation	Netherlands	CAAST-NET PLUS
Vereniging Voor Christelijk Hoger Onderwijs Wetenschappelijk Onderzoek en Patientenzorg	Netherlands	CLIMAFRICA
Luke International Norway Forening	Norway	SUPPORTING LIFE
Nasjonalt Kunnskapssenter for Helsetjenesten	Norway	ARCADE HSSR
Norges Forskningsrad	Norway	CAAST-NET PLUS
Stiftelsen Sintef	Norway	EQUITABLE
Fundacao para a Ciencia e a Tecnologia	Portugal	CAAST-NET PLUS
Universidade do Porto	Portugal	MOMI
Focus Drustvo za Sonaraven Razvoj	Slovenia	EJOLT
Agencia Estatal Consejo Superior de Investigaciones Cientificas	Spain	QWECI
Centre Tecnologic Forestal de Catalunya	Spain	CLIMAFRICA
Fundacio Institut Catala de Ciencies del Clima	Spain	QWECI
Fundacion española para la Cooperacion Internacional salud y Politica Social	Spain	CAAST-NET PLUS
Genetic Resources Action Internationalfundacion Grain	Spain	EJOLT
Universitat Autonoma de Barcelona	Spain	EJOLT
Universitat Rovira I Virgili	Spain	EJOLT
Kungliga Tekniska Hoegskolan	Sweden	EI4AFRICA
Accelopment AG	Switzerland	SUPPORTING LIFE
Council on Health Research for Development Association	Switzerland	CAAST-NET PLUS
Schweizerisches Tropen- und Public Health-Institut	Switzerland	AVECNET
Bogazici Universitesi	Turkey	EJOLT
Association of Commonwealth Universities	United Kingdom	CAAST-NET PLUS

Brunel University	United Kingdom	EI4AFRICA
Business and Human Rights Resource Centre Lbg	United Kingdom	EJOLT
Cab International	United Kingdom	SARNISSA
European Centre for Medium-Range Weather Forecasts	United Kingdom	QWECI
GE Healthcare Limited	United Kingdom	ETATMBA
Innovative Vector Control Consortium	United Kingdom	AVECNET
Institute of Development Studies	United Kingdom	ARCADE HSSR
London School of Hygiene and Tropical Medicine	United Kingdom	AVECNET
The Chancellor, Masters and Scholars of the University of Oxford	United Kingdom	SUPPORTING LIFE
The University of Liverpool	United Kingdom	QWECI
The University of Stirling	United Kingdom	SARNISSA
The University of Warwick	United Kingdom	ETATMBA
University College London	United Kingdom	MOMI
University of Durham	United Kingdom	AVECNET
University of Glasgow	United Kingdom	AVECNET

## Mauritius

Organisation	Country	Projects
IIMC International Information Management Corporation Limited	Ireland	IST-AFRICA 2010 – 11, IST-AFRICA 2012-13, IST-AFRICA 2014-15
Bulgarian Research and education Network	Bulgaria	6DEPLOY-2
Oulun yliopisto – University of Oulu	Finland	EPI-MIGRANT
Helsingin yliopisto – University of Helsinki	Finland	EPI-MIGRANT
Groupeement d'Interet Public Reseau National de Telecommunications pour la Technologie, l'enseignement et la Recherche	France	6DEPLOY-2
Greek Research and Technology Network S.A.	Greece	6DEPLOY-2
Nemzeti Információs Infrastruktúra Fejlesztési Iroda	Hungary	6DEPLOY-2
Università Degli Studi di Milano	Italy	EPI-MIGRANT
Cisco Systems International B. V.	Netherlands	6DEPLOY-2
Uninett AS	Norway	6DEPLOY-2
Fundacao para a Computacao Cientifica Nacional – FCCN	Portugal	6DEPLOY-2

Consultores Integrales en Telecomunicaciones "Consulintel", S.L.	Spain	6DEPLOY-2
Martel GmbH	Switzerland	6DEPLOY-2
Cellcentric Limited	United Kingdom	EPI-MIGRANT
Imperial College of Science, Technology and Medicine	United Kingdom	EPI-MIGRANT
The Chancellor, Masters and Scholars of the University of Cambridge	United Kingdom	EPI-MIGRANT
The Chancellor, Masters and Scholars of the University of Oxford	United Kingdom	EPI-MIGRANT
University College London	United Kingdom	6DEPLOY-2

## Mozambique

Organisation	Country	Projects
IIMC International Information Management Corporation Limited	Ireland	IST-AFRICA 2008, IST-AFRICA 2010 – 11, IST-AFRICA 2012-13, IST-AFRICA 2014-15
JRC -Joint Research Centre- European Commission	Belgium	DEWFORA, MYWATER, EO2HEAVEN
Universiteit Gent	Belgium	DIFFER, MOMI
Institut National de la sante et de la Recherche Medicale (INSERM)	France	CUT'HIVAC, SURE
Thales Alenia Space France	France	IRMA, SAGA-EO
Het Koninklijk Instituut Voor de Tropen	Netherlands	EO2HEAVEN, REACHOUT
Stichting dienst Landbouwkundig Onderzoek	Netherlands	AGRICAB, EAU4FOOD
Universiteit Twente	Netherlands	AGRICAB, EO2HEAVEN
Universidade do Porto	Portugal	DEWFORA, MOMI
Karolinska Institutet	Sweden	ICONZ, SURE
University College London	United Kingdom	DIFFER, MOMI
ARTTIC in Brussels SPRL	Belgium	NANOTRYP
Avia-GIS Bvba	Belgium	ICONZ
Prins Leopold Instituut Voor Tropische Geneeskunde	Belgium	ICONZ
Spacebel sa	Belgium	IRMA
Universite de Liege	Belgium	AGRICAB
VIB	Belgium	NANOTRYP
Vlaamse Instelling Voor Technologisch Onderzoek N.V.	Belgium	AGRICAB
Københavns Universitet	Denmark	ICONZ
FIT Biotech Oy	Finland	CUT'HIVAC

Agence Nationale de Securite sanitaire de l'Alimentation, de l'environnement et du Travail	France	ICONZ
Bureau de Recherches Geologiques et Minieres	France	EO2HEAVEN
Centre de Cooperation International en Recherche Agronomique pour le Developpement	France	EAU4FOOD
Centre National de la Recherche Scientifique	France	CUT'HIVAC
Geosat Technology saRL	France	SAGA-EO
Groupeement d'Interet Public Reseau National de Telecommunications pour la Technologie, l'enseignement et la Recherche	France	IRMA
Lisode SARL	France	EAU4FOOD
Nevantropic	France	EO2HEAVEN
Novamen SAS	France	CUT'HIVAC
Objectif Recherche Vaccin Sida	France	CUT'HIVAC
Spot Image S.A.	France	EO2HEAVEN
United Nations educational, Scientific and Cultural Organization – UNESCO	France	MYWATER
Universite Claude Bernard Lyon 1	France	ICONZ
Universite Pierre et Marie Curie - Paris 6	France	CUT'HIVAC
52°North Initiative for Geospatial Open Source Software Gmbh	Germany	EO2HEAVEN
Charite - Universitaetsmedizin Berlin	Germany	CUT'HIVAC
Fraunhofer-Gesellschaft zur Foerderung Der Angewandten Forschung e.V	Germany	EO2HEAVEN
Friedrich loeffler Institut - Bundesforschungsinstitut fuer Tiergesundheit	Germany	ICONZ
GAF Ag	Germany	SAGA-EO
Geneart Ag	Germany	CUT'HIVAC
Helmholtz-Zentrum Potsdam Deutsches Geoforschungszentrum	Germany	DEWFORA
Potsdam Institut fuer Klimafolgenforschung	Germany	DEWFORA
Remote Sensing Solutions Gmbh	Germany	REDD-FLAME
Technische Universitaet Dresden	Germany	EO2HEAVEN
Universitaet Regensburg	Germany	CUT'HIVAC
Aristotelio Panepistimio Thessalonikis	Greece	MYWATER
Pannon Egyetem	Hungary	MYWATER
I.T.A. - Consorzio Italiano per Il Telerilevamento Dell Ambiente e Dell Agricoltura	Italy	AGRICAB
Ministere D'etat	Luxembourg	IRMA

SeS ASTRA TechCom sa	Luxembourg	IRMA
Technologies sans Frontieres ASBL	Luxembourg	IRMA
Universite Du Luxembourg	Luxembourg	IRMA
The Commonwealth Network of Information Technology for Development	Malta	IST-AFRICA 2008
Basfood BV	Netherlands	WATPLAN
Cisco Systems International B. V.	Netherlands	IRMA
Hydrologic Research BV	Netherlands	MYWATER
Prezent Internet Bv	Netherlands	WATPLAN
Sarvision B.V.	Netherlands	REDD-FLAME
Stichting Deltares	Netherlands	DEWFORA
Stichting Katholieke Universiteit Brabant Universiteit van Tilburg	Netherlands	IRMA
Stichting Wetlands International	Netherlands	DEWFORA
Terrasphere Imaging & GIS B.V.	Netherlands	REDD-FLAME
UNESCO-Ihe Institute for Water education	Netherlands	DEWFORA
Wageningen University	Netherlands	REDD-FLAME
Waterwatch Bv	Netherlands	WATPLAN
Nasjonalt Kunnskapssenter for Helsetjenesten	Norway	SURE
Aquagri - Assistencia Tecnica e Consultoria Ace	Portugal	WATPLAN
Gmvis Skysoft sa	Portugal	MYWATER
Hidromod Modelacao em Engenharia LDA	Portugal	MYWATER
Hidrosoph, Lda	Portugal	WATPLAN
Instituto Superior Tecnico	Portugal	MYWATER
Universidade do Minho	Portugal	ICONZ
Agencia Estatal Consejo Superior de Investigaciones Cientificas	Spain	EAU4FOOD
Atos Spain sa	Spain	EO2HEAVEN
Deimos Imaging S.L.	Spain	AGRICAB
Fundacio Privada Institut de Recerca de la Sida-Caixa	Spain	CUT'HIVAC
Fundacion para la Investigacion Biosanitaria de Andalucia Oriental-Alejandro Otero	Spain	NANOTRYP
Mediterranean Agronomic Institute of zaragoza / International Centre for Advanced Mediterranean Agronomic Studies	Spain	DEWFORA
Universidad de Navarra	Spain	ICONZ

Universidad Politecnica de Madrid	Spain	DEWFORA
Foundation for Innovative New Diagnostics	Switzerland	NANOTRYP
Schweizerisches Tropen- und Public Health-Institut	Switzerland	ICONZ
World Health Organization	Switzerland	SURE
European Centre for Medium-Range Weather Forecasts	United Kingdom	DEWFORA
Imperial College of Science, Technology and Medicine	United Kingdom	CUT'HIVAC
Lab901 Limited	United Kingdom	ICONZ
Liverpool School of Tropical Medicine	United Kingdom	REACHOUT
Medical Research Council	United Kingdom	CUT'HIVAC
Open Geospatial Consortium (Europe) Limited	United Kingdom	EO2HEAVEN
Overseas Development Institute	United Kingdom	EAU4FOOD
Remote Sensing Applications Consultants Limited	United Kingdom	REDD-FLAME
St George's Hospital Medical School	United Kingdom	CUT'HIVAC
The University of Edinburgh	United Kingdom	ICONZ
The University of Liverpool	United Kingdom	ICONZ

## Namibia

Organisation	Country	Projects
IIMC International Information Management Corporation Limited	Ireland	IST-AFRICA 2008, IST-AFRICA 2010 – 11, IST-AFRICA 2012-13, IST-AFRICA 2014-15
Universita Degli Studi di Padova	Italy	CTA-PP, INCOFISH
Havforskningsinstituttet	Norway	DEEPFISHMAN, PREFACE
Instituto Nacional de Recursos Biologicos I.P. INRB	Portugal	DEEPFISHMAN, SECUREFISH
Universitaet Innsbruck	Austria	CTA-PP
Universitaet Klagenfurt	Austria	EJOLT
Charles Darwin Foundation for the Galapagos Islands	Belgium	INCOFISH
Northern Alliance for Sustainability IVZW	Belgium	EJOLT
Universite Libre de Bruxelles	Belgium	PREFACE
Environmental Association "za Zemiata" Sdruzhenie	Bulgaria	EJOLT
Kobenhavns Universitet	Denmark	PREFACE
Roskilde Universitetscenter	Denmark	INCOFISH



Syddansk Universitet	Denmark	INCOFISH
Estonian Marine Institute	Estonia	INCOFISH
Turun yliopisto	Finland	CTA-PP
Centre Europeen de Recherche et de Formation Avancee en Calcul Scientifique	France	PREFACE
Centre National de la Recherche Scientifique	France	CTA-PP
Commissariat a l'energie Atomique et Aux energies Alternatives	France	CTA-PP
Commission de Recherche et d'Information Independantes sur la Radioactivite	France	EJOLT
Institut de Recherche Pour le Developpement	France	PREFACE
Institut Francais de Recherche pour l'exploitation de la Mer	France	DEEPFISHMAN
Meteo-France	France	PREFACE
Universite de Versailles saint-Quentin-en-Yvelines	France	EJOLT
Universite Pierre et Marie Curie - Paris 6	France	PREFACE
Christian-Albrechts-Universitaet Zu Kiel	Germany	PREFACE
Helmholtz Zentrum fur Ozeanforschung Kiel	Germany	PREFACE
Institut fuer Ostseeforschung Warnemuende An der Universitaet Rostock	Germany	PREFACE
Johann Heinrich Von Thuenen-Institut, Bundesforschungsinstitut fuer Laendliche Raeume, Wald und Fischerei	Germany	PREFACE
Leibniz Institut Für Meereswissenschaften An der Universität Kiel (Previously Institut fuer Meereskunde)	Germany	INCOFISH
Max Planck Gesellschaft zur Foerderung Der Wissenschaften e.V.	Germany	CTA-PP
Ruprecht-Karls-Universitaet Heidelberg	Germany	CTA-PP
Stiftung Deutsches elektronen-Synchrotron Desy	Germany	CTA-PP
Sustainable Europe Research Institute Seri Deutschland E.V.	Germany	EJOLT
Universitaet Bremen	Germany	INCOFISH
Hellenic Centre for Marine Research	Greece	DEEPFISHMAN
Hafrannsóknastofnunin	Iceland	DEEPFISHMAN
Haskoli Islands	Iceland	DEEPFISHMAN
Marine Institute	Ireland	DEEPFISHMAN
The Provost Fellows & Scholars of the College of the Holy and Undivided Trinity of Queen Elizabeth Near Dublin	Ireland	EQUITABLE
Centro di Documentazione Sui Conflitti Ambientali Onlus	Italy	EJOLT
Istituto Nazionale di Astrofisica	Italy	CTA-PP

Universita Ca' Foscari Venezia	Italy	PREFACE
The Commonwealth Network of Information Technology for Development	Malta	IST-AFRICA 2008
Ebbens Engineering Ingenieursbureau BV	Netherlands	SECUREFISH
Stichting dienst Landbouwkundig Onderzoek	Netherlands	SECUREFISH
Stichting World Rainforest Movement	Netherlands	EJOLT
Wageningen University	Netherlands	PREFACE
Stiftelsen Sintef	Norway	EQUITABLE
Uni Research As	Norway	PREFACE
Universitetet I Bergen	Norway	PREFACE
Universitetet I Tromsoe	Norway	INCOFISH
Uniwersytet Jagiellonski	Poland	CTA-PP
Focus Drustvo za Sonaraven Razvoj	Slovenia	EJOLT
Fundacio Institut Catala de Ciencies Del Clima	Spain	PREFACE
Fundacion Azti/Azti Fundazioa	Spain	DEEPFISHMAN
Genetic Resources Action Internationalfundacion Grain	Spain	EJOLT
Instituto de Fisica de Altas energias	Spain	CTA-PP
Instituto Espanol de Oceanografia	Spain	DEEPFISHMAN
Universidad Complutense de Madrid	Spain	PREFACE
Universitat Autonoma de Barcelona	Spain	EJOLT
Universitat Rovira I Virgili	Spain	EJOLT
Lunds Universitet	Sweden	EJOLT
Naturhistoriska Riksmuseet	Sweden	INCOFISH
Stockholms Universitet	Sweden	CTA-PP
Universitaet Zuerich	Switzerland	CTA-PP
Bogazici Universitesi	Turkey	EJOLT
Business and Human Rights Resource Centre Lbg	United Kingdom	EJOLT
Centre for Environment, Fisheries & Aquaculture Science	United Kingdom	INCOFISH
Imperial College of Science, Technology and Medicine	United Kingdom	DEEPFISHMAN
International Governance Solutions LTD.	United Kingdom	INCOFISH
The Secretary of State for Environment, Food and Rural Affairs	United Kingdom	DEEPFISHMAN
The University Court of the University of Aberdeen	United Kingdom	INCOFISH

The University of Hull	United Kingdom	INCOFISH
The University of Newcastle Upon Tyne	United Kingdom	INCOFISH
The University of Reading	United Kingdom	PREFACE
University of Leeds	United Kingdom	CTA-PP
University of Portsmouth Higher education Corporation	United Kingdom	DEEPFISHMAN
University of Surrey	United Kingdom	SECUREFISH

## Senegal

Organisation	Country	Projects
Centre de Cooperation International en Recherche Agronomique pour le Developpement	France	AFTER, ANIMALCHANGE, ARBO-ZOONET, CAAST-NET, EDENEXT, FUNCITREE, VMERGE
Institut de Recherche pour le Developpement	France	AEGOS, CAAST-NET, CAAST-NET PLUS, EDENEXT, INFRAVEC, NOPOOR, PREFACE
Agencia Estatal Consejo Superior de Investigaciones Cientificas	Spain	EDENEXT, EUROWESTNILE, FUNCITREE, MAFE, QWECI
Institut National de la Recherche Agronomique	France	AFTER, AGFOODTRADE, ANIMALCHANGE, EDENEXT
Institut Pasteur	France	ARBO-ZOONET, EDENEXT, EUROWESTNILE, INFRAVEC
Istituto Superiore di sanita	Italy	ARBO-ZOONET, EDENEXT, EUROWESTNILE, INFRAVEC
Stichting dienst Landbouwkundig Onderzoek	Netherlands	AGRICAB, ANIMALCHANGE, ARBO-ZOONET, VMERGE
Instituto de Higiene e Medicina Tropical	Portugal	ARBO-ZOONET, CHAIN, EDENEXT, INFRAVEC
The Chancellor, Masters and Scholars of the University of Oxford	United Kingdom	EDENEXT, EUMAGINE, INFRAVEC, NOPOOR
Danmarks Tekniske Universitet	Denmark	AFRICAN CLIMATE, CAAST-NET PLUS, EDENEXT
Københavns Universitet	Denmark	AGFOODTRADE, CHAIN, CLUVA
Robert Koch-Institut	Germany	ARBO-ZOONET, CHAIN, EDENEXT
IIMC International Information Management Corporation Limited	Ireland	IST-AFRICA 2010 - 11, IST-AFRICA 2012-13, IST-AFRICA 2014-15
Wageningen University	Netherlands	FUNCITREE, INFRAVEC, PREFACE
Association of Commonwealth Universities	United Kingdom	CAAST-NET, CAAST-NET PLUS, EUROAFRICA-ICT
Imperial College of Science, Technology and Medicine	United Kingdom	AFRICAN CLIMATE, INFRAVEC, PROLIFICA

Medical Research Council	United Kingdom	CHAIN, GENINVADE, PROLIFICA
Natural Environment Research Council	United Kingdom	AEGOS, EDENEXT, VMERGE
Veterinaermedizinische Universitaet Wien	Austria	EDENEXT, EUROWESTNILE
Commission of the European Communities - directorate General Joint Research Centre - JRC	Belgium	AEGOS, AGFOODTRADE
JRC -Joint Research Centre- European Commission	Belgium	ANIMALCHANGE, HELIX
Prins Leopold Instituut Voor Tropische Geneeskunde	Belgium	HEALTH INC., OH-NEXTGEN
Universite Catholique de Louvain	Belgium	EDENEXT, MAFE
Universite de Liege	Belgium	AGRICAB, HELIX
Universite Libre de Bruxelles	Belgium	EDENEXT, PREFACE
Universiteit Antwerpen	Belgium	EDENEXT, EUMAGINE
Ustav Biologie Obratlovcu Akademie ved CR, V.V.I.	Czech Republic	EDENEXT, EUROWESTNILE
Aarhus Universitet	Denmark	ANIMALCHANGE, UNDESERT
Jyvaeskylaan yliopisto- University of Jyvaskyla	Finland	CAAST-NET, CAAST-NET PLUS
Agence Nationale de Securite sanitaire de l'Alimentation, de l'environnement et du Travail	France	EDENEXT, EUROWESTNILE
Centre National de la Recherche Scientifique	France	INFRAVEC, NOPOOR
Sigma Consultants	France	EUROAFRICA-ICT, EUROAFRICA-P8
Thales Alenia Space France	France	IRMA, SAGA-EO
Deutsches Zentrum Fur Luft und Raumfahrt E.V.	Germany	CAAST-NET, CAAST-NET PLUS
Forschungszentrum Borstel	Germany	ARBO-ZOONET, EDENEXT
Friedrich loeffler Institut - Bundesforschungsinstitut fuer Tiergesundheit	Germany	EDENEXT, VMERGE
Universitaet Bremen	Germany	INCOFISH, WATERBIOTECH
Verein zur Foerderung Des Technologietransfers an Der Hochschule Bremerhaven e.V.	Germany	IWWA, WATERBIOTECH
Foundation for Research and Technology Hellas	Greece	CAAST-NET PLUS, INFRAVEC
Szent Istvan egyetem	Hungary	ANIMALCHANGE, EDENEXT
Fondazione Edmund Mach	Italy	EDENEXT, EUROWESTNILE
Food and Agriculture Organisation of the United Nations Fao	Italy	ANIMALCHANGE, ARBO-ZOONET
Istituto Zooprofilattico Sperimentale Dell'abruzzo e del Molise "G. Caporale" di Teramo	Italy	ARBO-ZOONET, VMERGE
Universita Degli Studi di Roma la sapienza	Italy	EDENEXT, INFRAVEC

Nederlandse Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek - TNO	Netherlands	AEGOS, VOICES
Norges Forskningsrad	Norway	CAAST-NET, CAAST-NET PLUS
Fundacao para a Ciencia e a Tecnologia	Portugal	CAAST-NET, CAAST-NET PLUS
Univerza v Ljubljani	Slovenia	ARBO-ZOONET, CHAIN
Bioazul	Spain	IWWA, WATERBIOTECH
Fundacio Centre de Recerca en Sanitat Animal Cresa	Spain	EDENEXT, VMERGE
Fundacio Institut Catala de Ciencies Del Clima	Spain	PREFACE , QWECI
Instituto de salud Carlos III	Spain	EDENEXT, EUROWESTNILE
Instituto Nacional de Investigacion y Tecnologia Agraria y Alimentaria	Spain	ARBO-ZOONET, EUROWESTNILE
Karolinska Institutet	Sweden	CHAIN, OH-NEXTGEN
Smittskyddsinstitutet	Sweden	ARBO-ZOONET, EDENEXT
Universitaet Zuerich	Switzerland	CHAIN, EDENEXT
Kafkas Universitesi	Turkey	ARBO-ZOONET, EDENEXT
Koc University	Turkey	ARBO-ZOONET, EUMAGINE
University College London	United Kingdom	CHAIN, HELIX
Internationales Institut fuer Angewandte Systemanalyse	Austria	ANIMALCHANGE
Oikodrom-Forum Nachhaltige Stadt, Verein Fur Neue Stadtebaukultur	Austria	NOPOOR
Universitaet fuer Bodenkultur Wien	Austria	WATERBIOTECH
Zentrum fuer Soziale Innovation	Austria	CAAST-NET PLUS
Agence Universitaire de la Francophonie, Delegation Chargee Des Relations Avec L'union Europeenne Asbl	Belgium	EUROAFRICA-ICT
Avia-GIS Bvba	Belgium	OH-NEXTGEN
Centrum Voor Onderzoek in diergeneeskunde en Agrochemie – CODA CeRVA	Belgium	ARBO-ZOONET
Charles Darwin Foundation for the Galapagos Islands	Belgium	INCOFISH
European Agro Environmental Health Associates Geie	Belgium	EDENEXT
European Agro Environmental Healthassociates Geie	Belgium	VMERGE
Facultes Universitaires Notre-Dame de la Paix de Namur	Belgium	NOPOOR
Institut Royal Des Sciences Naturelles de Belgique	Belgium	AEGOS
Janssen Infectious diseases diagnostics BVBA	Belgium	CHAIN
Katholieke Universiteit Leuven	Belgium	CHAIN
Spacebel sa	Belgium	IRMA

Vlaamse Instelling Voor Technologisch Onderzoek N.V.	Belgium	AGRICAB
Ceska Geologicka Sluzba	Czech Republic	AEGOS
Univerzita Karlova V Praze	Czech Republic	EDENEXT
Kobenhavns Universitet	Denmark	PREFACE
Roskilde Universitetscenter	Denmark	INCOFISH
Statens Arkiver	Denmark	EURESCL
Syddansk Universitet	Denmark	INCOFISH
Estonian Marine Institute	Estonia	INCOFISH
Geologian Tutkimuskeskus	Finland	AEGOS
Metsantutkimuslaitos	Finland	EDENEXT
Teknologian Tutkimuskeskus (VTT)	Finland	EUROAFRICA-P8
Agence Nationale de Securite Sanitaire de l'Alimentation, de l'Environnement et du Travail	France	VMERGE
Association de Coordination Technique pour l'Industrie Agroalimentaire	France	AFTER
Association de Recherche en Virologie et Dermatologie	France	CHAIN
Bureau de Recherches Geologiques et Minieres	France	AEGOS
Centre d'etudes Prospectives et d'Informations Internationales	France	AGFOODTRADE
Centre d'information et de Recherche sur l'economie Mondiale	France	AGFOODTRADE
Centre Europeen de Recherche et de Formation Avancee en Calcul Scientifique	France	PREFACE
Centre International de Recherche sur le Cancer	France	PROLIFICA
Centre International pour la Formation et les echanges en Geosciences	France	AEGOS
Centre National de la Recherche Scientifique (CNRS)	France	HELIX
Commissariat a l'energie Atomique et Aux energies Alternatives	France	ANIMALCHANGE
entente Interdepartementale pour la Demoustication du Littoral Méditerranéen	France	EDENEXT
Fondation Merieux	France	VOICES
France Telecom SA	France	VOICES
Geie eRCIM	France	VOICES
Geosat Technology saRL	France	SAGA-EO
Groupe de Recherche et d'echanges Technologiques	France	INSARD
Groupement d'Interet Public Reseau National de Telecommunications pour la Technologie, l'enseignement et la Recherche	France	IRMA
IDVet sarl	France	EDENEXT



Inra Transfert S.A.	France	ANIMALCHANGE
Institut National de la sante et de la Recherche Medicale (INSERM)	France	PROLIFICA
Institut National d'etudes Demographiques	France	MAFE
Meteo-France	France	PREFACE
Pathoquest SAS	France	VMERGE
Racines sa	France	AFTER
United Nations educational, Scientific and Cultural Organization – UNESCO	France	QWECI
Universite d'Aix Marseille	France	WATERBIOTECH
Universite Paul Cezanne Aix Marseille III	France	WATERBIOTECH
Universite Pierre et Marie Curie - Paris 6	France	PREFACE
Universite Victor Segalen Bordeaux II	France	CHAIN
Vitamib saS	France	AGFOODTRADE
Beak Consultants GmbH	Germany	AEGOS
Bundesanstalt für Geowissenschaften und Rohstoffe	Germany	AEGOS
Christian-Albrechts-Universität zu Kiel	Germany	PREFACE
European Molecular Biology Laboratory	Germany	INFRAVEC
Fraunhofer-Gesellschaft zur Förderung der Angewandten Forschung e.V.	Germany	EUROAFRICA-P8
GAF AG	Germany	SAGA-EO
GIGA German Institute of Global and Area Studies	Germany	NOPOOR
Helmholtz Zentrum für Ozeanforschung Kiel	Germany	PREFACE
Helmholtz-Zentrum für Umweltforschung GmbH – UFZ	Germany	CLUVA
Institut für Ostseeforschung Warnemünde an der Universität Rostock	Germany	PREFACE
Institut für Weltwirtschaft	Germany	NOPOOR
Johann Heinrich von Thünen-Institut, Bundesforschungsinstitut für ländliche Räume, Wald und Fischerei	Germany	PREFACE
Johann Wolfgang Goethe Universität Frankfurt am Main	Germany	UNDESERT
Leibniz Institut für Meereswissenschaften an der Universität Kiel (Previously Institut für Meereskunde)	Germany	INCOFISH
Ludwig-Maximilians-Universität München	Germany	EDENEXT
Oeko-Institut E.V. - Institut für Angewandte Ökologie	Germany	IWWA
Potsdam Institut für Klimafolgenforschung	Germany	HELIX
Senckenberg Gesellschaft für Naturforschung	Germany	UNDESERT

Sine-Institut Gem Gmbh	Germany	EDENEXT
Suddeutsches Institut Fur empirische Sozialforschung EV	Germany	EDENEXT
Technische Universitaet Berlin	Germany	IWWA
Technische Universitaet Muenchen	Germany	CLUVA
Universitaet zu Koeln	Germany	QWECI
Universitaetsklinikum Bonn	Germany	ARBO-ZOONET
Universitaetsklinikum Heidelberg	Germany	INFRAVEC
Wirtschaft und Infrastruktur GMBH & Co Planungs Kg	Germany	AFRICAN CLIMATE
Agricultural University of Athens	Greece	INFRAVEC
Aristotelio Panepistimio Thessalonikis	Greece	ARBO-ZOONET
National and Kapodistrian University of Athens	Greece	CHAIN
Panepistimio Kritis (University of Crete)	Greece	EDENEXT
Technical University of Crete	Greece	HELIX
Teagasc - Agriculture and Food Development Authority	Ireland	ANIMALCHANGE
The Provost Fellows & Scholars of the College of the Holy and Undivided Trinity of Queen elizabeth Near Dublin	Ireland	AGFOODTRADE
Medical Research and Development Fund for Health Services	Israel	EUROWESTNILE
AMRA - Analisi e Monitoraggio del Rischio Ambientale Scarl	Italy	CLUVA
Centro Agricoltura e Ambiente Giorgio Nicoli Srl	Italy	INFRAVEC
Centro di Ricerca, Sviluppo e Studi Superiori in sardegna	Italy	VOICES
Centro Euro-Mediterraneo per I Cambiamenti Climatici Scarl	Italy	CLUVA
Consiglio Nazionale delle Ricerche	Italy	WATERBIOTECH
Euresist Network Geie	Italy	CHAIN
European Association for Animal Production	Italy	ANIMALCHANGE
Fondazione Icona	Italy	CHAIN
Fondazione Penta-For the Treatment and Care of Children With Hiv-Onlus	Italy	CHAIN
Food and Agriculture Organization of the United Nations Fao	Italy	VMERGE
Forum Internazionale ed Europeo di Ricerche Sull'immigrazione	Italy	MAFE
I.T.A. - Consorzio Italiano per Il Telerilevamento Dell Ambiente e Dell Agricoltura	Italy	AGRICAB
Informa Srl	Italy	CHAIN
Istituto Superiore di Ricerca e Formazione sui Materiali Speciali Pertecnologie Avanzate Scrl in Breve Isrims Cons A R L	Italy	INFRAVEC

Istituto Zooprofilattico Sperimentale Della Lombardia e Dell'emilia Romagna Bruno Ubertini	Italy	EUROWESTNILE
Istituto Zooprofilattico Sperimentale Delle Venezie	Italy	EUROWESTNILE
Spread European safety Geie	Italy	AFTER
The Academy of Sciences for the Developing World	Italy	EUROAFRICA-ICT
Universita Ca' Foscari Venezia	Italy	PREFACE
Universita Degli Studi del Molise	Italy	AGFOODTRADE
Universita Degli Studi di Camerino	Italy	INFRAVEC
Universita Degli Studi di Napoli Federico II	Italy	INFRAVEC
Universita Degli Studi di Padova	Italy	INCOFISH
Universita Degli Studi di Pavia	Italy	INFRAVEC
Universita Degli Studi di Perugia	Italy	INFRAVEC
Universita Degli Studi di Roma Tor Vergata	Italy	CHAIN
Universita Della Calabria	Italy	AGFOODTRADE
World Food Programme	Italy	HELIX
Xeptagen SPA	Italy	PROLIFICA
Ceps Centre d Etudes de Populations de Pauvrete et de Politiques Socio-Economiques	Luxembourg	NOPOOR
Ministere D'etat	Luxembourg	IRMA
SeS ASTRA TechCom sa	Luxembourg	IRMA
Technologies sans Frontieres ASBL	Luxembourg	IRMA
Universite Du Luxembourg	Luxembourg	IRMA
Cisco Systems International B. V.	Netherlands	IRMA
Erasmus Universitair Medisch Centrum Rotterdam	Netherlands	CHAIN
Provimi Holding BV	Netherlands	ANIMALCHANGE
Stichting eTC	Netherlands	INSARD
Stichting International Institute for Communication and Development	Netherlands	EUROAFRICA-P8
Stichting Katholieke Universiteit	Netherlands	INFRAVEC
Stichting Katholieke Universiteit Brabant Universiteit van Tilburg	Netherlands	IRMA
Stichting Vu-Vumc	Netherlands	HELIX
The Technical Centre For Agricultural And Rural Cooperation	Netherlands	CAAST-NET PLUS
Universitair Medisch Centrum Utrecht	Netherlands	CHAIN

Universiteit Maastricht	Netherlands	MAFE
Universiteit Twente	Netherlands	AGRICAB
Universiteit Utrecht	Netherlands	EDENEXT
Vereniging Voor Christelijk Hoger Onderwijs Wetenschappelijk Onderzoek en Patientenzorg	Netherlands	VOICES
Havforskninginstituttet	Norway	PREFACE
Institutt for Fredsforskning Stiftelse	Norway	EUMAGINE
Norsk Institutt for By- Og Regionforskning	Norway	CLUVA
Stiftelsen Norsk Institutt for Naturforskning	Norway	FUNCITREE
Uni Research As	Norway	PREFACE
Universitetet I Bergen	Norway	PREFACE
Universitetet I Tromsøe	Norway	INCOFISH
Panstwowy Instytut Geologiczny	Poland	AEGOS
Wyzsza Szkola ekonomiczna w Bialymstoku	Poland	AGFOODTRADE
Fertiprado Sementes e Nutrientes, LDA	Portugal	ANIMALCHANGE
Instituto Nacional de engenharia, Tecnologia e Inovacao	Portugal	AEGOS
Portugal Telecom Inovacao SA	Portugal	VOICES
Umic - Agencia para a Sociedade do Conhecimento - Umic - Knowledge Society Agency	Portugal	EUROAFRICA-P8
Universidade Catolica Portuguesa	Portugal	AFTER
Universidade do Porto	Portugal	EURESCL
Institutul National de Cercetare Dezvoltare Pentru Microbiologie Si Imunologie Cantacuzino	Romania	EDENEXT
Institutul National de Cercetare-Dezvoltare Delta Dunarii	Romania	EDENEXT
Slovenska Polnohospodarska Universita v Nitre (Slovak Agricultural University in Nitra)	Slovak Republic	AGFOODTRADE
Ustav Zoologie Slovenskej Akademie Vied	Slovak Republic	EDENEXT
Casa de Velazquez	Spain	EURESCL
Deimos Imaging S.L.	Spain	AGRICAB
Fundacio Privada Institut de Recerca de la Sida-Caixa	Spain	CHAIN
Fundacion española para la Cooperacion Internacional salud y Politica Social	Spain	CAAST-NET PLUS
Fundacion Gaiker	Spain	IWWA

Inmunologia y Genetica Aplicada SA	Spain	EUROWESTNILE
Ministerio de economia y Competitividad	Spain	CAAST-NET
Pau Education SI	Spain	AFRICAN CLIMATE
Servicio Madrilenio de salud	Spain	CHAIN
Universidad Autonoma de Madrid	Spain	NOPOOR
Universidad Complutense de Madrid	Spain	PREFACE
Universidad de zaragoza	Spain	ARBO-ZOONET
Universidad Politecnica de Madrid	Spain	ANIMALCHANGE
Universitat de les Illes Balears	Spain	EDENEXT
Universitat Politecnica de Catalunya	Spain	WATERBIOTECH
Universitat Pompeu Fabra	Spain	MAFE
Vircell SL	Spain	EUROWESTNILE
Kungliga Tekniska Hoegskolan	Sweden	EUROAFRICA-P8
Naturhistoriska Riksmuseet	Sweden	INCOFISH
Stockholms Universitet	Sweden	INFRAVEC
Sveriges Lantbruksuniversitet	Sweden	IWWA
Sveriges Meteorologiska Och Hydrologiska Institut	Sweden	HELIX
Verket för Innovationssystem	Sweden	CAAST-NET
Council on Health Research for Development Association	Switzerland	CAAST-NET PLUS
eidgenoessische Materialpruefungs- und Forschungsanstalt	Switzerland	IWWA
eidgenoessisches Volkswirtschaftsdepartement	Switzerland	ANIMALCHANGE
Schweizerisches Tropen- und Public Health-Institut	Switzerland	OH-NEXTGEN
World Health Organization	Switzerland	CHAIN
World Wide Web Foundation	Switzerland	VOICES
Ege Universitesi	Turkey	EDENEXT
Hacettepe Universitesi	Turkey	EDENEXT
Marmara University	Turkey	ARBO-ZOONET
Turkiye Bilimsel ve Teknolojik Arastirma Kurumu	Turkey	CAAST-NET
Aberystwyth University	United Kingdom	ANIMALCHANGE
Bioclimate Research and Development Limited by Guarantee	United Kingdom	UNDESERT
Centre for Environment, Fisheries & Aquaculture Science	United Kingdom	INCOFISH

European Centre for Medium-Range Weather Forecasts	United Kingdom	QWECI
Health Protection Agency Hpa	United Kingdom	ARBO-ZOONET
International Governance Solutions LTD.	United Kingdom	INCOFISH
Liverpool School of Tropical Medicine	United Kingdom	INFRAVEC
London School of Economics and Political Science	United Kingdom	HEALTH INC.
London School of Hygiene and Tropical Medicine	United Kingdom	GENINVADE
Met Office	United Kingdom	HELIX
Oxitec Limited	United Kingdom	INFRAVEC
Practical Action	United Kingdom	INSARD
PracticalAction	United Kingdom	AFRICAN CLIMATE
The Institute for Animal Health	United Kingdom	EDENEXT
The Pirbright Institute	United Kingdom	VMERGE
The Scottish Agricultural College	United Kingdom	ANIMALCHANGE
The Secretary of State for Environment, Food and Rural Affairs	United Kingdom	ARBO-ZOONET
The University Court of the University of Aberdeen	United Kingdom	INCOFISH
The University Court of the University of St Andrews	United Kingdom	ARBO-ZOONET
The University of Edinburgh	United Kingdom	OH-NEXTGEN
The University of Exeter	United Kingdom	HELIX
The University of Hull	United Kingdom	INCOFISH
The University of Liverpool	United Kingdom	QWECI
The University of Manchester	United Kingdom	CLUVA
The University of Newcastle Upon Tyne	United Kingdom	INCOFISH
The University of Reading	United Kingdom	PREFACE
University of Bath	United Kingdom	WATERBIOTECH
University of East Anglia	United Kingdom	HELIX
University of Glasgow	United Kingdom	INFRAVEC
University of Greenwich	United Kingdom	AFTER
University of Hull	United Kingdom	EURESCL
University of Keele	United Kingdom	INFRAVEC
University of Sussex	United Kingdom	MAFE



## South Africa

Organisation	Country	Projects
Deutsches Zentrum für Luft und Raumfahrt E.V.	Germany	ALFA-BIRD, CAAST-NET, CAAST-NET PLUS, DEORBIT SAIL, EO-MINERS, ERAFRICA, ESASTAP PLUS, EURORIS-NET, EUROSIS, FFAST, FUTURE, INCONTACT, INCONTACT 2020, INCONTACT-ONE WORLD, IS-ENES2, NET4SOCIETY, NOVEMOR, STAGE-STE
Institut de Recherche pour le Développement	France	AEGOS, BRAGMA, CAAST-NET, CAAST-NET PLUS, EOPOWER, ERAFRICA, ESASTAP PLUS, EVIMALAR, FUME, GEONETCAB, INCONTACT 2020, INCONTACT-ONE WORLD, INSTAPA, MEECE, NOPOOR, PREFACE, SACCESS
Agenzia per la Promozione della Ricerca Europea	Italy	ABESTII, BIO CIRCLE, BIO CIRCLE 2, ESASTAP PLUS, EURORIS-NET, EURORIS-NET+, EUROSIS, INCONTACT, INCONTACT 2020, INCONTACT-ONE WORLD, NET4SOCIETY, NUCL-EU, SACCESS, SEREN, SEREN 2
Stichting dienst Landbouwkundig Onderzoek	Netherlands	AGRICAB, ANIMALCHANGE, ARBO-ZOONET, EAU4FOOD, EBONE, FRUIT BREEDOMICS, GRACE, JOLISAA, MEECE, MYCORED, ORBIVAC, QBOL, TB-STEP, TESTA
Türkiye Bilimsel ve Teknolojik Araştırma Kurumu	Turkey	BIOWASTE4SP, CAAST-NET, EOPOWER, ERAFRICA, EURORIS-NET, EURORIS-NET+, EUROSIS, INCONTACT, MYCORED, NET4SOCIETY, OSIRIS, SEREN, SEREN 2
Centre de Coopération International en Recherche Agronomique Pour le Développement	France	ABESTII, AFROMAISON, AFTER, ANIMALCHANGE, ARBO-ZOONET, ASFRISK, CAAST-NET, CLIMAFRICA, EAU4FOOD, JOLISAA, ORBIVAC, SWEETFUEL
Centre National de la Recherche Scientifique (CNRS)	France	AGROCOS, ALFA-BIRD, CARBOWASTE, CHANCE2SUSTAIN, EURORIS-NET, EURORIS-NET+, IS-ENES2, LUC4C, MEECE, NET4SOCIETY, PREPSKA, STAGE-STE
Consiglio Nazionale Delle Ricerche	Italy	BELIEF-II, CAPWA, EOPOWER, FUME, GLOWASIS, GMOS, MAREFRAME, MYCORED, PHARMASEA.

		PLAPROVA, S-PULSE, STAGE-STE
The Chancellor, Masters and Scholars of the University of Oxford	United Kingdom	EVIMALAR, GO4HEALTH, HURAPRIM, MECODEM, MUTHI, NOPOOR, PATHCO, PREPSKA, PRIMO, RADIONET3, RADIONET-FP7
JRC -Joint Research Centre- European Commission	Belgium	ANIMALCHANGE, DEVCOCAST, DEWFORA, EUROPAIRS, FUME, GLOWASIS, GMOS, IMPRINTS, LUC4C, NC2I-R
Commissariat a l' Energie Atomique	France	CARBOCHANGE, CARBOWASTE, CHAARM, GEN2PHEN, MEECE, NANOCODE, SEREN, SEREN 2, S-PULSE, STAGE-STE
Max Planck Gesellschaft zur Foerderung der Wissenschaften E.V.	Germany	CARBOCHANGE, CLIMAFRICA, CTA-PP, EVIMALAR, GMOS, IS-ENES2, PREPSKA, RADIONET3, RADIONET-FP7, TANDEM
Foundation for Research and Technology Hellas	Greece	CAAST-NET PLUS, ESASTAP PLUS, EVIMALAR, GEN2PHEN, INCONTACT, INCONTACT 2020, INCONTACT-ONE WORLD, SACCCESS, SEREN, SEREN 2
Karolinska Institutet	Sweden	ARCADE HSSR, ARCADE RSDH, CHAARM, CHEPSAA, EVIMALAR, GEN2PHEN, ICONZ, NANOSOLUTIONS, OH-NEXTGEN, RN4CAST
The University of Manchester	United Kingdom	CARBOWASTE, CLUVA, GEN2PHEN, I4S, IMPACT, IS-ENES2, NANOSOLUTIONS, PREPSKA, RADIONET3, RADIONET-FP7
Danmarks Tekniske Universitet	Denmark	AFRICAN CLIMATE, BIOWASTE4SP, BRIGHTANIMAL, CAAST-NET PLUS, MEECE, MYCORED, NANOSOLUTIONS, OCTAVIUS, PHARMASEA
Institut National de la Recherche Agronomique	France	AFTER, ALFA-BIRD, ANIMALCHANGE, FRUIT BREEDOMICS, GRACE, MODEXTREME, MYCORED, QBOL, TESTA
Fraunhofer-Gesellschaft zur Foerderung der Angewandten Forschung E.V	Germany	AEROAFRICA-EU, EO2HEAVEN, EUCO-NET, EUROAFRICA-P8, MASSIF, RADIONET3, RADIONET-FP7, STAGE-STE, TRESCIMO
Norges Forskningsrad	Norway	CAAST-NET, CAAST-NET PLUS, EURORIS-NET, EUROSIS, INCONTACT 2020, INCONTACT-ONE WORLD, NET4SOCIETY, SEREN, SEREN 2
London School of Hygiene and Tropical Medicine	United Kingdom	CHEPSAA, EVIMALAR, GO4HEALTH, HARP,

		INSTAPA, ORBIVAC, SDH-NET, TANDEM, UNITAS
Natural Environment Research Council	United Kingdom	AEGOS, CARBOCHANGE, DEVCOCAST, EAMNET, EBONE, EO-MINERS, GREENSEAS, MEECE, PLASMON
Katholieke Universiteit Leuven	Belgium	CCH FEVER, CHAARM, EU-GRASP, FRAME, FRUIT BREEDOMICS, PHARMASEA, RN4CAST, THINC
Prins Leopold Instituut voor Tropische Geneeskunde	Belgium	ADVANZ, CHAARM, EUCO-NET, GO4HEALTH, ICONZ, OH-NEXTGEN, SUNRAY, UNITAS
Universiteit Twente	Netherlands	AGRICAB, CAPWA, DEVCOCAST, EO2HEAVEN, EOPOWER, GARNET-E, GEONETCAB, S-PULSE
Wageningen University	Netherlands	IMPRINTS, INSTAPA, IS-ENES2, PLANTLIBRA, PLAPROVA, PREFACE , SUNRAY, VEG-I-TRADE
The University of Edinburgh	United Kingdom	ADVANZ, AMASA, EBONE, GO4HEALTH, ICONZ, LUC4C, MERCURY, OH-NEXTGEN
The University of Liverpool	United Kingdom	CHAARM, FFAST, HEALTHY FUTURES, ICONZ, NOVEMOR, PARAVAC, PATHCO, QWECI
Matimop, Israeli Industry Center for Research & Development	Israel	EURORIS-NET, EURORIS-NET+, EUROSIS, NET4SOCIETY, OSIRIS, SEREN, SEREN 2
Nederlandse Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek - TNO	Netherlands	AEGOS, COCATE, GLOWASIS, NANOSOLUTIONS, OCTAVIUS, SI-DRIVE, VOICES
Technische Universiteit Delft	Netherlands	AUTOPROFIT, FFAST, GEO-INSTALL, NANOCODE, RADIONET3, RADIONET-FP7, TOPS
Instytut Podstawowych Problemow Techniki Polskiej Akademii Nauk	Poland	EURORIS-NET, EURORIS-NET+, EUROSIS, NET4SOCIETY, NUCL-EU, SEREN, SEREN 2
Agencia Estatal Consejo Superior de Investigaciones Cientificas	Spain	ASFRISK, CARBOCHANGE, EAU4FOOD, FUME, MAREFRAME, QWECI, VEG-I-TRADE
Stockholms Universitet	Sweden	CTA-PP, EVIMALAR, MAREFRAME, MECODEM, PODER, TXOTX, WHATER
Verket för Innovationssystem	Sweden	CAAST-NET, EURORIS-NET, EUROSIS, INCONTACT, INCONTACT-ONE WORLD, NET4SOCIETY, SACCESS
Verein Euresearch	Switzerland	ESASTAP PLUS, EURORIS-NET, EURORIS-NET+, EUROSIS, NET4SOCIETY, SEREN, SEREN 2
Imperial College of Science, Technology and Medicine	United Kingdom	AFRICAN CLIMATE, CHAARM, EVIMALAR, FUTURE, PATHCO, TOPS, TXOTX
The Chancellor, Masters and Scholars of the University of Cambridge	United Kingdom	MERCURY, MM4TB, PREPSKA, RADIONET3,

		RADIONET-FP7, S-PULSE, SUP@VAMDC
The Secretary of State for Environment, Food and Rural Affairs	United Kingdom	ARBO-ZOONET, MEECE, PLANTLIBRA, QBOL, TB-STEP, TESTA, TXOTX
Oesterreichische Forschungsfoerderungsgesellschaft Mbh	Austria	EURORIS-NET, EURORIS-NET+, EUROSIS, NET4SOCIETY, SEREN, SEREN 2
Universiteit Gent	Belgium	AMASA, DIFFER, HURAPRIM, PARAVAC, QBOL, VEG-I-TRADE
Research Promotion Foundation	Cyprus	EURORIS-NET, EUROSIS, NET4SOCIETY, NUCL-EU, SEREN, SEREN 2
Sihtasutus Archimedes	Estonia	EURORIS-NET, EUROSIS, INCONTACT-ONE WORLD, NET4SOCIETY, SEREN, SEREN 2
Lunds Universitet	Sweden	CLIMAFRICA, EJOLT, FESSUD, FUME, GEN2PHEN, INGENEUS
Universite de Geneve	Switzerland	AFROMAISON, CHAARM, EOPOWER, EVIMALAR, SDH-NET, THINC
University College London	United Kingdom	CHAARM, DIFFER, IMPACT, NANOSOLUTIONS, SUP@VAMDC, TBSUSGENT
Commission of the European Communities - directorate General Joint Research Centre - JRC	Belgium	AEGOS, CARBOWASTE, EBONE, EO2HEAVEN, LIVEDIVERSE
Dienst voor Wetenschappelijke en Technische Informatie- Service d'information Scientifique et Technique	Belgium	EURORIS-NET, EURORIS-NET+, EUROSIS, NET4SOCIETY, SEREN 2
Aarhus Universitet	Denmark	ANIMALCHANGE, GMOS, GRACE, QBOL, TESTA
Centre National de la Recherche Scientifique	France	CRIMALDDI, CTA-PP, EVIMALAR, FUME, NOPOOR
Institut National de la sante et de la Recherche Medicale (INSERM)	France	CRIMALDDI, EVIMALAR, GEN2PHEN, MM4TB, PATHCO
Institut Pasteur	France	ARBO-ZOONET, EVIMALAR, MM4TB, NOVSEC-TB, PATHCO
Forschungszentrum Juelich Gmbh	Germany	BIO CIRCLE, BIO CIRCLE 2, CARBOWASTE, EUROPAIRS, NC2I-R
Potsdam Institut fuer Klimafolgenforschung	Germany	AFROMAISON, CLIMAFRICA, DEWFORA, FUME, LUC4C
Universitaet Zu Koeln	Germany	MERCURY, QWECI, RADIONET3, RADIONET-FP7, SUP@VAMDC
Aristotelio Panepistimio Thessalonikis	Greece	ARBO-ZOONET, CCH FEVER, EBONE, EOPOWER, PRACTICE

National and Kapodistrian University of Athens	Greece	AGROCOS, BELIEF-II, FESSUD, FUME, RN4CAST
IIMC International Information Management Corporation Limited	Ireland	BRAGMA, IST-AFRICA 2008, IST-AFRICA 2010 - 11, IST-AFRICA 2012-13, IST-AFRICA 2014-15
University College Dublin, National University of Ireland, Dublin	Ireland	FRAME, NANOSOLUTIONS, NOVSEC-TB, PARAVAC, TB-STEP
Istituto Nazionale di Astrofisica	Italy	CTA-PP, EU-UNAWA, PREPSKA, RADIONET3, RADIONET-FP7
Istituto Superiore di sanita	Italy	ARBO-ZOONET, EUACO-NET, EVIMALAR, PLANTLIBRA, TB-STEP
Vereniging Voor Christelijk Hoger Onderwijs Wetenschappelijk Onderzoek en Patientenzorg	Netherlands	CLIMAFRICA, GATEWAYS, LIVEDIVERSE, VOICES, WHATER
Universitetet I Bergen	Norway	CARBOCHANGE, IS-ENES2, MEECE, PREFACE , PREPARE
Fundacao para a Ciencia e a Tecnologia	Portugal	CAAST-NET, CAAST-NET PLUS, ERAFRICA, EURORIS-NET, SEREN 2
Universidad Politecnica de Madrid	Spain	ANIMALCHANGE, DEWFORA, EBONE, FUTURE, MASSIF
Chalmers Tekniska Hoegskola AB	Sweden	GMOS, PREPSKA, RADIONET3, RADIONET-FP7, S-PULSE
Kungliga Tekniska Hoegskolan	Sweden	AEROAFRICA-EU, AUTOPROFIT, EUROAFRICA-P8, FUTURE, NOVEMOR
Schweizerisches Tropen- und Public Health-Institut	Switzerland	AMASA, CHEPSAA, ICONZ, MALAREO, OH-NEXTGEN
Association of Commonwealth Universities	United Kingdom	CAAST-NET, CAAST-NET PLUS, EUROAFRICA-ICT, EUROAFRICA-ICT.ORG, PAERIP
Plymouth Marine Laboratory	United Kingdom	CARBOCHANGE, DEVCOCAST, EAMNET, GREENSEAS, MEECE
University of Leeds	United Kingdom	CHEPSAA, CTA-PP, FESSUD, MECODEM, PLANTLIBRA
Technologicke Centrum Akademie Ved Ceske Republiky	Czech Republic	EURORIS-NET, EUROSIS, NANOCODE, SEREN 2
Univerzita Karlova V Praze	Czech Republic	AIM, EOPOWER, GEONETCAB, MERCURY
Danmarks Meteorologiske Institut	Denmark	DEVCOCAST, EAMNET, IS-ENES2, MODEXTREME
Københavns Universitet	Denmark	CLUVA, EVIMALAR, ICONZ, T-REC
Observatoire de Paris	France	PREPSKA, RADIONET3, RADIONET-FP7, SUP@VAMDC

Ethniko Idryma Erevnon	Greece	EURORIS-NET, EURORIS-NET+, NET4SOCIETY, PAERIP
Nemzeti Innovációs Hivatal	Hungary	EURORIS-NET, EURORIS-NET+, EUROSIS, NET4SOCIETY
Alma Mater Studiorum-Università di Bologna	Italy	FRUIT BREEDOMICS, MEECE, QBOL, SWEETFUEL
Centro Euro-Mediterraneo sui Cambiamenti Climatici Scarl	Italy	CLIMAFRICA, GREENSEAS, IS-ENES2, LUC4C
Università Degli Studi di Milano	Italy	CRIMALDDI, FRUIT BREEDOMICS, MODEXTREME, PLANTLIBRA
Università Degli Studi di Padova	Italy	CTA-PP, INCOFISH, MM4TB, NOVSEC-TB
Università Degli Studi di Siena	Italy	BIOWASTE4SP, CHAARM, FESSUD, THINC
Mokslo Inovacijų Ir Technologijų Agentūra	Lithuania	EURORIS-NET, EUROSIS, NET4SOCIETY, SEREN 2
Luxinnovation Gie	Luxembourg	EURORIS-NET, EUROSIS, NET4SOCIETY, SEREN
Office of the Prime Minister	Malta	EURORIS-NET, EUROSIS, NET4SOCIETY, SEREN 2
Academisch Ziekenhuis Leiden - Leids Universitair Medisch Centrum	Netherlands	EVIMALAR, GEN2PHEN, PARAVAC, TANDEM
Universiteit Utrecht	Netherlands	CHAARM, FASMED, FRAME, GLOWASIS
Agencia de Inovacao - Inovacao Empresarial e Transferencia de Tecnologia	Portugal	EURORIS-NET, EUROSIS, NET4SOCIETY, SEREN
Universidad Complutense de Madrid	Spain	ASFRISK, ORBIVAC, PREFACE, TB-STEP
Middle East Technical University	Turkey	DEORBIT SAIL, FESSUD, MEECE, PRIMO
King's College London	United Kingdom	CHAARM, CODEMISUSED, EMERALD, RN4CAST
Science and Technology Facilities Council	United Kingdom	IS-ENES2, PREPSKA, RADIONET3, RADIONET-FP7
The University Court of the University of Aberdeen	United Kingdom	INCOFISH, MAREFRAME, PHARMASEA, PRACTICE
University of Bristol	United Kingdom	CARBOCHANGE, FFAST, IMPACT, NOVEMOR
Paris-Iodron-Universität Salzburg	Austria	BRAGMA, GARNET-E, HEALTHY FUTURES
Avia-Gis Bvba	Belgium	ADVANZ, ICONZ, OH-NEXTGEN
Vlaamse Instelling Voor Technologisch Onderzoek N.V.	Belgium	AGRICAB, DEVCOCAST, GARNET-E
Hrvatski Institut za Tehnologiju	Croatia	EUROSIS, NET4SOCIETY, SEREN 2
Copenhagen Business School	Denmark	GREEN, I4S, INGINEUS
Forsknings- Og Innovationsstyrelsen	Denmark	EUROSIS, NET4SOCIETY, SEREN
Sihtasutus eesti Teadusagentuur	Estonia	INCONTACT 2020, INCONTACT-ONE WORLD, SEREN 2
Turun yliopisto	Finland	CTA-PP, NANOSOLUTIONS, RADIONET3
Areva Np SAS	France	CARBOWASTE, EUROPAIRS, NC2I-R



Association de Coordination Technique pour l'Industrie Agroalimentaire	France	AFTER, BIO CIRCLE, BIO CIRCLE 2
Bureau de Recherches Geologiques et Minieres	France	AEGOS, EO2HEAVEN, EO-MINERS
Centre Europeen de Recherche et de Formation Avancee en Calcul Scientifique	France	FUTURE, IS-ENES2, PREFACE
Commissariat a l'energie Atomique et Aux energies Alternatives	France	ANIMALCHANGE, CLIMAFRICA, CTA-PP
France Telecom SA	France	DIGITALWORLD, MASSIF, VOICES
IFP Energies Nouvelles	France	ALFA-BIRD, COCATE, OCTAVIUS
Inra Transfert S.A.	France	ANIMALCHANGE, FRUIT BREEDOMICS, MODEXTREME
Meteo-France	France	EAMNET, IS-ENES2, PREFACE
Sigma Consultants	France	EUROAFRICA-ICT, EUROAFRICA-ICT.ORG, EUROAFRICA-P8
United Nations educational, Scientific and Cultural Organization – UNESCO	France	AFROMAISON, HEALTHY FUTURES, QWECI
Universite Bordeaux I	France	NANOSOLUTIONS, RADIONET3, RADIONET-FP7
Universite d'orleans	France	PREPSKA, RADIONET3, RADIONET-FP7
Universite Pierre et Marie Curie - Paris 6	France	CARBOCHANGE, NATIOMEM, PREFACE
Friedrich Loeffler Institut - Bundesforschungsinstitut fuer Tiergesundheit	Germany	ASFRISK, ICONZ, ORBIVAC
Helmholtz Zentrum fuer Ozeanforschung Kiel	Germany	CARBOCHANGE, GATEWAYS, PREFACE
Karlsruher Institut fuer Technologie	Germany	ALFA-BIRD, LUC4C, S-PULSE
Technische Universitaet Berlin	Germany	IWWA, RN4CAST, RPC-HVTS-DCS
The European Organisation for the exploitation of Meteorological satellites	Germany	AIDA, DEVCOCAST, EAMNET
Universitaet Hamburg	Germany	MECODEM, PRACTICE, PRIMO
Universitaetsklinikum Heidelberg	Germany	CRIMALDDI, EVIMALAR, GO4HEALTH
The Icelandic Centre for Research	Iceland	EURORIS-NET, EUROSIS, NET4SOCIETY
Ben-Gurion University of the Negev	Israel	CCH FEVER, EU-GRASP, PRACTICE
Centro Euro-Mediterraneo per I Cambiamenti Climatici Scarl	Italy	CLUVA, FUME, PRACTICE
Food and Agriculture Organisation of the United Nations Fao	Italy	ANIMALCHANGE, ARBO-ZOONET, CLIMAFRICA
Universita Cattolica del Sacro Cuore	Italy	MYCORED, NOVSEC-TB, SWEETFUEL
Universita Degli Studi di Roma la Sapienza	Italy	CHAARM, EVIMALAR, MYCORED
Universita Degli Studi di sassari	Italy	FUME, PRACTICE, TBSUSGENT
Universita Degli Studi di Torino	Italy	EVIMALAR, FASMED, TESTA
Joint Institute for V.I.B.I. in Europe (J.I.V.E.)	Netherlands	PREPSKA, RADIONET3, RADIONET-FP7
Ministerie van Economische Zaken, Landbouw en Innovatie	Netherlands	EURORIS-NET, EUROSIS, NET4SOCIETY

Nuclear Research and Consultancy Group	Netherlands	CARBOWASTE, EUROPAIRS, NC2I-R
Stichting Astronomisch Onderzoek in Nederland	Netherlands	PREPSKA, RADIONET3, RADIONET-FP7
Universiteit van Amsterdam	Netherlands	CHANCE2SUSTAIN, GREEN, MUTHI
Uni Research As	Norway	CARBOCHANGE, GREENSEAS, PREFACE
Universitetet i Tromsø	Norway	INCOFISH, MAREFRAME, PHARMASEA
Ministrstvo za Visoko Solstvo, Znanost in Tehnologijo	Slovenia	EUROSIS, NET4SOCIETY, OSIRIS
Centro para el Desarrollo Tecnológico Industrial	Spain	NET4SOCIETY, SEREN, SEREN 2
Fundacio Institut Català de Ciències Del Clima	Spain	IS-ENES2, PREFACE , QWECI
Inmunología y Genética Aplicada SA	Spain	ASFRISK, ORBIVAC, TB-STEP
Universidad de Zaragoza	Spain	ARBO-ZOONET, EUROSIS, MM4TB
Goetheborgs Universitet	Sweden	CARBOCHANGE, EU-GRASP, GMOS
Smittskyddsinstitutet	Sweden	ARBO-ZOONET, CCH FEVER, EVIMALAR
Sveriges Lantbruksuniversitet	Sweden	EBONE, IWWA, MAREFRAME
Council on Health Research for Development Association	Switzerland	CAAST-NET PLUS, MASCOT, SDH-NET
Ecole Polytechnique Fédérale de Lausanne	Switzerland	FUTURE, MM4TB, NOVSEC-TB
Eidgenössisches Volkswirtschaftsdepartement	Switzerland	ANIMALCHANGE, FRUIT BREEDOMICS, GRACE
Eidgenössische Technische Hochschule Zürich	Switzerland	CARBOCHANGE, ENEXAL, FRUIT BREEDOMICS
Universität Basel	Switzerland	AGROCOS, CHAARM, RN4CAST
Amec Nuclear UK Limited	United Kingdom	CARBOWASTE, EUROPAIRS, NC2I-R
Cranfield University	United Kingdom	AEROAFRICA-EU, MYCORED, STAGE-STE
European Centre for Medium-Range Weather Forecasts	United Kingdom	DEWFORA, GLOWASIS, QWECI
Liverpool School of Tropical Medicine	United Kingdom	CRIMALDDI, EVIMALAR, T-REC
Met Office	United Kingdom	CARBOCHANGE, IS-ENES2, LUC4C
St George's Hospital Medical School	United Kingdom	ATP, CHAARM, TANDEM
The University of Exeter	United Kingdom	I4S, LUC4C, PREPARE
The University of Reading	United Kingdom	FRUIT BREEDOMICS, IS-ENES2, PREFACE
University of Glasgow	United Kingdom	EVIMALAR, PARAVAC, TOPS
University of Surrey	United Kingdom	DEORBIT SAIL, NATIONEM, PLANTLIBRA
University of York	United Kingdom	CHAARM, GMOS, HEALTHY FUTURES
Universität für Bodenkultur Wien	Austria	CLARA, MYCORED
Zentrum für Soziale Innovation	Austria	CAAST-NET PLUS, SI-DRIVE

Agence Universitaire de la Francophonie, Delegation Chargee Des Relations Avec L'union Europeenne Asbl	Belgium	EUROAFRICA-ICT, EUROAFRICA-ICT.ORG
Centre for European Policy Studies	Belgium	FUME, GRACE
Centrum voor Onderzoek in Diergeneeskunde en Agrochemie - Coda	Belgium	ASFRISK, ORBIVAC
European Road Transport Telematics Implementation Coordination Organisation S.C.R.I.	Belgium	SIMBA II, STADIUM
Facultes Universitaires Notre-Dame de la Paix de Namur	Belgium	NOPOOR, PODER
Polis - Promotion of Operational Links With Integrated Services, Association Internationale	Belgium	SIMBA II, STADIUM
Solvay SA	Belgium	EUROPAIRS, NANOSOLUTIONS
United Nations University - Comparative Regional Integration Studies	Belgium	EU-GRASP, GREEN
Universite Libre de Bruxelles	Belgium	GREEN, PREFACE
Universiteit Antwerpen	Belgium	AFROMAISON, CHAARM
Centre for National Security and Defense Research	Bulgaria	SEREN, SEREN 2
Sofiiski Universitet Sveti Kliment Ohridski	Bulgaria	EURORIS-NET, EURORIS-NET+
Ceska Geologicka Sluzba	Czech Republic	AEGOS, EO-MINERS
Aalborg Universitet	Denmark	BRIGHTANIMAL, MAREFRAME
Kobenhavns Universitet	Denmark	ADVANSZ, PREFACE
Syddansk Universitet	Denmark	INCOFISH, MEECE
Aalto-Korkeakoulusaatio	Finland	RADIONET3, RADIONET-FP7
Helsingin Yliopisto	Finland	GEN2PHEN, MAREFRAME
Jyvaeskylaen yliopisto- University of Jyvaskyla	Finland	CAAST-NET, CAAST-NET PLUS
Agence Nationale de Securite Sanitaire de l'Alimentation, de l'Environnement et du Travail	France	ORBIVAC, QBOL
Electricite de France S.A.	France	CARBOWASTE, OCTAVIUS
Fondation Nationale des Sciences Politiques	France	FESSUD, MERCURY
Geie eRCIM	France	DIGITALWORLD, VOICES
Institut de Radioastronomie Millimetrique Institut de Radioastronomie Millimetrique Institut de Radio Astronomie Millimetrique Societe Civile* I.R.a.M.	France	RADIONET3, RADIONET-FP7
Institut de Radioprotection et de Surete Nucleaire	France	EUROPAIRS, NC2I-R
Institut National de l'Environnement et des Risques Ineris	France	ALFA-BIRD, OCTAVIUS
Institut National de Recherche en Informatique et en Automatique	France	FFAST, IMPACT
Office National d'etudes et de Recherches Aerospatiales	France	ALFA-BIRD, FUTURE

Snecma SA	France	ALFA-BIRD, FUTURE
Thales Alenia Space France	France	IRMA, S-PULSE
Areva Np GMBH	Germany	EUROPAIRS, NC2I-R
Christian-Albrechts-Universitaet Zu Kiel	Germany	GATEWAYS, PREFACE
E.On Kernkraft GMBH	Germany	EUROPAIRS, NC2I-R
European Aids Treatment Group EV	Germany	CHAARM, EUCO-NET
European Molecular Biology Laboratory	Germany	EVIMALAR, IMPACT
European Research and Project Office GMBH	Germany	EUCO-NET, TANDEM
European Southern Observatory - Eso European Organisation for Astronomical Research in the Southern Hemisphere	Germany	RADIONET3, RADIONET-FP7
Giga German Institute of Global and Area Studies	Germany	NOPOOR, PRIMO
Helmholtz-Zentrum Potsdam Deutsches Geoforschungszentrum	Germany	DEWFORA, TOPS
Julius Kuhn-Institut Bundesforschungsinstitut fur Kulturpflanzen	Germany	FRUIT BREEDOMICS, GRACE
Ludwig-Maximilians-Universitaet Muenchen	Germany	NANOSOLUTIONS, TBSUSGENT
Mtu Aero Engines GMBH	Germany	ALFA-BIRD, FUTURE
Philipps Universitaet Marburg	Germany	CCH FEVER, EVIMALAR
Rheinisch-Westfaelische Technische Hochschule Aachen	Germany	AUTOPROFIT, ENEXAL
Ruprecht-Karls-Universitaet Heidelberg	Germany	CTA-PP, EU-UNAWA
Technische Universitaet Dresden	Germany	EO2HEAVEN, NC2I-R
Technische Universitaet Muenchen	Germany	CLUVA, GRACE
Technische Universität Berlin	Germany	STADIUM, TRESCIMO
Universitaet Bremen	Germany	CARBOCHANGE, INCOFISH
Universitaet Stuttgart	Germany	GEO-INSTALL, NANOCODE
Verein zur Foerderung Des Technologietransfers an Der Hochschule Bremerhaven e.V.	Germany	CLARA, IWWA
Wirtschaft und Infrastruktur GMBH & Co Planungs Kg	Germany	AFRICAN CLIMATE, SWEETFUEL
Anonymi etaireia Viomichanikis erevna Kai Technologikis Anaptyxis Tis Viomichanias Trofimon - Food Industrial Research and Technological Development Company sa	Greece	BIO CIRCLE, BIO CIRCLE 2
University of Patras	Greece	DEORBIT SAIL, GEN2PHEN
Bay Zoltan Alkalmazott Kutatasi Kozhasznu Nonprofit KFT.	Hungary	BIO CIRCLE, BIO CIRCLE 2
Eötvös loránd Tudományegyetem	Hungary	FRAME, PLASMON

Tudományos és Technológiai Alapítvány	Hungary	BIO CIRCLE, BIO CIRCLE 2
Hafrannsóknastofnunin	Iceland	CARBOCHANGE, MAREFRAME
An Tudaras um Ard-Oideachas Higher Education Authority	Ireland	EURORIS-NET, NET4SOCIETY
University College Cork, National University of Ireland, Cork	Ireland	OSIRIS, PHARMASEA
Tel Aviv University	Israel	EO-MINERS, NATIOMEM
Avio S.P.a	Italy	ALFA-BIRD, FUTURE
Centro di Ricerca, Sviluppo e Studi Superiori in Sardegna	Italy	STAGE-STE, VOICES
Consiglio per la Ricerca e la Sperimentazione in Agricoltura	Italy	FRUIT BREEDOMICS, MODEXTREME
International Centre for Genetic engineering and Biotechnology	Italy	EVIMALAR, GRACE
Politecnico di Milano	Italy	FFAST, NOVEMOR
The Academy of Sciences for the Developing World	Italy	EUROAFRICA-ICT, EUROAFRICA-ICT.ORG
Università Ca' Foscari Venezia	Italy	GMOS, PREFACE
Università Degli Studi Del Piemonte Orientale Amedeo Avogadro	Italy	MEECE, MM4TB
Università Degli Studi Dell'aquila	Italy	NATIOMEM, PLASMON
Università Degli Studi di Modena e Reggio Emilia	Italy	QBOL, TESTA
Latvijas Universitāte	Latvia	EUROSIS, GMOS
Rīgas Tehniskā Universitāte	Latvia	SEREN, SEREN 2
Starptautiskā Lietiskās Optikas Biedrība	Latvia	EURORIS-NET, NET4SOCIETY
Ventspils Augstskola	Latvia	RADIONET3, RADIONET-FP7
Lietuvos Energetikos Institutas	Lithuania	CARBOWASTE, NC2I-R
Technologies sans Frontières ASBL	Luxembourg	AIDA, IRMA
Malta Council for Science and Technology	Malta	EURORIS-NET+, SEREN
Academisch Ziekenhuis Groningen	Netherlands	GEN2PHEN, TANDEM
Noort Harmannus Conradus Pieter	Netherlands	EOPOWER, GEONETCAB
Rijksuniversiteit Groningen	Netherlands	PREPSKA, T-REC
Senternovem	Netherlands	BIO CIRCLE, SEREN
Stichting Deltares	Netherlands	DEWFORA, GLOWASIS
Stichting International Lofar Telescope	Netherlands	RADIONET3, RADIONET-FP7
Stichting Katholieke Universiteit	Netherlands	EVIMALAR, TANDEM
Stichting Koninklijk Nederlands Instituut voor Zeeonderzoek (Nioz)	Netherlands	CARBOCHANGE, GATEWAYS
Stichting Sron Netherlands Institute for Space Research	Netherlands	RADIONET3, RADIONET-FP7

Stichting Wetlands International	Netherlands	AFROMAISON, DEWFORA
Universiteit Maastricht	Netherlands	FLOSSINCLUDE, PREPARE
Havforskningsinstituttet	Norway	MEECE, PREFACE
Nofima As	Norway	BRIGHTANIMAL, MAREFRAME
Norsk Institutt for By- Og Regionforskning	Norway	CHANCE2SUSTAIN, CLUVA
Stiftelsen Nansen Senter for Fjernmaaling	Norway	CARBOCHANGE, GREENSEAS
Stiftelsen Sintef	Norway	EQUITABLE, OCTAVIUS
Teknologisk Institutt As	Norway	DEAMMRECIRC, OPTITEMPTANK
Universitetet I Oslo	Norway	MUTHI, PREPARE
Akademia Gorniczo-Hutnicza im. Stanislaw Staszica w Krakowie	Poland	EUROPAIRS, NC2I-R
Centrum Badan Kosmicznych Polskiej Akademii Nauk	Poland	EOPOWER, GEONETCAB
Prochem SA	Poland	EUROPAIRS, NC2I-R
Uniwersytet Jagiellonski	Poland	CTA-PP, RN4CAST
Uniwersytet Mikolaja Kopernika w Toruniu	Poland	RADIONET3, RADIONET-FP7
Fundacao Da Faculdade de Ciencias Da Universidade de Lisboa	Portugal	FUME, MASSIF
Instituto Superior de Agronomia	Portugal	FUME, MODEXTREME
Autoritatea Nationala Pentru Cercetare Stiintifica	Romania	EUROSIS, NET4SOCIETY
National Research and Development Institute for Cryogenics and Isotopic Technologies Icsi Rm Valcea	Romania	EURORIS-NET, EURORIS-NET+
Romanian Space Agency	Romania	SEREN, SEREN 2
Ministrstvo za Izobrazevanje, Znanost, Kulturo in Sport	Slovenia	EUROSIS, NET4SOCIETY
Univerza v Ljubljani	Slovenia	ARBO-ZOONET, CCH FEVER
Vuje As	Slovak Republic	NC2I-R, NUCL-EU
Asociacion Centro de Investigacion Cooperativa en Biomateriales	Spain	CHAARM, NANOSOLUTIONS
Bioazul	Spain	CLARA, IWWA
Fundacion Azti/Azti Fundazioa	Spain	MEECE, TXOTX
Fundacion Centro de estudios Ambientales del Mediterraneo	Spain	FUME, PRACTICE
Fundacion para Las Relaciones Inter Nacionales y el Dialogo Exterior Fride	Spain	ATLANTIC FUTURE, GREEN
Fundacion Tecnalia Research & Innovation	Spain	PROGRESS, STAGE-STE
Instituto de Salud Carlos Iii	Spain	CHAARM, RN4CAST
Instituto Espanol de Oceanografia	Spain	MAREFRAME, MEECE
Instituto Nacional de Investigacion y Tecnologia Agraria y Alimentaria	Spain	ARBO-ZOONET, QBOL



Mediterranean Agronomic Institute of Zaragoza / International Centre for Advanced Mediterranean Agronomic Studies	Spain	DEWFORA, FUME
Ministerio de Ciencia e Innovación	Spain	ERAFRICA, EURORIS-NET+
Ministerio de Economía y Competitividad	Spain	CAAST-NET, EURORIS-NET
Universidad Autónoma de Madrid	Spain	EMERALD, NOPOOR
Universidad de Cantabria	Spain	FUME, IS-ENES2
Universidad de Castilla - La Mancha	Spain	FUME, TB-STEP
Universidad de Córdoba	Spain	MODEXTREME, PARAVAC
Universidad de la Iglesia De Deusto	Spain	FRAME, SI-DRIVE
Universidad de Navarra	Spain	ICONZ, SDH-NET
Universidad Del País Vasco EHU UPV	Spain	FESSUD, MM4TB
Universidade de Santiago de Compostela	Spain	GLOWASIS, PHARMASEA
Universitat Autònoma de Barcelona	Spain	EJOLT, GATEWAYS
Universitat Politècnica de Catalunya	Spain	EU-UNAWA, IMPRINTS
IVL Svenska Miljöinstitutet AB	Sweden	BIOWASTE4SP, GMOS
Linköpings Universitet	Sweden	IS-ENES2, LIVEDIVERSE
Sveriges Meteorologiska Och Hydrologiska Institut	Sweden	HEALTHY FUTURES, IS-ENES2
Totalförsvarets Forskningsinstitut T Swedish Defence Research Agency	Sweden	SEREN, SEREN 2
Uppsala Universitet	Sweden	MM4TB, SUP@VAMDC
eidgenössische Materialprüfungs- und Forschungsanstalt	Switzerland	IWWA, NANOSOLUTIONS
Sciprom Sarl	Switzerland	MM4TB, VEG-I-TRADE
Swiss Institute of Bioinformatics	Switzerland	GEN2PHEN, IMPACT
Universität Bern	Switzerland	CARBOCHANGE, EVIMALAR
Universität Zürich	Switzerland	CTA-PP, PARAVAC
World Health Organization	Switzerland	CRIMALDDI, EMERALD
Aberystwyth University	United Kingdom	ANIMALCHANGE, ATLANTIC FUTURE
Airbus Operations Limited	United Kingdom	ALFA-BIRD, FFAST
Brunel University	United Kingdom	BELIEF-II, SI-DRIVE
Forum for Agricultural Research in Africa	United Kingdom	BIO CIRCLE, BIO CIRCLE 2
Genome Research Limited	United Kingdom	EVIMALAR, IMPACT
Institute of Development Studies	United Kingdom	ARCADE HSSR, ARCADE RSDH
John Innes Centre	United Kingdom	MM4TB, PLAPROVA

Queen Mary and Westfield College, University of London	United Kingdom	AMASA, MM4TB
Queen's University Belfast	United Kingdom	ASFRISK, CHAARM
Rolls Royce Plc	United Kingdom	ALFA-BIRD, FUTURE
Selonda UK Limited	United Kingdom	DEAMMRECIRC, OPTITEMPTANK
The Scottish Agricultural College	United Kingdom	ANIMALCHANGE, TB-STEP
The University of Birmingham	United Kingdom	PATHCO, S-PULSE
The University of Nottingham	United Kingdom	FASMED, FRAME
The University of Sheffield	United Kingdom	ALFA-BIRD, SUNRAY
The University of Warwick	United Kingdom	EU-GRASP, GREEN
University of East Anglia	United Kingdom	CARBOCHANGE, MODEXTREME
University of Newcastle Upon Tyne	United Kingdom	FASMED, WHATER
University of Sussex	United Kingdom	ENGINEUS, PREPARE
Ait Austrian Institute of Technology GMBH	Austria	SI-DRIVE
Araconsult GMBH	Austria	DEAMMRECIRC
Baur Pruf- und Messtechnik GMBH	Austria	RPC-HVTS-DCS
Bio-Ferm, Biotechnologische entwicklung und Produktion Gmbh	Austria	MYCORED
Ecosan Club KG	Austria	CLARA
Europaisches Trainings und Forschungszentrum fur Menschenrechte und Demokratie	Austria	FRAME
Interdisziplinäres Forschungszentrum fur Technik, Arbeit und Kultur	Austria	GRACE
Internationale Gesellschaft fur Getreidewissenschaft und -Technologie	Austria	PLANTLIBRA
Internationales Institut fuer Angewandte Systemanalyse	Austria	ANIMALCHANGE
Ludwig Boltzmann Gesellschaft Österreichische Vereinigung zur Forderung der Wissenschaftlichen Forschung	Austria	FRAME
Medizinische Universitaet Wien	Austria	HURAPRIM
Oead (Österreichische Austauschdienst)-Gesellschaft mit Beschränkter Haftung - Austrian Agency for International Cooperation in education and Research	Austria	ERAFRICA
Oikodrom-Forum Nachhaltige Stadt, Verein Fur Neue Stadtebaukultur	Austria	NOPOOR
Polymun Scientific Immunbiologische Forshungs GMBH	Austria	CHAARM
Romer Labs diagnostic Gmbh	Austria	MYCORED
Romer Labs division Holding Gmbh	Austria	MYCORED
Technische Universitaet Graz	Austria	ALFA-BIRD

Technische Universitaet Wien	Austria	GLOWASIS
Umweltbundesamt GMBH	Austria	EBONE
Universitaet Innsbruck	Austria	CTA-PP
Universitaet Klagenfurt	Austria	EJOLT
Universitaet Wien	Austria	EBONE
Veterinaermedizinische Universitaet Wien	Austria	PLANTLIBRA
Advanced Biological Technologies Belgium	Belgium	VEG-I-TRADE
Agentschap voor Innovatie door Wetenschap en Technologie	Belgium	OSIRIS
Allgro N.V.	Belgium	VEG-I-TRADE
Antea Belgium N.V.	Belgium	AFROMAISON
Belgisch Laboratorium van de Elektriciteitsindustrie	Belgium	OCTAVIUS
Better3fruit NV	Belgium	FRUIT BREEDOMICS
Centre d'etude de l'Energie Nucleaire	Belgium	CARBOWASTE
Centre Wallon de Recherches Agronomiques	Belgium	FRUIT BREEDOMICS
Centrum Voor Onderzoek in diergeneeskunde en Agrochemie – CODA CeRVA	Belgium	ARBO-ZOONET
Charles Darwin Foundation for the Galapagos Islands	Belgium	INCOFISH
Comite Europeen de Normalisation	Belgium	GRIFS
Conseil Interuniversitaire de la Communaute Francaise	Belgium	ERAFRICA
Coris Bioconcept SPRL	Belgium	CCH FEVER
Eabis - the Academy of Business in Society	Belgium	I4S
Ecoast Research Centre Ostend Bvba	Belgium	PHARMASEA
European Advisory Services	Belgium	PLANTLIBRA
European Botanical Forum Aisbl	Belgium	PLANTLIBRA
European Food Information Ressource Aisbl	Belgium	PLANTLIBRA
European Responsible Nutrition Alliance	Belgium	PLANTLIBRA
European Solar Thermal Electricity Association	Belgium	STAGE-STE
Eurosense Belfotop N.V.	Belgium	MALAREO
Federation Europeenne d'associations Nationales Travaillant Avec Les Sans-Abris Aisbl	Belgium	SI-DRIVE
Federation Europeenne Des Fabricants d'Additifs pour la Nutrition Animale	Belgium	MYCORED
Forum des Laboratoires Nationaux Europeens de Recherche Routiere	Belgium	SIMBA II
GS1 Aisbl	Belgium	GRIFS

Hogeschool West-Vlaanderen Howest	Belgium	VEG-I-TRADE
Inagro, Provinciaal extern Verzelfstandigd Agentschap in Privaatrechtelijke Vorm Vzw	Belgium	VEG-I-TRADE
Institut Royal Des Sciences Naturelles de Belgique	Belgium	AEGOS
Instituut voor Natuur en Bosonderzoek	Belgium	EBONE
Interdisciplinary Institute for Broadband Technology	Belgium	OSIRIS
Interuniversitair Micro-Electronica Centrum Vzw	Belgium	OSIRIS
Isc Intelligence in Science Sprl	Belgium	PAERIP
Janssen Infectious Diseases Diagnostics Bvba Janssen Infectious Diseases Bvba Janssen Diagnostics Bvba	Belgium	CHAARM
Keyobs S.A.	Belgium	GARNET-E
Minerva Consulting & Communication	Belgium	CHAARM
Musee Royal de l'Afrique Centrale	Belgium	BRAGMA
Nanocyl SA	Belgium	NANOSOLUTIONS
Northern Alliance for Sustainability IVZW	Belgium	EJOLT
Numerical Mechanics Applications International SA	Belgium	FFAST
Perseus Bvba	Belgium	GRACE
Phenosystems SA	Belgium	GEN2PHEN
Pour la Solidarite Asbl	Belgium	FESSUD
Proefcentrum Voor Innovatie, Verbreding en Advies in Landbouw en Veehouderij	Belgium	VEG-I-TRADE
Service d'information Scientifique et Technique / Dienst voor Wetenschappelijke en Technische Informatie	Belgium	SEREN
Spacebel sa	Belgium	IRMA
SpaceTec Partners SPRL	Belgium	GARNET-E
Special Fruit Nv	Belgium	VEG-I-TRADE
Sysecos SPRL	Belgium	GARNET-E
Technologica Group - European Technical Joint Venture Cvba	Belgium	ALFA-BIRD
Techspace Aero SA	Belgium	FUTURE
The Transatlantic Foundation	Belgium	ATLANTIC FUTURE
Tibotec-Virco Virology	Belgium	THINC
Tractebel Engineering S.A.	Belgium	EUROPAIRS
Universite de Liege	Belgium	AGRICAB

Van Laethem BVBA	Belgium	VEG-I-TRADE
VIB	Belgium	PARAVAC
Vincotte Nuclear Safety SA	Belgium	EUROPAIRS
Vlaams Gewest	Belgium	QBOL
Vlaamse Instelling Voor Technologisch Onderzoek N.V	Belgium	AIDA
Vlerick Business School	Belgium	I4S
Agrobiointitute	Bulgaria	GRACE
Applied Research and Communications Fund	Bulgaria	SI-DRIVE
Denkstatt Bulgaria Ood	Bulgaria	LUC4C
Environmental Association "za Zemiata" Sdruzhenie	Bulgaria	EJOLT
Institute for the Study of Societies and Knowledge	Bulgaria	EUROSIS
National Center of Infectious and Parasitic Diseases	Bulgaria	CCH FEVER
Sdruzhenie Asociaciya Ikonomikai Demokraciya	Bulgaria	NET4SOCIETY
University of Plovdiv	Bulgaria	PLAPROVA
Laboratorij za Drustvene Inovacije Udruge	Croatia	SI-DRIVE
Ministarstvo Znanosti, Obrazovanja I Sporta	Croatia	EURORIS-NET
Poslovno-Inovacijska Agncija Republike Hrvatske	Croatia	SEREN 2
The Cyprus Institute Limited	Cyprus	STAGE-STE
Akademie Ved Ceske Republiky	Czech Republic	OSIRIS
Centrum Vyzkumu Rez S.R.O.	Czech Republic	NC2I-R
Cesnet, Zajmove Sdruzeni Pravnickyh Osob	Czech Republic	OSIRIS
Geofyzikalni Ustav AV CR, V.V.I.	Czech Republic	AIM
Gryf Hb, Spol. Sro	Czech Republic	OPTITEMPTANK
Sokolovská Uhelná, Právní Nástupce, a.S.	Czech Republic	EO-MINERS
Státní Rostlinolékařská Správa	Czech Republic	QBOL
Technologicke Centrum Akademie Ved Ceske Republiky Verejna Vyzkumna Institute	Czech Republic	SEREN
Ustav Jaderneho Vyzkumu Rez a.S.	Czech Republic	NUCL-EU
Ustav Organicke Chemie a Biochemie - Akademie Ved Ceske Republiky Verejna Vyzkumna Institute	Czech Republic	THINC
Ústav Struktury a Mechaniky Hornin Av Cr, V.V.I.	Czech Republic	AIM
Vyzkumny a Slechtitelsky Ustav Ovocnarsky Holovousy S.R.O.	Czech Republic	FRUIT BREEDOMICS

Accoat a/S	Denmark	COCATE
Bitland Enterprise Aps	Denmark	BRIGHTANIMAL
Bolding & Burchard Aps	Denmark	MEECE
DHI	Denmark	NATIOMEM
Institut for Menneskerettigheder	Denmark	FRAME
International Council for the Exploration of the Sea	Denmark	MAREFRAME
Roskilde Universitetscenter	Denmark	INCOFISH
Skjolstrup & Gronborg Aps	Denmark	NATIOMEM
Styrelsen for Forskning Og Innovation	Denmark	EURORIS-NET
Syntesa Aps	Denmark	MAREFRAME
Teknologisk Institut	Denmark	BIOWASTE4SP
The Geological Survey of Denmark and Greenland	Denmark	TOPS
Videometer a/S	Denmark	TESTA
Vituslab V/Jorgen Bendtsen	Denmark	CARBOCHANGE
Eesti Maauelikool	Estonia	EBONE
Eesti Maaulikoolestonian University of Life Sciences	Estonia	BRIGHTANIMAL
Estonian Marine Institute	Estonia	INCOFISH
Institute of Baltic Studies	Estonia	INGINEUS
Tallinna Tehnikaulikool	Estonia	FESSUD
Abo Akademi	Finland	FRAME
Biocomputing Platforms LTD OY	Finland	GEN2PHEN
Federation of Finnish Learned Societies	Finland	EUROSIS
Finnish Food Safety Authority Evira	Finland	PLANTLIBRA
Fortum Nuclear Services LTD	Finland	EUROPAIRS
Fortum Power and Heat Oy	Finland	NC2I-R
Geologian Tutkimuskeskus	Finland	AEGOS
Ilmatieteen Laitos	Finland	FUME
Kuopion yliopisto - University of eastern Finland	Finland	RN4CAST
Oulun Yliopisto	Finland	PLASMON
Tampereen Yliopisto	Finland	ARCADE RSDH
Tekes-Teknologian Ja Innovaatioiden Kehittaemiskeskus	Finland	SEREN 2



Teknologian Tutkimuskeskus (VTT)	Finland	EUROAFRICA-P8
Teknologian Tutkimuskeskus Vtt	Finland	NANOSOLUTIONS
Terveyden Ja Hyvinvoinnin Laitos	Finland	PLANTLIBRA
Työ- Ja elinkeinoministeriö	Finland	ERAFRICA
Tyoeterveyslaitos	Finland	NANOSOLUTIONS
6 cure SAS	France	MASSIF
AerospaceValley	France	AEROAFRICA-EU
Agence Francaise de Securite Sanitaire des Aliments	France	ORBIVAC
Agence Nationale de Securite sanitaire de l'Alimentation, de l'environnement et du Travail	France	ICONZ
Agence Nationale Pour la Gestion des Dechets Radioactifs	France	CARBOWASTE
Agro Selections Fruits SAS	France	FRUIT BREEDOMICS
Airbus Operations SAS	France	ALFA-BIRD
Airbus SAS	France	ALFA-BIRD
Alstom Power Systems SA	France	EUROPAIRS
Arcelormittal Maizières Research SA	France	EUROPAIRS
Areva Renouvelables SAS	France	STAGE-STE
Association pour la Recherche et le Developpement Des Methodes et Processus Industriels	France	DIGITALWORLD
Association Pour la Recherche et le Developpement des Methodes et Processus Industriels - Armines	France	CARBOWASTE
Astrium S.A.S.	France	DEORBIT SAIL
Centre International pour la Formation et les echanges en Geosciences	France	AEGOS
Centre National d'etudes Spatiales - CNES	France	GEONETCAB
Centre National du Machinisme Agricole du Genie Rural des eaux et des Forets	France	FUME
Centre National du Machinisme Agricole, du Genie Rural, des Eaux et des Forets	France	EBONE
Climmod Engineering Sarl	France	CARBOCHANGE
Commission de Recherche et d'Information Independantes sur la Radioactivite	France	EJOLT
Dassault Aviation Sa	France	ALFA-BIRD
Ecole Centrale de Lyon	France	FUTURE
Ecole d'economie de Paris	France	PODER
Ecole Normale Superieure	France	CARBOWASTE

Ecole Normale Supérieure de Lyon	France	FASMED
European and Mediterranean Plant Protection Organisation	France	TESTA
Euroquality sarl	France	MASCOT
Fondation Merieux	France	VOICES
Furnaces Nuclear Applications Grenoble	France	CARBOWASTE
Geogreen	France	COCATE
Geosat Technology saRL	France	AÏDA
Groupe d'etude et de Controle des Varietes et des Semences	France	TESTA
Groupement d'Interet Public Réseau National de Telecommunications pour la Technologie, l'enseignement et la Recherche	France	IRMA
ID VET SARL	France	ORBIVAC
Impacts Europe	France	STADIUM
Inserm - Transfert SA	France	CCH FEVER
Institut Européen des Normes de Telecommunication	France	GRIFS
Institut Français de Recherche Pour l'Exploitation de la Mer	France	CARBOCHANGE
Institut Français de Recherche pour l'exploitation de la Mer	France	GMOS
Institut National des Sciences Appliquées de ToulouseInsat	France	ALFA-BIRD
Institut Telecom	France	MASSIF
l'Air Liquide S.a a Directoire et Conseil de Surveillance	France	EUROPAIRS
Lagrange-Lgi Consulting	France	EUROPAIRS
Le Havre Développement	France	COCATE
LesaffreInternational Sarl	France	ALFA-BIRD
LGI Consulting	France	NC2I-R
Lisode SARL	France	EAU4FOOD
Merial SAS	France	ORBIVAC
Ministère de l'Agriculture et de la Pêche	France	QBOL
Ministère de l'Ecologie, du Développement Durable des Transports et du Logement	France	IMPRINTS
Ministère de l'Ecologie, du Développement Durable et de l'Energie	France	IMPRINTS
Ministère de l'Enseignement Supérieur et de la Recherche	France	EUROSIS
Nevantropic	France	EO2HEAVEN
Novadi Sarl	France	FRUIT BREEDOMICS

Prosernat SA	France	OCTAVIUS
Racines sa	France	AFTER
Saipem SA	France	EUROPAIRS
Sanofi-Aventis Recherche & Developpement	France	MM4TB
Sigma Orionis	France	PAERIP
Spot Image S.A.	France	EO2HEAVEN
Thales SA	France	S-PULSE
Turbomeca SA	France	FUTURE
Ucar Snc - Groupe Graftech International LTD	France	CARBOWASTE
Universite Claude Bernard Lyon 1	France	ICONZ
Universite de Savoie	France	S-PULSE
Universite de Versailles saint-Quentin-en-Yvelines	France	EJOLT
Universite de Versailles Saint-Quentin-en-Yvelines.	France	EO-MINERS
Universite Joseph Fourier Grenoble 1	France	GMOS
Universite Lyon 1 Claude Bernard	France	PARAVAC
Universite Montpellier I.	France	HARP
Universite Paris-Sud Xi	France	OSIRIS
52°North Initiative for Geospatial Open Source Software Gmbh	Germany	EO2HEAVEN
Alere Technologies GMBH	Germany	MM4TB
Alfred-Wegener-Institut fuer Polar- und Meeresforschung	Germany	CARBOCHANGE
Aqua Consult Ingenieur GMBH	Germany	DEAMMRECIRC
BASF SE	Germany	AGROCOS
Beak Consultants Gmbh	Germany	AEGOS
Bernhard-Nocht-Institut fuer Tropenmedizin	Germany	EVIMALAR
Biobase GMBH	Germany	GEN2PHEN
Biobyte Solutions GMBH	Germany	NANOSOLUTIONS
Biocom	Germany	PHARMASEA
Biotesys GMBH	Germany	NANOSOLUTIONS
Boehringer Ingelheim Vetmedica	Germany	ORBIVAC
Bruker Biospin GMBH	Germany	AGROCOS
Bundesamt fur Verbraucherschutz und Lebensmittelsicherheit	Germany	GRACE

Bundesanstalt für Geowissenschaften und Rohstoffe	Germany	AEGOS
Bundesministerium für Bildung und Forschung	Germany	ERAFRICA
C-Lecta GMBH	Germany	PHARMASEA
Climate Risk Analysis - Manfred Mudelsee	Germany	GATEWAYS
Cut GmbH & Co. KG	Germany	CAPWA
Cut Membrane Technology GmbH	Germany	CAPWA
Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH	Germany	SDH-NET
Deutsches Institut für Entwicklungspolitik GgmbH	Germany	INGINEUS
Deutsches Klimarechenzentrum GMBH	Germany	IS-ENES2
Eads Deutschland GMBH	Germany	FFAST
Ecologic Institut Gemeinnützige GMBH	Germany	ATLANTIC FUTURE
ENBW Kraftwerke AG	Germany	OCTAVIUS
Eurescom-European Institute for Research and Strategic Studies in Telecommunications GMBH	Germany	TRESCIMO
Europäische Akademie zur Erforschung Von Folgen Wissenschaftlich-Technischer Entwicklungen	Germany	PROGRESS
Europäisches Laboratorium für Molekularbiologie - Embl	Germany	GEN2PHEN
European Association of Developmentresearch and Training Institutes - Eadi Europäischer Verband der Entwicklungs- Forschungs- und Ausbildungs	Germany	CHANCE2SUSTAIN
European Virtual Institute for Integrated Risk Management	Germany	ALFA-BIRD
Formoplast Kunststoffbehälterbau und -Vertrieb GMBH	Germany	DEAMMRECIRC
Forschungszentrum Borstel	Germany	ARBO-ZOONET
Freie Universität Berlin	Germany	GRACE
Gabo:Mi Gesellschaft für Ablauforganisation:Milliarium MBH & CO KG GAB O	Germany	EMERALD
Genius GMBH - Biotechnologie Beratung und Kommunikation	Germany	GRACE
Gesellschaft für Anlagen- und Reaktorsicherheit (Grs) MbH	Germany	EUROPAIRS
Gottfried Wilhelm Leibniz Universität Hannover	Germany	DEAMMRECIRC
Graphicsmedia.Net GMBH	Germany	MOSAIC 2B
Habemus! Electronic + Transfer GMBH	Germany	RPC-HVTS-DCS
Helmholtz-Zentrum für Umweltforschung GMBH - Ufz	Germany	EBONE
Helmholtz-Zentrum für Umweltforschung GmbH – UFZ	Germany	CLUVA
Helmholtz-Zentrum Geesthacht Zentrum Für Material- und Küstenforschung	Germany	GMOS

Gmbh		
Hochschule fur Wirtschaft und Recht Berlin	Germany	FESSUD
IFEU - Institut fuer Energie- und Umweltforschung Heidelberg GMBH	Germany	SWEETFUEL
Imms Institut fuer Mikroelektronik- und Mechatronik-Systeme Ggmbh	Germany	S-PULSE
Institut fuer Ostseeforschung Warnemuende An der Universitaet Rostock	Germany	PREFACE
Institut fuer Photonische Technologien E.V.	Germany	S-PULSE
Institut fur Weltwirtschaft	Germany	NOPOOR
Ixtronics GMBH	Germany	RPC-HVTS-DCS
Johann Heinrich Von Thuenen-Institut, Bundesforschungsinstitut fuer Laendliche Raeume, Wald und Fischerei	Germany	PREFACE
KWS SAAT AG	Germany	SWEETFUEL
Leibniz Institut Für Meereswissenschaften An der Universität Kiel (Previously Institut fuer Meereskunde)	Germany	INCOFISH
Leibniz-Institut fuer Meereswissenschaften An der Universitaet Kiel	Germany	GATEWAYS
Leuphana Universitat Luneburg	Germany	I4S
Max Rubner Institut Bundesforschungsinstitut Fur ernahrung und Lebensmittel	Germany	MYCORED
Medico International EV	Germany	GO4HEALTH
Membrana Gmbh	Germany	CAPWA
Mtu Aero Engines AG	Germany	FUTURE
Oeko-Institut E.V. - Institut fuer Angewandte Oekologie	Germany	IWWA
Pädagogische Hochschule Freiburg	Germany	FASMED
Papiertechnische Stiftung	Germany	CAPWA
Physikalisch-Technische Bundesanstalt	Germany	S-PULSE
Phytolab GMBH & Co Kg	Germany	PLANTLIBRA
Plasmachem Produktions- und Handel GMBH	Germany	NANOSOLUTIONS
Remote Sensing Solutions Gmbh	Germany	MALAREO
Robert Koch-Institut	Germany	ARBO-ZOONET
Ruhr-Universitaet Bochum	Germany	MECODEM
Schott Solar Csp GMBH	Germany	STAGE-STE
Sgl Carbon GMBH	Germany	CARBOWASTE
Stiftung Deutsches elektronen-Synchrotron Desy	Germany	CTA-PP
Stiftung Tieraerztliche Hochschule Hannover	Germany	PARAVAC

Sustainable Europe Research Institute Seri Deutschland E.V.	Germany	EJOLT
Technische Universitaet Darmstadt	Germany	FUTURE
Technische Universitaet Dortmund	Germany	SI-DRIVE
Technische Universitaet Hamburg-Harburg	Germany	OCTAVIUS
Technische Universitaet Ilmenau	Germany	S-PULSE
Tuv Nord Ensys Hannover GMBH & Co. Kg	Germany	EUROPAIRS
Tuv Rheinland Industrie Service GMBH	Germany	NC2I-R
Universitaet des Saarlandes	Germany	EUCO-NET
Universitaet Leipzig	Germany	NANOSOLUTIONS
Universitaet Paderborn	Germany	RPC-HVTS-DCS
Universitaet Trier	Germany	PRACTICE
Universitaetsklinikum Bonn	Germany	ARBO-ZOONET
Universitaetsklinikum Freiburg	Germany	PATHCO
Universitaetsmedizin Goettingen - Georg-August-Universitaet Goettingen - Stiftung Oeffentlichen Rechts	Germany	CCH FEVER
Universitat Hamburg	Germany	MEECE
Westfalische Hochschule Gelsenkirchen, Bocholt, Recklinhausen	Germany	SI-DRIVE
Wuppertal Institut fur Klima, Umwelt, Energie GMBH.	Germany	EO-MINERS
Alouminion AE	Greece	ENEXAL
Athena Research and Innovation Center in Information Communication & Knowledge Technologies	Greece	DEORBIT SAIL
Centre for Research and Technology Hellas	Greece	INCONTACT 2020
Democritus University of Thrace	Greece	MODEXTREME
enieos Foreas eleghou Trofinon	Greece	BIO CIRCLE 2
Euroscience Greek Regional Section	Greece	EUROSIS
Hellenic Centre for Marine Research	Greece	MEECE
Knowledge & Innovation Consultants Symvouleftiki Monoprosopi Epe	Greece	ESASTAP PLUS
Korres S.A. Natural Products (Korres Anonimi Eteria Fysika Proionta)	Greece	AGROCOS
National Center for Scientific Research "Demokritos"	Greece	AGROCOS
National Technical University of Athens	Greece	ENEXAL
University of Ioannina	Greece	FUME
Budapesti Muszaki Es Gazdasagtudomanyi Egyetem	Hungary	NC2I-R



Cereal Research Non-Profit Company	Hungary	MYCORED
Kozep-Europai Egyetem	Hungary	GREEN
Magyar Foldtani Es Geofizikai Intezet	Hungary	PLASMON
Mezogazdasagi Szakigazgatasi Hivatal Kozpont	Hungary	TB-STEP
Muszaki Fizikai Es Anyagtudomanyi Kutatointezet - Magyar Tudomanyos Akademia	Hungary	OSIRIS
Nemzeti Kutatasi Es Technologiai Hivatal	Hungary	SEREN
Pannon Egyetem	Hungary	FESSUD
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Centro di Documentazione Sui Conflitti Ambientali Onlus	Italy	EJOLT
Centro di Sperimentazione Agraria e Forestale Laimburg Azienda	Italy	FRUIT BREEDOMICS
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Universita di Pisa	Italy	NOVSEC-TB
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Stichting Katholieke Universiteit Brabant Universiteit van Tilburg	Netherlands	IRMA
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Stichting Nationale Computerfaciliteiten	Netherlands	OSIRIS
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Stichting World Rainforest Movement	Netherlands	EJOLT
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UNESCO-Ihe Institute for Water education	Netherlands	DEWFORA
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Universiteit Nyenrode BV	Netherlands	I4S
Vrije Universiteit Medisch Centrum	Netherlands	NOVSEC-TB
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Norsar Innovation As	Norway	AIM
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Boliden Mineral AB	Sweden	AUTOPROFIT
Foreningen Iked	Sweden	SI-DRIVE
Gkn Aerospace Sweden AB	Sweden	FUTURE
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Nanologica AB	Sweden	NANOSOLUTIONS
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Insight Publishers Limited	United Kingdom	NANOSOLUTIONS

Institute of Food Research	United Kingdom	PLANTLIBRA
Institute of Nanotechnology	United Kingdom	NANOCODE
Institute of Occupational Medicine	United Kingdom	NANOSOLUTIONS
International Governance Solutions LTD.	United Kingdom	INCOFISH
Jaguar Land Rover Limited	United Kingdom	PRIMO
Jeremy Bruton Sweet	United Kingdom	GRACE
Keller Limited	United Kingdom	GEO-INSTALL
Lab901 Limited	United Kingdom	ICONZ
Lancaster University	United Kingdom	IMPRINTS
London School of Economics and Political Science	United Kingdom	PODER
Mapix Technologies LTD	United Kingdom	MAREFRAME
Medical Research Council	United Kingdom	EVIMALAR
Middlesex University Higher Education Corporation	United Kingdom	CHAARM
Mineral Industry Research Organisation	United Kingdom	EO-MINERS
Moredun Research Institute	United Kingdom	PARAVAC
National Institute of Agricultural Botany	United Kingdom	TESTA
Nexia Solutions Limited	United Kingdom	CARBOWASTE
Nrc (Europe) LTD	United Kingdom	MAREFRAME
Nsrac LBG	United Kingdom	MAREFRAME
Nuclear Decommissioning Authority - Nda	United Kingdom	CARBOWASTE
Open Geospatial Consortium (Europe) Limited	United Kingdom	EO2HEAVEN
Overseas Development Institute	United Kingdom	EAU4FOOD
Pca Engineers Limited	United Kingdom	FUTURE
Pfizer Limited	United Kingdom	PARAVAC
PracticalAction	United Kingdom	AFRICAN CLIMATE
Resinex SA	United Kingdom	OPTITEMPTANK
Rolls-Royce Power Engineering Plc	United Kingdom	EUROPAIRS
School of Oriental and African Studies	United Kingdom	FESSUD
Scottish Crop Research Institute	United Kingdom	PLAPROVA
Scottish Government	United Kingdom	TESTA
Seamwell International Limited	United Kingdom	TOPS

Shell Aviation Limited	United Kingdom	ALFA-BIRD
Shuttle Thread Limited	United Kingdom	MAREFRAME
Sir Alister Hardy Foundation for Ocean Science	United Kingdom	MEECE
Spi Play (Europe) Limited	United Kingdom	OPTITEMPTANK
Surrey Satellite Technology Limited	United Kingdom	DEORBIT SAIL
Swansea University	United Kingdom	DEAMMRECIRC
The Institute for Animal Health	United Kingdom	ORBIVAC
The Open University	United Kingdom	SUP@VAMDC
The Queen's University of Belfast	United Kingdom	TB-STEP
The Royal Society of Chemistry	United Kingdom	PHARMASEA
The Royal Veterinary College	United Kingdom	ASFRISK
The UK Materials Technology Research Institute Limited	United Kingdom	OPTITEMPTANK
The University Court of the University of St Andrews	United Kingdom	ARBO-ZOONET
The University of Hull	United Kingdom	INCOFISH
The University of Newcastle Upon Tyne	United Kingdom	INCOFISH
The University of Stirling	United Kingdom	CCH FEVER
The Young Foundation	United Kingdom	SI-DRIVE
Tobermory Fish Company Limited	United Kingdom	OPTITEMPTANK
Transport for London*Tfl	United Kingdom	STADIUM
Triveritas Limited	United Kingdom	PARAVAC
University of Bath	United Kingdom	ATLANTIC FUTURE
University of Central Lancashire	United Kingdom	PROGRESS
University of Dundee	United Kingdom	LIVEDIVERSE
University of Durham	United Kingdom	HEALTHY FUTURES
University of Greenwich	United Kingdom	AFTER
University of Leicester	United Kingdom	GEN2PHEN
University of Plymouth	United Kingdom	NANOSOLUTIONS
University of Strathclyde	United Kingdom	GEO-INSTALL

## Swaziland

Organisation	Country	Projects
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IIMC International Information Management Corporation Limited	Ireland	IST-AFRICA 2012-13, IST-AFRICA 2014-15
Eurosense Belfotop N.V.	Belgium	MALAREO
Remote Sensing Solutions GmbH	Germany	MALAREO
Schweizerisches Tropen- und Public Health-Institut	Switzerland	MALAREO

## Tanzania

Organisation	Country	Projects
London School of Hygiene and Tropical Medicine	United Kingdom	AVECNET, CHEPSAA, EQUIP, IDEA, MALACTRES, REDMAL, SDH-NET, UNITAS
Karolinska Institutet	Sweden	ARCADE HSSR, CHEPSAA, E4AFRICA, EQUIP, ETATMBA, ICONZ, QUALMAT
Schweizerisches Tropen- und Public Health-Institut	Switzerland	APARET, AVECNET, CHEPSAA, ICONZ, IDEA, PERFORM
Prins Leopold Instituut Voor Tropische Geneeskunde	Belgium	ICONZ, MALACTRES, SUNRAY, UNITAS
IIMC International Information Management Corporation Limited	Ireland	IST-AFRICA 2008, IST-AFRICA 2010 - 11, IST-AFRICA 2012-13, IST-AFRICA 2014-15
Stockholms Universitet	Sweden	PRD COLLEGE, STOPPAM, TXOTX, WHATER
Imperial College of Science, Technology and Medicine	United Kingdom	GLOBAL-BIO-PACT, HUNT, TXOTX
Københavns Universitet	Denmark	CLUVA, ICONZ, RURBANAFRICA
Liverpool School of Tropical Medicine	United Kingdom	AVECNET, INTHEC, PERFORM
Institut de Recherche pour le Developpement	France	AEGOS, STOPPAM
The European Organisation for the exploitation of Meteorological satellites	Germany	AIDA, EAMNET
Academisch Medisch Centrum Bij de Universiteit van Amsterdam	Netherlands	IDEA, PRD COLLEGE
Universiteit Utrecht	Netherlands	GLOBAL-BIO-PACT, RURBANAFRICA
Universidad de Navarra	Spain	ICONZ, SDH-NET
Council on Health Research for Development Association	Switzerland	MASCOT, SDH-NET
Ecole Polytechnique Federale de Lausanne	Switzerland	GLOBAL-BIO-PACT, IDEA
Natural Environment Research Council	United Kingdom	AEGOS, EAMNET
The University of Nottingham	United Kingdom	ASSET-ROAD, GLOBAL VALUE
University of Leeds	United Kingdom	CHEPSAA, PERFORM
Ludwig Boltzmann Gesellschaft Österreichische Vereinigung zur Förderung der Wissenschaftlichen Forschung	Austria	GLOBAL VALUE

Roc Bernard Gmbh	Austria	ASSET-ROAD
Vienna School of Clinical Research	Austria	APARET
Wirtschaftsuniversitat Wien	Austria	GLOBAL VALUE
Avia-GIS Bvba	Belgium	ICONZ
Commission of the European Communities - directorate General Joint Research Centre - JRC	Belgium	AEGOS
CTF 2000 NV	Belgium	MCD
Institut Royal Des Sciences Naturelles de Belgique	Belgium	AEGOS
Universite Catholique de Louvain	Belgium	INTHEC
Universiteit Gent	Belgium	QUALMAT
Vlaamse Instelling Voor Technologisch Onderzoek N.V	Belgium	AIDA
University of Zagreb-Faculty of Veterinary Medicine	Croatia	HUNT
Ceska Geologicka Sluzba	Czech Republic	AEGOS
Cometas A/S	Denmark	ONLY WATER
Copenhagen Business School	Denmark	GLOBAL VALUE
Danmarks Meteorologiske Institut	Denmark	EAMNET
DHI Forening	Denmark	ONLY WATER
EMF envirotec A/S	Denmark	ONLY WATER
Kobenhavns Universitet	Denmark	STOPPAM
Statens Serum Institut	Denmark	REDMAL
Aalto-Korkeakoulusaatio	Finland	GLOBAL VALUE
emtele Oy	Finland	ASSET-ROAD
Geologian Tutkimuskeskus	Finland	AEGOS
Valtion Teknillinen Tutkimuskeskus (VTT)	Finland	ASSET-ROAD
Agence Nationale de Recherches Sur le Sida et les Hépatites Virales	France	IDEA
Agence Nationale de Securite sanitaire de l'Alimentation, de l'environnement et du Travail	France	ICONZ
Alma Consulting Group saS	France	STOPPAM
Bureau de Recherches Geologiques et Minieres	France	AEGOS
Centre International pour la Formation et les echanges en Geosciences	France	AEGOS
Centre National de la Recherche Scientifique	France	AVECNET
Euroquality sarl	France	MASCOT

Geosat Technology saRL	France	AÏDA
Groupe de Recherche et d'echanges Technologiques	France	INSARD
Institut National de la sante et de la Recherche Medicale (INSERM)	France	IDEA
Meteo-France	France	EAMNET
Sigma Orionis SA	France	EI4AFRICA
Universite Claude Bernard Lyon 1	France	ICONZ
Universite de Technologie de Belfort Montbeliard	France	ASSET-ROAD
Universite de Toulouse II - le Mirail	France	RURBANAFRICA
Bayrisches Innenministerium - Polizeiprasidium Oberbayern	Germany	ASSET-ROAD
Beak Consultants Gmbh	Germany	AEGOS
Bernhard-Nocht-Institut fuer Tropenmedizin	Germany	APARET
Biogents AG	Germany	MCD
Bundesanstalt fur Geowissenschaften und Rohstoffe	Germany	AEGOS
Deutsche Gesellschaft fur Internationale Zusammenarbeit (Giz) Gmbh	Germany	SDH-NET
Eberhard Karls Universitaet Tuebingen	Germany	IDEA
European Vaccine Initiative – Eeig	Germany	IDEA
Evaplan Gmbh am Universitätsklinikum Heidelberg	Germany	EQUIP
Friedrich loeffler Institut - Bundesforschungsinstitut fuer Tiergesundheit	Germany	ICONZ
Go Africa Katharina Kuss	Germany	PRD COLLEGE
Gottfried Wilhelm Leibniz Universitaet Hannover	Germany	ASSET-ROAD
Helmholtz-Zentrum fuer Umweltforschung Gmbh – UFZ	Germany	CLUVA
IFEU - Institut fuer Energie- und Umweltforschung Heidelberg Gmbh	Germany	GLOBAL-BIO-PACT
Ludwig-Maximilians-Universitaet Muenchen	Germany	IDEA
Manfred Huegel	Germany	ASSET-ROAD
Max Planck Gesellschaft zur Foerderung Der Wissenschaften e.V.	Germany	PRD COLLEGE
Oeko-Institut E.V. - Institut fuer Angewandte Oekologie	Germany	GLOBAL VALUE
Ptv Planung Transport Verkehr Ag.	Germany	ASSET-ROAD
Technische Universitaet Muenchen	Germany	CLUVA
Universitaet des Saarlandes	Germany	GLOBAL VALUE
Universitaet Stuttgart	Germany	ASSET-ROAD
Universitaetsklinikum Heidelberg	Germany	QUALMAT



Wip Gmbh & Co Kg - Wirtschaft und Infrastruktur Gmbh & Co Planungs KG	Germany	GLOBAL-BIO-PACT
Zoologische Gesellschaft Frankfurt	Germany	HUNT
Panepistimio Kritis (University of Crete)	Greece	AVECNET
Clarity Consulting Information and Management Services Ltd	Hungary	ASSET-ROAD
Kozep-Europai Egyetem	Hungary	GLOBAL VALUE
University College Dublin, National University of Ireland, Dublin	Ireland	ASSET-ROAD
AMRA - Analisi e Monitoraggio del Rischio Ambientale Scarl	Italy	CLUVA
Centro Euro-Mediterraneo per I Cambiamenti Climatici Scarl	Italy	CLUVA
Cometa Consorzio Multi Ente per Lapromozione e I Adozione di Tecnologie di Calcolo Avanzato	Italy	EI4AFRICA
Consiglio Nazionale delle Ricerche	Italy	PRD COLLEGE
International Centre for Genetic engineering and Biotechnology	Italy	PRD COLLEGE
Istituto Nazionale Malattie Infettive L.Spallanzani – IRCCS	Italy	IDEA
Kria S.R.L.	Italy	ASSET-ROAD
Universita Degli Studi di Modena e Reggio emilia	Italy	ASSET-ROAD
Universita Degli Studi di Roma la sapienza	Italy	AVECNET
Technologies sans Frontieres ASBL	Luxembourg	AÏDA
The Commonwealth Network of Information Technology for Development	Malta	IST-AFRICA 2008
Tua Engineering Ltd	Malta	ONLY WATER
Academisch Ziekenhuis Leiden - Leids Universitair Medisch Centrum	Netherlands	IDEA
B.T.G. Biomass Technology Group BV	Netherlands	GLOBAL-BIO-PACT
Het Koninklijk Instituut Voor de Tropen	Netherlands	MALACTRES
In2care BV Innovative Insect Control & Application Research	Netherlands	MCD
Lenntech BV	Netherlands	ONLY WATER
Nederlandse Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek - TNO	Netherlands	AEGOS
Radboud Universiteit Nijmegen - Stichting Katholieke Universiteit	Netherlands	STOPPAM
Stichting dienst Landbouwkundig Onderzoek	Netherlands	MALACTRES
Stichting eTC	Netherlands	INSARD
Stichting International Institute for Geo-Information Science and earth Observation	Netherlands	AÏDA
Stichting Katholieke Universiteit	Netherlands	REDMAL
Sustainalytics BV	Netherlands	GLOBAL VALUE

Universiteit Maastricht	Netherlands	PREPARE
Vereniging Voor Christelijk Hoger Onderwijs Wetenschappelijk Onderzoek en Patientenzorg	Netherlands	WHATER
Wageningen University	Netherlands	SUNRAY
Nasjonalt Kunnskapssenter for Helsetjenesten	Norway	ARCADE HSSR
Norsk Institutt for By- Og Regionforskning	Norway	CLUVA
Stiftelsen Norsk Institutt for Naturforskning	Norway	HUNT
Universitetet I Bergen	Norway	PREPARE
Universitetet I Oslo	Norway	PREPARE
Panstwowy Instytut Geologiczny	Poland	AEGOS
IMAR- Instituto do Mar	Portugal	EAMNET
Instituto Nacional de engenharia, Tecnologia e Inovacao	Portugal	AEGOS
Instituto Superior Tecnico	Portugal	ONLY WATER
Sociedade Portuguesa de Inovacao - Consultadoria empresarial e Fomento Da Inovacao S.A.	Portugal	MASCOT
Universidade do Minho	Portugal	ICONZ
Technical University 'Gheorghe Asachi' of Iasi	Romania	ASSET-ROAD
Univerza v Ljubljani	Slovenia	HUNT
Consejo Superior de Investigaciones Cientificas	Spain	HUNT
Fundacio Intermon Oxfam	Spain	SUNRAY
Fundacion Azti/Azti Fundazioa	Spain	TXOTX
Universitat Autonoma de Barcelona	Spain	HUNT
International Foundation for Science Stiftelse*IFS	Sweden	SUNRAY
Kungliga Tekniska Hoegskolan	Sweden	EI4AFRICA
Statens Vag- Och Transportforskningsinstitut	Sweden	ASSET-ROAD
Stiftelsen Chalmers Industriteknik	Sweden	ONLY WATER
Umea Universitet	Sweden	HUNT
Eurovacc Foundation	Switzerland	IDEA
Hospices Cantonaux Chuv	Switzerland	IDEA
Net Qi sa	Switzerland	AIDA
Universite de Geneve	Switzerland	SDH-NET
World Health Organization	Switzerland	APARET

Brunel University	United Kingdom	EI4AFRICA
Forsite diagnostics Ltd	United Kingdom	MALACTRES
GE Healthcare Limited	United Kingdom	ETATMBA
Health Action Partnership International C.I.C	United Kingdom	MASCOT
Innovative Vector Control Consortium	United Kingdom	AVECNET
Institute of Development Studies	United Kingdom	ARCADE HSSR
International Institute for Environment and Development	United Kingdom	RURBANAFRICA
Lab901 Limited	United Kingdom	ICONZ
Loughborough University	United Kingdom	RURBANAFRICA
Malaria Consortium Lbg	United Kingdom	IDEA
Medical Research Council	United Kingdom	IDEA
Plymouth Marine Laboratory	United Kingdom	EAMNET
Practical Action	United Kingdom	INSARD
Proforest Ltd	United Kingdom	GLOBAL-BIO-PACT
The Chancellor, Masters and Scholars of the University of Oxford	United Kingdom	IDEA
The Macaulay Land Use Research Institute	United Kingdom	HUNT
The Secretary of State for Environment, Food and Rural Affairs	United Kingdom	TXOTX
The University Court of the University of Aberdeen	United Kingdom	HUNT
The University of Edinburgh	United Kingdom	ICONZ
The University of Exeter	United Kingdom	PREPARE
The University of Liverpool	United Kingdom	ICONZ
The University of Manchester	United Kingdom	CLUVA
The University of Sheffield	United Kingdom	SUNRAY
The University of Stirling	United Kingdom	HUNT
The University of Warwick	United Kingdom	ETATMBA
University of Durham	United Kingdom	AVECNET
University of Glasgow	United Kingdom	AVECNET
University of Newcastle Upon Tyne	United Kingdom	WHATER
University of Sussex	United Kingdom	PREPARE

## Tunisia

Organisation	Country	Projects
Consiglio Nazionale delle Ricerche	Italy	BIONEXGEN, CAPWA, COCONET, CREAM, ERANETMED, ETRERA, ETRERA_2020, FIRESENSE, FP4BATIW, FUME, IASON, MEDIRAS, MED-SPRING, MIRA, PERSEUS, ULIXES, WATERBIOTECH
Agencia Estatal Consejo Superior de Investigaciones Cientificas	Spain	COCONET, CREAM, EAU4FOOD, ERANETMED, FUME, LEISHDRUG, MEDSEA, MED-SPRING, MIRA, PERSEUS, PROBIOLIVES, SUSTAINMED, ULIXES
Centre National de la Recherche Scientifique	France	AQUAMED, CB-WR-MED, COCONET, ERANETMED, EUMEDGRID-SUPPORT, FUME, LEISHDRUG, PERSEUS, PRO-EEL
Institut National de la Recherche Agronomique	France	AGORA, ANIMALCHANGE, ARIMNET, ARIMNET2, BIOBIO, FORESTERRA, LOWINPUTBREEDS, PRO-EEL, SUSTAINMED
Stichting dienst Landbouwkundig Onderzoek	Netherlands	AGRICAB, ANIMALCHANGE, BIOBIO, EAU4FOOD, LOWINPUTBREEDS, PRO-EEL, VMERGE, WAHARA
Centre de Cooperation International en Recherche Agronomique pour le Developpement	France	AFROMAISON, ANIMALCHANGE, ARIMNET, ARIMNET2, EAU4FOOD, VMERGE
Institut de Recherche pour le Developpement	France	BRAGMA, CREAM, FUME, MED-SPRING, MIRA, RAPSODI
Fundacao para a Ciencia e a Tecnologia	Portugal	ARIMNET, ARIMNET2, ERANETMED, FORESTERRA, MED-SPRING, MIRA
JRC -Joint Research Centre- European Commission	Belgium	ANIMALCHANGE, BEWATER, CLIM-RUN, FUME, PERSEUS
Deutsches Zentrum Fur Luft und Raumfahrt E.V.	Germany	CLIMB, ERANETMED, MED-SPRING, MIRA, REELCOOP
Centro Internazionale di Alti Studi Agronomici Mediterranei - Istituto Agronomico Mediterraneo di Bari	Italy	ERANETMED, MEDPRO, MED-SPRING, MIRA, WASSERMED
Institut Pasteur	France	EUMEDNETVSTB, GM_NCD_IN_CO, LEISHDRUG, SPHINX
Potsdam Institut fuer Klimafolgenforschung	Germany	AFROMAISON, CLIM-RUN, FUME, WASSERMED
Ethniko Idryma Erevnon	Greece	ERANETMED, MED-SPRING, MIRA, SHEMERA

Hellenic Centre for Marine Research	Greece	COCONET, CREAM, MEDSEA, PERSEUS
Hellinikos Georgikos Organismos - dimitra (Hellenic Agricultural Organization - Demeter)	Greece	ARIMNET, ARIMNET2, LOWINPUTBREEDS, PROBIOLIVES
Türkiye Bilimsel ve Teknolojik Arastırma Kurumu	Turkey	ERANETMED, ETRERA_2020, MED-SPRING, MIRA
The University of Liverpool	United Kingdom	MEDCHAMPS, PARAVAC, RESCAP-MED, SAHWA
Universiteit Gent	Belgium	PARAVAC, PRO-EEL, ULIXES
Institute of Oceanology - Bulgarian Academy of Sciences	Bulgaria	COCONET, CREAM, PERSEUS
Institute of Oceanography and Fisheries	Croatia	AQUAMED, CREAM, PERSEUS
Ministry of Agriculture, Natural Resources and Environment of Cyprus	Cyprus	ARIMNET, ARIMNET2, CREAM
The Cyprus Research and Educational Foundation	Cyprus	CLIM-RUN, MED-SPRING, PERSEUS
European Forest Institute	Finland	AGORA, BEWATER, FORESTERRA
Forschungszentrum Juelich GmbH	Germany	BIO CIRCLE, BIO CIRCLE 2, CLIMB
Fraunhofer-Gesellschaft zur Förderung der Angewandten Forschung e.V.	Germany	CHIBIO, EUROAFRICA-P8, MEDIRAS
National Agricultural Research Foundation	Greece	ARIMNET, LOWINPUTBREEDS, PROBIOLIVES
National and Kapodistrian University of Athens	Greece	DEEP, FUME, PERSEUS
Bay Zoltan Alkalmazott Kutatási Közhazsnon Nonprofit KFT.	Hungary	BIO CIRCLE, BIO CIRCLE 2, SHEMERA
Tudományos és Technológiai Alapítvány	Hungary	BIO CIRCLE, BIO CIRCLE 2, SHEMERA
IIMC International Information Management Corporation Limited	Ireland	BRAGMA, IST-AFRICA 2012-13, IST-AFRICA 2014-15
Alma Mater Studiorum-Università di Bologna	Italy	BIOBIO, MEDIGENE, ULIXES
Centro Euro-Mediterraneo per i Cambiamenti Climatici Scarl	Italy	FUME, MEDSEA, WASSERMED
Clu Srl	Italy	COCONET, PERSEUS, WASSERMED
Consorzio Nazionale Interuniversitario per le Scienze del Mare	Italy	COCONET, MEDSEA, PERSEUS
Innova BIC - Business Innovation Centre Srl	Italy	ETC, ETRERA_2020, FP4BATIW
Ministero delle Politiche Agricole Alimentari e Forestali	Italy	ARIMNET, ARIMNET2, FORESTERRA
Università degli Studi di Milano	Italy	BIODESERT, LOWINPUTBREEDS, ULIXES
Università degli Studi di Padova	Italy	AGORA, BIOBIO, CLIMB
Office of the Prime Minister	Malta	ARIMNET2, ERANETMED, MED-SPRING
Università di Malta	Malta	COCONET, EUMEDGRID-SUPPORT, PERSEUS
Institutul National de Cercetare-Dezvoltare Marina Grigore Antipa	Romania	COCONET, CREAM, PERSEUS
Instituto Espanol de Oceanografia	Spain	COCONET, CREAM, PERSEUS
Mediterranean Agronomic Institute of Zaragoza / International Centre for	Spain	CREAM, FORESTERRA, FUME

Advanced Mediterranean Agronomic Studies		
Universidad de Cantabria	Spain	CLIM-RUN, COCONET, FUME
Universidad Politecnica de Madrid	Spain	ANIMALCHANGE, MEDPRO, WASSERMED
Universitat Autonoma de Barcelona	Spain	FP4BATIW, MEDSEA, SOWAEUMED
Universitat Politecnica de Catalunya	Spain	MAGHRENOV, PERSEUS, WATERBIOTECH
Istanbul University	Turkey	COCONET, MEDIGENE, PERSEUS
Middle East Technical University	Turkey	COCONET, PERSEUS, SAHWA
University of Newcastle Upon Tyne	United Kingdom	LOWINPUTBREEDS, MEDCHAMPS, RESCAP-MED
Universitaet fuer Bodenkultur Wien	Austria	CLARA, WATERBIOTECH
Centre for European Policy Studies	Belgium	FUME, MEDPRO
European Business and Innovation Centre Network	Belgium	ETC, ETRERA_2020
Universite de Liege	Belgium	AGRICAB, PERSEUS
Vlaamse Instelling Voor Technologisch Onderzoek N.V.	Belgium	AGRICAB, BAT4MED
Institut Po Bioraznoobrazie I ekosistemni Izsledvaniya Balgarska Akademiya Na Naukite	Bulgaria	COCONET, PERSEUS
Sofia University " St. Kliment Ohridski"	Bulgaria	COCONET, PERSEUS
Danmarks Tekniske Universitet	Denmark	COCONET, PRO-EEL
Københavns Universitet	Denmark	LOWINPUTBREEDS, PRO-EEL
Agence Nationale de la Recherche	France	ARIMNET2, ERANETMED
Anima Investment Network	France	MED-SPRING, SAHWA
Association de Coordination Technique pour l'Industrie Agroalimentaire	France	BIO CIRCLE, BIO CIRCLE 2
Centre International des Hautes Etudes Agronomiques Mediterraneennes Institut Agronomique Mediterranee de Montpellier	France	ARIMNET2, SUSTAINMED
Commissariat a l'energie Atomique et Aux energies Alternatives	France	ANIMALCHANGE, MEDSEA
Institut Francais de Recherche pour l'exploitation de la Mer	France	CREAM, PERSEUS
Plan Bleu pour l'environnement et le Developpement en Mediterranee	France	CLIM-RUN, PERSEUS
United Nations educational, Scientific and Cultural Organization – UNESCO	France	AFROMAISON, CLIM-RUN
Universite d'Aix Marseille	France	PERSEUS, WATERBIOTECH
Universite de Nantes	France	ETRERA, ETRERA_2020
Universite Lyon 1 Claude Bernard	France	MEDIGENE, PARAVAC
Universite Pierre et Marie Curie - Paris 6	France	MEDSEA, PERSEUS
Ecologic Institut Gemeinnützige GMBH	Germany	BEWATER, PERSEUS



Technische Universitaet Muenchen	Germany	BIOBIO, CHIBIO
Universitaet Bremen	Germany	SAHWA, WATERBIOTECH
Verein zur Foerderung Des Technologietransfers an Der Hochschule Bremerhaven e.V.	Germany	CLARA, WATERBIOTECH
Wip Gmbh & Co Kg - Wirtschaft und Infrastruktur Gmbh & Co Planungs KG	Germany	MEDIRAS, MIRA
Anonymi etaireia Viomichanikis erevna Kai Technologikis Anaptyxis Tis Viomichanias Trofimon - Food Industrial Research and Technological Development Company sa	Greece	BIO CIRCLE, BIO CIRCLE 2
Centre for Research and Technology Hellas	Greece	FIRESENSE, SOLUTIONS
Panepistimio Ioanninon	Greece	BIODESERT, MEDIGENE
University of the Aegean-Research Unit	Greece	COCONET, PERSEUS
Szent Istvan egyetem	Hungary	ANIMALCHANGE, BIOBIO
Teagasc - Agriculture and Food Development Authority	Ireland	ANIMALCHANGE, LOWINPUTBREEDS
The Provost, Fellows, Foundation Scholars & the Other Members of Board of the College of the Holy & Undivided Trinity of Queen elizabeth Near Dublin	Ireland	MEDCHAMPS, RESCAP-MED
Israel Oceanographic and Limnological Research Limited	Israel	COCONET, PERSEUS
Matimop, Israeli Industry Center For Research & Development	Israel	MED-SPRING, MIRA
Ministry of Agriculture and Rural Development	Israel	ARIMNET, ARIMNET2
Technion - Israel Institute of Technology	Israel	LEISHDRUG, SOLUTIONS
Agenzia Nazionale per le Nuove Tecnologie, l'Energia e lo Sviluppo economico Sostenibile	Italy	CLIM-RUN, PERSEUS
Agenzia per la Promozione della Ricerca Europea	Italy	BIO CIRCLE, BIO CIRCLE 2
Centro Euro-Mediterraneo sui Cambiamenti Climatici Scarl	Italy	CLIM-RUN, PERSEUS
Istituto Nazionale di Oceanografia e di Geofisica Sperimentale Ogs	Italy	MEDSEA, PERSEUS
Stazione Zoologica Anton Dohrn	Italy	INCOMMET, PERSEUS
Universita Degli Studi di Roma la sapienza	Italy	CREAM, ESTEEM
Universita Degli Studi di Roma Tor Vergata	Italy	LEISHDRUG, MEDIGENE
Universiteit Leiden	Netherlands	DEEP, PRO-EEL
Universiteit Twente	Netherlands	AGRICAB, CAPWA
Wageningen University	Netherlands	PRO-EEL, WAHARA
Instituto Superior de Agronomia	Portugal	AGORA, FUME
Institutul National de Cercetare-Dezvoltare Pentru Geologie Si Geoecologie Marina-Geoecomar	Romania	COCONET, PERSEUS

Bioazul	Spain	CLARA, WATERBIOTECH
Centro de Investigacion Ecologica Yaplicaciones Forestales	Spain	BEWATER, MENFRI
Instituto Nacional de Investigacion y Tecnologia Agraria y Alimentaria	Spain	ARIMNET, ARIMNET2
Ministerio de Ciencia e Innovacion	Spain	FORESTERRA, MIRA
Ministerio de economia y Competitividad	Spain	ERANETMED, FORESTERRA
Universidad Politecnica de Valencia	Spain	PRO-EEL, SUSTAINMED
Kungliga Tekniska Hoegskolan	Sweden	EUROAFRICA-P8, SOWAEUMED
Lunds Universitet	Sweden	EUNAM, FUME
eidgenoessisches Volkswirtschaftsdepartement	Switzerland	ANIMALCHANGE, BIOBIO
Universite de Geneve	Switzerland	AFROMAISON, IASON
Dokuz Eylul Universitesi	Turkey	MEDCHAMPS, RESCAP-MED
Ministry of Food Agriculture and Livestock	Turkey	ARIMNET, ARIMNET2
yildiz Technical University	Turkey	CLIMB, ETRERA_2020
Aberystwyth University	United Kingdom	ANIMALCHANGE, BIOBIO
Europe for Business LTD	United Kingdom	BEWATER, CB-WR-MED
Forum for Agricultural Research in Africa	United Kingdom	BIO CIRCLE, BIO CIRCLE 2
London School of Hygiene and Tropical Medicine	United Kingdom	LEISHDNAVAX, LEISHDRUG
Plymouth Marine Laboratory	United Kingdom	MEDSEA, PERSEUS
University of Plymouth	United Kingdom	MEDSEA, PERSEUS
Austriatech - Gesellschaft des Bundes fur Technologiepolitische Massnahmen GMBH	Austria	SOLUTIONS
Ecosan Club KG	Austria	CLARA
energieinstitut an Der Johannes Kepler Universitat Linz Gmbh	Austria	CHIBIO
Institut fuer Hoehere Studien und Wissenschaftliche Forschung	Austria	ARABTRANS
Internationales Institut fuer Angewandte Systemanalyse	Austria	ANIMALCHANGE
Joanneum Research Forschungsgesellschaft Mbh	Austria	CLIMB
Paris-Iodron-Universität salzburg	Austria	BRAGMA
Universität Für Bodenkultur Wien	Austria	BIOBIO
3e NV	Belgium	COCONET
Alienoreu SPRL	Belgium	MENFRI
Antea Belgium N.V.	Belgium	AFROMAISON
Association Europeenne des Vehicules Electriques a Batteries, Hybrides et a Pile	Belgium	SOLUTIONS

a Combustible		
Centre Scientifique & Technique de L'industrie Textile Belge	Belgium	OPEN GARMENTS
douëlou NV	Belgium	OPEN GARMENTS
European Agro Environmental Healthassociates Geie	Belgium	VMERGE
European Renewable Energy Centres Agency Eeig	Belgium	ETRERA_2020
European Solar engineering sa	Belgium	MEDIRAS
Forum des Laboratoires Nationaux Europeens de Recherche Routiere	Belgium	SOLUTIONS
Katholieke Hogeschool Limburg VZW	Belgium	OPEN GARMENTS
Musee Royal de l'Afrique Centrale	Belgium	BRAGMA
Polis - Promotion of Operational Links With Integrated Services, Association Internationale	Belgium	SOLUTIONS
Prospex Bvba	Belgium	BEWATER
Sustainable Communication AISBL	Belgium	MED-SPRING
Universite Catholique de Louvain	Belgium	LOWINPUTBREEDS
Universite Libre de Bruxelles	Belgium	SHEMERA
Universiteit Antwerpen	Belgium	AFROMAISON
Universiteit Hasselt	Belgium	OPEN GARMENTS
VIB	Belgium	PARAVAC
Xenics NV	Belgium	FIRESENSE
Black Sea NGO Network	Bulgaria	PERSEUS
executive Forestry Agency	Bulgaria	FORESTERRA
Institute of Plant Genetic Resources	Bulgaria	BIOBIO
The Stephan Angeloff Institute of Microbiology, Bulgarian Academy of Sciences	Bulgaria	EUMEDNETVSTB
University of Plovdiv	Bulgaria	SAHWA
Drzavni Hidrometeoroloski zavod	Croatia	CLIM-RUN
Institut za Jadranske Kulture I Melioraciju Krsa-Split	Croatia	ARIMNET2
Ministarstvo Znanosti, Obrazovanja I Sporta	Croatia	FORESTERRA
Ruder Boskovic Institute	Croatia	SOWAEUMED
Sveuciliste U Splitu (University of Split)	Croatia	IASON
University of Zadar	Croatia	COCONET
Cyprus Center for European and International Affairs	Cyprus	MEDPRO
Cyprus Research and Academic Network	Cyprus	EUMEDGRID-SUPPORT

Geoimaging LTD	Cyprus	IASON
Ministry of Health of the Republic of Cyprus	Cyprus	DEEP
Planning Bureau	Cyprus	MIRA
Rci Research & Consultancy Institute Ltd	Cyprus	JOIN-MED
Research Promotion Foundation	Cyprus	ERANETMED
The Cyprus Institute Limited	Cyprus	BEWATER
University of Cyprus	Cyprus	PERSEUS
Apronex S.R.O.	Czech Republic	CHIBIO
Aarhus Universitet	Denmark	ANIMALCHANGE
Billund Aquakulturservice A/S	Denmark	PRO-EEL
BioMar A/S	Denmark	PRO-EEL
Biocomputing Platforms Ltd Oy	Finland	MEDIGENE
Ilmatieteen Laitos	Finland	FUME
Nuorisotutkimusseura Ry Ungdomsforskningssallskapet Rf	Finland	SAHWA
Pellervon Taloudellisen Tutkimuslaitoksen Kannatusyhdistys Ry	Finland	SUSTAINMED
Teknologian Tutkimuskeskus (VTT)	Finland	EUROAFRICA-P8
Agence Nationale de Securite Sanitaire de l'Alimentation, de l'Environnement et du Travail	France	VMERGE
Alma Consulting Group saS	France	RAPSODI
Centre National du Machinisme Agricole du Genie Rural des eaux et des Forets	France	FUME
Conference Des Regions peripheriques Maritimes d Europe - Association	France	MED-SPRING
Easy Global Market SAS	France	PROBE-IT
European Fisheries and Aquaculture Organisation	France	AQUAMED
Euroquality sarl	France	MASCOT
FeMISe-Forum Euro-Méditerranéen d'Instituts de Sciences economiques	France	MEDPRO
Inra Transfert S.A.	France	ANIMALCHANGE
Instimed	France	RAPSODI
Institut de Recherche et Documentation en Economie de la Sante	France	EUNAM
Institut Francais des Sciences et Technologies des Transports, de l'Amenagement et des Reseaux	France	SOLUTIONS
Institut National de la sante et de la Recherche Medicale (INSERM)	France	SPHINX
Institut National de Recherche en Informatique et en Automatique (INRIA)	France	ESTEEM

Institut National de Recherche en Sciences et Technologies pour l'environnement et l'Agriculture	France	CLIMB
Institut National Des Sciences Appliquees de Toulouse (INsa)	France	BIOPROTECH
IP Research Consulting Sasu	France	LEISHDRUG
Items International	France	MAGHRENOV
Lisode SARL	France	EAU4FOOD
Meteo-France	France	CLIM-RUN
Ministere de l'Agriculture de l'Agroalimentaire et de la Foret	France	FORESTERRA
Nenuphar sarl	France	COCONET
Pathoquest SAS	France	VMERGE
Sigma Consultants	France	EUROAFRICA-P8
Solagro Association	France	BIOBIO
Synbea SARL	France	GM_NCD_IN_CO
Syncrosome SAS	France	RAPSODI
Tourisme Territoires Transports environnement Conseil	France	CLIM-RUN
Universite Claude Bernard Lyon 1	France	BIOPROTECH
Universite d'Aix Marseille	France	INCOMMET
Universite d'Angers - University of Angers	France	CLIMB
Universite de la Mediterranee d'Aix-Marseille II	France	MIRA
Universite de Perpignan	France	MEDSEA
Universite de Rennes I	France	PROBE-IT
Universite Du Sud Toulon Var	France	COCONET
Universite Francois Rabelais de Tours	France	CLIMB
Universite Montpellier I	France	MEDIGENE
Universite Paul Cezanne Aix Marseille III	France	WATERBIOTECH
Universite Paul sabatier Toulouse III	France	PERSEUS
Virbac SA	France	RAPSODI
Alfred-Wegener-Institut fuer Polar- und Meeresforschung	Germany	MEDSEA
Bayerische Forschungsallianz (Bavarian Research Alliance) Gmbh	Germany	CLIMB
Bundesministerium fuer Bildung und Forschung	Germany	ERANETMED
Charite - Universitaetsmedizin Berlin	Germany	LEISHDNAVAX
Christian-Albrechts-Universitaet zu Kiel	Germany	CLIMB

Clariant Produkte (Deutschland) Gmbh	Germany	CHIBIO
Cut Gmbh & Co. Kg	Germany	CAPWA
Cut Membrane Technology Gmbh	Germany	CAPWA
Deutsche Institute Fur Textil- und Faserforschung Denkendorf	Germany	OPEN GARMENTS
Deutsches Krebsforschungszentrum	Germany	EUNAM
Edi Experimentelle und Diagnostische Immunologie Gmbh	Germany	SPHINX
evonik Industries Ag	Germany	CHIBIO
Forschungszentrum Borstel	Germany	EUMEDNETVSTB
Friedrich Loeffler Institut - Bundesforschungsinstitut fuer Tiergesundheit	Germany	VMERGE
Georg-August-Universitaet Goettingen Stiftung Oeffentlichen Rechts	Germany	LOWINPUTBREEDS
Hochschule Karlsruhe Technik und Wirtschaft	Germany	BIONEXGEN
ICCT - International Council On Clean Transportation Europe Ggmbh	Germany	SOLUTIONS
Iclei European Secretariat GMBH (Iclei Europasekretariat GMBH)*	Germany	SOLUTIONS
Inno AG	Germany	PROBE-IT
IT Consult Gmbh	Germany	JOIN-MED
Johann Heinrich von Thuenen-Institut, Bundesforschungsinstitut fuer Landliche Raume, Wald und Fischerei	Germany	LOWINPUTBREEDS
Ludwig-Maximilians-Universitaet Muenchen	Germany	CLIMB
Membrana Gmbh	Germany	CAPWA
Microdyn-Nadir Gmbh	Germany	BIONEXGEN
Mologen AG	Germany	LEISHDNAVAX
Naturwissenschaftliches und Medizinisches Institut an Der Universitaet Tuebingen	Germany	SPHINX
Papiertechnische Stiftung	Germany	CAPWA
Peppermint Holding GMBH	Germany	OPEN GARMENTS
Pse AG	Germany	MEDIRAS
Rupprecht Consult - Forschung & Beratung GMBH	Germany	SOLUTIONS
Steinbeis Forschungs- und entwicklungszentren Gmbh – Sfz	Germany	BIOPROTECH
Steinbeis Innovation Ggmbh	Germany	BIONEXGEN
Stiftung Tieraerztliche Hochschule Hannover	Germany	PARAVAC
Sud Chemie Ag	Germany	CHIBIO
Technische Universitaet Braunschweig	Germany	LEISHDRUG
Universitaet Rostock	Germany	COCONET



Universitaetsklinikum erlangen	Germany	DEEP
Universität Bremen	Germany	MEDIRAS
Vista Geowissenschaftliche Fernerkundung Gmbh	Germany	CLIMB
Wuppertal Institut für Klima, Umwelt, Energie GMBH.	Germany	SOLUTIONS
Zentrum fuer Europaeische Wirtschaftsforschung Gmbh	Germany	MEDPRO
Agricultural University of Athens	Greece	PROBIOLIVES
Aristotelio Panepistimio Thessalonikis	Greece	IASON
Eir Symvouloi Anaptyxis Etaireia Periorismenis Efthynis	Greece	PERSEUS
enieos Foreas eleghou Trofinon	Greece	BIO CIRCLE 2
Foundation for Research and Technology Hellas	Greece	BIONEXGEN
Hellenic Ministry of Culture and Tourism	Greece	FIRESENSE
Institute of Communication and Computer Systems	Greece	MEDPRO
Kentro Ananeosimon Pigon Ke Exikonomisis Energeias (Centre for Renewable Energy Sources and Saving)	Greece	ETRERA_2020
Konstantopoulos Ae	Greece	PROBIOLIVES
Marac Electronics, S.A.	Greece	FIRESENSE
Mediterranean Agronomic Institute of Chania	Greece	SUSTAINMED
Mediterranean Information Office for Environment, Culture and Sustainable Development	Greece	BEWATER
Ministry of Environment Energy and Climate Change	Greece	FORESTERRA
National Observatory of Athens	Greece	CLIM-RUN
National Technical University of Athens	Greece	WASSERMED
Panellinios enosis exagogeon Brosimon elaion (Pebe) Somateio	Greece	PROBIOLIVES
Panepistimio Kritis (University of Crete)	Greece	PERSEUS
Planet S.A	Greece	JOIN-MED
Research and Development of Carbon Nanotubes S.A.	Greece	BIONEXGEN
Technical University of Crete	Greece	ULIXES
University of Ioannina	Greece	FUME
Personmed KFT	Hungary	MEDIGENE
Aquatt Uetp Ltd	Ireland	AQUAMED
Boondoggle (Ireland) Limited	Ireland	OPEN GARMENTS
Dublin City University	Ireland	ARABTRANS

earagail eisc Teoranta	Ireland	CHIBIO
Lara Media Limited	Ireland	PARAVAC
Letterkenny Institute of Technology	Ireland	CHIBIO
University College Dublin, National University of Ireland, Dublin	Ireland	PARAVAC
Bar Ilan University	Israel	MEDSEA
Palestinian Academy for Science and Technology	Israel	JOIN-MED
The Agricultural Research Organisation of Israel - the Volcani Centre	Israel	AQUAMED
The Hebrew University of Jerusalem	Israel	LEISHDNAVAX
The Israel electric Corporation Limited	Israel	CAPWA
University of Haifa	Israel	PERSEUS
yodfat engineers (1994) Ltd	Israel	CAPWA
Agris sardegna - Agenzia per la Ricerca in Agricoltura	Italy	CLIMB
Anbessa Environmental Consulting di Leone Andrea	Italy	BEWATER
Arcoria Pietro*Arcoria Pietro Costruzioni edili Stradali e Forestali di Arcoria Pietro Azienda Agricola	Italy	PROBIOLIVES
Associazione Internazionale Volontari Laici	Italy	MED-SPRING
Associazione Italiana Frantoiani Oleari	Italy	PROBIOLIVES
Azienda Ospedaliera Antonio Cardare	Italy	DEEP
Azienda Ospedaliera di Padova	Italy	DEEP
Azienda Ospedaliera Ospedali Riuniti Villa Sofia-Cervello	Italy	DEEP
Azienda Ospedaliero Universitaria Consorziata Policlinico di Bari	Italy	DEEP
Bioindustry Park Silvano Fumero Spa	Italy	BIOPROTECH
Centro di Ricerca, Sviluppo e Studi Superiori in sardegna	Italy	CLIMB
Centro Internazionale in Monitoraggio Ambientale - Fondazione Cima	Italy	IASON
Coispa Tecnologia & Ricerca Scarl	Italy	COCONET
Cometa Consorzio Multi ente per Lapromozione e L Adozione di Tecnologie di Calcolo Avanzato	Italy	EUMEDGRID-SUPPORT
Consiglio per la Ricerca e Sperimentazione in Agricoltura	Italy	FORESTERRA
Consortium Garr	Italy	EUMEDGRID-SUPPORT
Consorzio Interuniversitario Nazionale per la Fisica Delle Atmosfere e Delle Idrosfere	Italy	CLIMB
Consorzio per Il Centro Interuniversitario di Biologia Marina ed Ecologia Applicata	Italy	CREAM

G. Bacci		
Consorzio per Valutazioni Biologiche e Farmacologiche	Italy	DEEP
Cosnav engineering Srl	Italy	PERSEUS
Ecotechsystems Srl	Italy	ULIXES
European Association for Animal Production	Italy	ANIMALCHANGE
Fondazione Andrea Cesalpino	Italy	SPHINX
Fondazione Casa Sollievo Della Sofferenza	Italy	MEDIGENE
Fondazione Eni Enrico Mattei	Italy	MEDPRO
Fondazione Idis-Città Della Scienza	Italy	SHEMERA
Fondazione Italiana Leonardo Giambrone per la Guarigione Della Talassemia	Italy	DEEP
Fondazione per la Ricerca Farmacologica Gianni Benzi Onlus	Italy	DEEP
Food and Agriculture Organisation of the United Nations Fao	Italy	ANIMALCHANGE
Food and Agriculture Organization of the United Nations Fao	Italy	VMERGE
I.T.A. - Consorzio Italiano per Il Telerilevamento Dell Ambiente e Dell Agricoltura	Italy	AGRICAB
IMED Istituto per il Mediterraneo	Italy	ESTEEM
Innolabs Srl	Italy	FP4BATIW
Innova Business Innovation Centre	Italy	ETRERA
International Centre for Genetic engineering and Biotechnology	Italy	BIOPROTECH
Ipogea P.S.C. Arl	Italy	RESCOURCENET
Istituto Affari Internazionali	Italy	MEDPRO
Istituto di Studi per L'integrazione Dei Sistemi Srl	Italy	MEDPRO
Istituto Nazionale di Economia Agraria	Italy	ARIMNET2
Istituto Nazionale di Fisica Nucleare	Italy	EUMEDGRID-SUPPORT
Istituto per Gli Studi di Politica Internazionale	Italy	ARABTRANS
Istituto Superiore per la Protezione e la Ricerca Ambientale	Italy	IASON
Istituto Zooprofilattico Sperimentale Dell'abruzzo e Del Molise "G. Caporale" di Teramo	Italy	VMERGE
JO Consulting Srl	Italy	ETC
Laterizi Gambettola Srl	Italy	REELCOOP
Ministero Del l'istruzione, Del l'universita 'e della Ricerca	Italy	ERANETMED
Next Technology Tecnotessile Società Nazionale di Ricerca R.L.	Italy	TEMP
Politecnico Calzaturiero Scarl	Italy	SOHEALTHY

Politecnico di Torino	Italy	CB-WR-MED
Regione Puglia	Italy	ERANETMED
Scuola Superiore di Studi Universitari e di perfezionamento sant'anna	Italy	BAT4MED
Treviso Tecnologia - Azienda Speciale per L'innovazione Tecnologica Della Camera di Commercio di Treviso	Italy	TEMP
TXT e-Solutions Spa	Italy	OPEN GARMENTS
Unimed Unione Delle Universita Delmediterraneo Associazione	Italy	MED-SPRING
Universita Degli Studi Della Tuscia	Italy	FUME
Universita Degli Studi di Catania	Italy	LOWINPUTBREEDS
Universita Degli Studi di Ferrara	Italy	EUNAM
Universita Degli Studi di Milano-Bicocca	Italy	SAHWA
Universita Degli Studi di Napoli Federico II	Italy	SUSTAINMED
Universita Degli Studi di sassari	Italy	FUME
Universita Degli Studi di Torino	Italy	PROBIOLIVES
Universita Degli Studi di Trento	Italy	CLIMB
Universita Degli Studi Magna Graecia di Catanzaro	Italy	MEDIGENE
Università di Palermo	Italy	MEDIRAS
Warrant Group S.R.I.	Italy	MENFRI
Zuccato Energia Srl	Italy	REELCOOP
Malta Council for Science and Technology	Malta	MIRA
Ministry for Resources and Rural Affairs	Malta	CREAM
Academisch Ziekenhuis Leiden - Leids Universitair Medisch Centrum	Netherlands	PARAVAC
Agrotechnology Consult Africa BV	Netherlands	WAHARA
Altenburg & Wymenga ecologisch Onderzoek B.V.	Netherlands	AFROMAISON
Boondoggle B.V.	Netherlands	OPEN GARMENTS
Brabant Water N.V.	Netherlands	CAPWA
Corporation Blue BV	Netherlands	BEWATER
Institut de Sélection Animale BV	Netherlands	LOWINPUTBREEDS
Institute for Pig Genetics BV	Netherlands	LOWINPUTBREEDS
Kema Nederland Bv	Netherlands	CAPWA
Kic Innoenergy Se	Netherlands	MAGHRENOV
Koninklijke Nederlandse Akademie van Wetenschappen – KNAW	Netherlands	MEDPRO

Iouis Bolk Instituut	Netherlands	LOWINPUTBREEDS
Metameta Research B.V.	Netherlands	WAHARA
Nederlandse Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek - TNO	Netherlands	OPEN GARMENTS
Noort Harmannus Conradus Pieter	Netherlands	IASON
Provimi Holding BV	Netherlands	ANIMALCHANGE
Senternovem	Netherlands	BIO CIRCLE
Stichting Centrum Voor Wiskunde en Informatica	Netherlands	FIRESENSE
Stichting Deltares	Netherlands	PERSEUS
Stichting Het Nederlands Kanker Instituut	Netherlands	SPHINX
Stichting International Institute for Communication and Development	Netherlands	EUROAFRICA-P8
Stichting Kenniscentrum Papier en Karton	Netherlands	CAPWA
Stichting Wetlands International	Netherlands	AFROMAISON
Universiteit Utrecht	Netherlands	PERSEUS
Vof Max Juwelier & edelsmederij	Netherlands	OPEN GARMENTS
Havforskningsinstituttet	Norway	PRO-EEL
Nofima AS	Norway	PRO-EEL
Norges Teknisk - Naturvitenskapelige Universitet	Norway	PRO-EEL
Norsk Institutt for Skog Og Landskap	Norway	BIOBIO
Stiftelsen Nansen Senter for Fjernmaaling	Norway	COCONET
Universitetet for Miljo Og Biovitenskap	Norway	CHIBIO
Case - Centrum Analiz Społeczno- ekonomicznych- Fundacja Naukowa	Poland	MEDPRO
Fartpol Ii Jan Sniegocki	Poland	OPEN GARMENTS
Termocycle Sp Zoo	Poland	REELCOOP
Aavanz - Inovacao Unipessoal Lda	Portugal	BRAGMA
Associação de Produtores de Azeite Da Beira Interior	Portugal	PROBIOLIVES
Associacao Textil e Vestuario de Portugal	Portugal	TEMP
Centro Tecnologico Das Industrias Textil e do Vestuario de Portugal - CITeVe	Portugal	TEMP
Fertiprado Sementes e Nutrientes, LDA	Portugal	ANIMALCHANGE
Fundacao Da Faculdade de Ciencias Da Universidade de Lisboa	Portugal	FUME
Instituto de Investigacao Cientifica Tropical	Portugal	BRAGMA
Instituto Nacional de Recursos Biologicos I.P. INRB	Portugal	PROBIOLIVES

Laboratorio Nacional de Engenharia Civil	Portugal	SOLUTIONS
Manuel da Conceicao Graca Limitada	Portugal	REELCOOP
Probeira Produtos Alimentares Beira LDA	Portugal	PROBIOLIVES
Sociedade Portuguesa de Inovacao - Consultadoria empresarial e Fomento Da Inovacao S.A.	Portugal	MASCOT
Umic - Agencia para a Sociedade do Conhecimento - Umic - Knowledge Society Agency	Portugal	EUROAFRICA-P8
Uninova - Instituto de Desenvolvimento de Novas Tecnologias	Portugal	PROBE-IT
Universidade de Evora	Portugal	REELCOOP
Universidade Do Porto	Portugal	REELCOOP
Universitatea de Medicina si Farmacie'carol Davila' din Bucuresti	Romania	MEDIGENE
Universitatea Tehnica Cluj-Napoca	Romania	IASON
Centrum Vyskumu Zivocisnej Vyroby Nitra	Slovak Republic	LOWINPUTBREEDS
Institut za Vode Republike Slovenije	Slovenia	BEWATER
Ministrstvo za Izobrazevanje, Znanost, Kulturo in Sport	Slovenia	ARIMNET2
Ministrstvo za Kmetijstvo in Okolje	Slovenia	ARIMNET2
Ministrstvo za Kmetijstvo, Gozdarstvo in Prehrano	Slovenia	FORESTERRA
Nacionalni Institut za Biologijo	Slovenia	PERSEUS
Univerza v Ljubljani	Slovenia	LOWINPUTBREEDS
Agencia de Gestio D'ajuts Universitaris i de Recerca	Spain	ERANETMED
Agencia de Residus de Catalunya	Spain	BAT4MED
Analisis Sociologicos, economicos y Politicos S.A	Spain	ARABTRANS
Androme Iberica SL	Spain	OPEN GARMENTS
Asociacion de exportadores de Aceitunas de Mesa Asemesa	Spain	PROBIOLIVES
Asociacion Madrid Network	Spain	ETRERA_2020
BC3 Basque Centre for Climate Change - Klima Aldaketa Ikergai	Spain	PERSEUS
Centre for International Information and Documentation in Barcelona	Spain	SAHWA
Centro de Investigacion Biomedica en Red de Diabetes y Enfermedades Metabolicas	Spain	MEDIGENE
Centro de Investigaciones Energeticas, Medioambientales y Tecnologicas-Ciemat	Spain	REELCOOP
Clearwater Tec S.L.	Spain	MEDIRAS
Cluster Calzado Innovacion Asociacion	Spain	SOHEALTHY



Consorti Forestal de Catalunya	Spain	MENFRI
Deimos Imaging S.L.	Spain	AGRICAB
Fundacio Centre de Recerca en Sanitat Animal Cresa	Spain	VMERGE
Fundacio Centre D'iniciatives I Recerques Europees a la Mediterrania - CIReM	Spain	SHEMERA
Fundacio Ctm Centre Tecnologic	Spain	CB-WR-MED
Fundacio Institut Catala de Ciencies del Clima	Spain	CLIM-RUN
Fundacio Privada Centre de Regulacio Genomica	Spain	LEISHDRUG
Fundacio Privada Parc de Recerca Uab	Spain	FP4BATIW
Fundacion Centro de estudios Ambientales del Mediterraneo	Spain	FUME
Fundacion Comunidad Valenciana- Region Europea	Spain	CB-WR-MED
Fundacion Educacion para el Empleo	Spain	SAHWA
Fundacion para el Conocimiento Madrimasd	Spain	MIRA
Fundacion Zaragoza Logistics Center	Spain	SOLUTIONS
Gas Natural Sdg sa	Spain	CAPWA
Institut Català D'arqueologia Clàssica	Spain	MEDIGENE
Instituto Andaluz de Tecnologia	Spain	BAT4MED
Instituto Aragonés de Ciencias de la Salud	Spain	EUMEDNETVSTB
Instituto de salud Carlos III	Spain	RAPSODI
Instituto Europeo del Mediterraneo Consorcio	Spain	MEDPRO
Instituto Tecnológico de Canarias	Spain	MEDIRAS
Instituto Tecnológico Del Calzado y Conexas	Spain	SOHEALTHY
Jolca S.A	Spain	PROBIOLIVES
Ministerio de educacion y Ciencia	Spain	MIRA
Nadrec S.A.	Spain	SOWAEUMED
Onyx Solar Energy S.l	Spain	REELCOOP
Pigure Iberica S.L.	Spain	LOWINPUTBREEDS
Tecnologias y Servicios Agrarios, S.A.	Spain	FUME
Trakteplan, S.L.	Spain	ESTEEM
Universidad de Castilla - la Mancha	Spain	FUME
Universidad de Cordoba	Spain	PARAVAC
Universidad de Extremadura	Spain	BIOBIO

Universidad de Lleida	Spain	SAHWA
Universitat de Barcelona	Spain	PERSEUS
Universitat de València. Estudi General	Spain	RESCOURCENET
Universitat Pompeu Fabra	Spain	LEISHDRUG
Isconova AB	Sweden	PARAVAC
Applied Genetics Network	Switzerland	LOWINPUTBREEDS
Braunvieh Schweiz Genossenschaft	Switzerland	LOWINPUTBREEDS
Council on Health Research for Development Association	Switzerland	MASCOT
Drugs for Neglected diseases Initiative Fondation*Dndi	Switzerland	LEISHDNAVAX
ergosft Ag	Switzerland	OPEN GARMENTS
Forschungsinstitut Fur Biologischenlandbau Stiftung	Switzerland	LOWINPUTBREEDS
Swissgenetics	Switzerland	LOWINPUTBREEDS
Universitaet Zuerich	Switzerland	PARAVAC
World Health Organization	Switzerland	RESCAP-MED
Akdeniz University	Turkey	SUSTAINMED
Bilkent Üniversitesi	Turkey	FIRESENSE
Bogazici Üniversitesi	Turkey	FIRESENSE
Ege Üniversitesi	Turkey	CREAM
Ekinoks Harita Yazılım Muhendislik Sanayi ve Ticaret Limited Sirketi	Turkey	IASON
Gebze yuksek Teknoloji enstitusu	Turkey	CLIMB
Istanbul Teknik Üniversitesi	Turkey	SHEMERA
Izmir Institute of Technology	Turkey	BIONEXGEN
Karadeniz Teknik Üniversitesi	Turkey	AGORA
Ministry of Agriculture and Rural Affairs, General directorate of Agricultural Researches, Pistachio Research Institute	Turkey	AQUAMED
Ministry of Environment and Forestry General Directorate of Forestry	Turkey	FORESTERRA
Ministry of Environment and Forestry, Southwest Anatolia Forest Research Institute	Turkey	FUME
Sinop University*Sinop Fisheries Faculty SNU FF	Turkey	COCONET
Surdurulebilir Ulasim Dernegi	Turkey	SOLUTIONS
Titan Bina elektronik Sistemleri Teknoloji sanayi Ve Ticaret Limited Sirketi	Turkey	FIRESENSE
Tubitak Ulusal Akademik Ag Ve Bilgi Merkezi	Turkey	EUMEDGRID-SUPPORT

Turkiye Bilimler Akademisi	Turkey	MIRA
Yasar Universitesi	Turkey	REELCOOP
Bangor University	United Kingdom	ULIXES
Health Action Partnership International C.I.C	United Kingdom	MASCOT
Moredun Research Institute	United Kingdom	PARAVAC
Natural Environment Research Council	United Kingdom	VMERGE
Naturebureau Limited	United Kingdom	COCONET
Overseas Development Institute	United Kingdom	EAU4FOOD
Pfizer Limited	United Kingdom	PARAVAC
St George's Hospital Medical School	United Kingdom	RESCAP-MED
Swansea University	United Kingdom	BIONEXGEN
The British Council	United Kingdom	MIRA
The Glasgow Caledonian University	United Kingdom	MEDCHAMPS
The Pirbright Institute	United Kingdom	VMERGE
The School of Pharmacy, University of London	United Kingdom	DEEP
The Scottish Agricultural College	United Kingdom	ANIMALCHANGE
The University Court of the University of Aberdeen	United Kingdom	ARABTRANS
The University of Exeter	United Kingdom	WASSERMED
The University of Reading	United Kingdom	REELCOOP
The University of Salford	United Kingdom	SOHEALTHY
Triveritas Limited	United Kingdom	PARAVAC
Trust-IT Services Ltd	United Kingdom	EUMEDGRID-SUPPORT
University of Bath	United Kingdom	WATERBIOTECH
University of East Anglia	United Kingdom	CLIM-RUN
University of Glasgow	United Kingdom	PARAVAC
University of Kent	United Kingdom	SUSTAINMED
University of Leeds	United Kingdom	WAHARA
University of Surrey	United Kingdom	PROBE-IT

## Uganda

Organisation	Country	Projects
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Institut de Recherche pour le Developpement	France	AEGOS, CAAST-NET, CAAST-NET PLUS, EVIMALAR, INFRAVEC
Karolinska Institutet	Sweden	ARCADE HSSR, EQUIP, EVIMALAR, ICONZ, SURE
The Chancellor, Masters and Scholars of the University of Oxford	United Kingdom	EVIMALAR, GO4HEALTH, HURAPRIM, INFRAVEC, MUTHI
Københavns Universitet	Denmark	AFSPAN, EVIMALAR, ICONZ, THESCHISTOVAC
Centre National de la Recherche Scientifique	France	CREATING, EVIMALAR, INFRAVEC, NEXTGEN
Foundation for Research and Technology Hellas	Greece	CAAST-NET PLUS, EVIMALAR, INFRAVEC, TRANSMALARIABLOC
IIMC International Information Management Corporation Limited	Ireland	IST-AFRICA 2008, IST-AFRICA 2010 - 11, IST-AFRICA 2012-13, IST-AFRICA 2014-15
Stockholms Universitet	Sweden	CREATING, EVIMALAR, INFRAVEC, PRD COLLEGE
Schweizerisches Tropen- und Public Health-Institut	Switzerland	AMASA, APARET, ICONZ, PERFORM
Association of Commonwealth Universities	United Kingdom	CAAST-NET, CAAST-NET PLUS, EUROAFRICA-ICT, EUROAFRICA-ICT.ORG
Liverpool School of Tropical Medicine	United Kingdom	EVIMALAR, INFRAVEC, PERFORM, TRANSMALARIABLOC
London School of Hygiene and Tropical Medicine	United Kingdom	EQUIP, EVIMALAR, FIGHTMAL, GO4HEALTH
Prins Leopold Instituut voor Tropische Geneeskunde	Belgium	GO4HEALTH, ICONZ, SUNRAY
European Molecular Biology Laboratory	Germany	EVIMALAR, INFRAVEC, NEXTGEN
Universitaetsklinikum Heidelberg	Germany	EVIMALAR, GO4HEALTH, INFRAVEC
Wageningen University	Netherlands	INFRAVEC, PUREFOOD, SUNRAY
Imperial College of Science, Technology and Medicine	United Kingdom	EVIMALAR, INFRAVEC, TRANSMALARIABLOC
The University of Edinburgh	United Kingdom	AMASA, GO4HEALTH, ICONZ
Agence Universitaire de la Francophonie, Delegation Chargee Des Relations Avec L'union Europeenne Asbl	Belgium	EUROAFRICA-ICT, EUROAFRICA-ICT.ORG
Antea Belgium N.V.	Belgium	AFROMAISON, WETWIN
Commission of the European Communities - directorate General Joint Research Centre - JRC	Belgium	AEGOS, EO2HEAVEN
Universiteit Antwerpen	Belgium	AFROMAISON, PRISMA
Universiteit Gent	Belgium	AMASA, HURAPRIM
Jyväskylä yliopisto- University of Jyväskylä	Finland	CAAST-NET, CAAST-NET PLUS
Bureau de Recherches Geologiques et Minieres	France	AEGOS, EO2HEAVEN

Centre de Cooperation International en Recherche Agronomique pour le Developpement	France	AFROMAISON, CAAST-NET
Institut National de la sante et de la Recherche Medicale (INSERM)	France	EVIMALAR, SURE
Institut Pasteur	France	EVIMALAR, INFRAVEC
Sigma Consultants	France	EUROAFRICA-ICT, EUROAFRICA-ICT.ORG
United Nations educational, Scientific and Cultural Organization – UNESCO	France	AFROMAISON, HEALTHY FUTURES
Bernhard-Nocht-Institut fuer Tropenmedizin	Germany	APARET, EVIMALAR
Deutsches Zentrum Fur Luft und Raumfahrt E.V.	Germany	CAAST-NET, CAAST-NET PLUS
Max Planck Gesellschaft zur Foerderung Der Wissenschaften e.V.	Germany	EVIMALAR, PRD COLLEGE
Potsdam Institut fuer Klimafolgenforschung	Germany	AFROMAISON, WETWIN
International Centre for Genetic engineering and Biotechnology	Italy	EVIMALAR, PRD COLLEGE
Istituto Superiore di sanita	Italy	EVIMALAR, INFRAVEC
The Academy of Sciences for the Developing World	Italy	EUROAFRICA-ICT, EUROAFRICA-ICT.ORG
Universita Degli Studi di Camerino	Italy	INFRAVEC, TRANSMALARIABLOC
Universita Degli Studi di perugia	Italy	FIGHTMAL, INFRAVEC
Universita Degli Studi di Roma la sapienza	Italy	EVIMALAR, INFRAVEC
Academisch Ziekenhuis Leiden - Leids Universitair Medisch Centrum	Netherlands	EVIMALAR, THESCHISTOVAC
Stichting Katholieke Universiteit	Netherlands	EVIMALAR, INFRAVEC
Stichting Wetlands International	Netherlands	AFROMAISON, WETWIN
Nasjonalt Kunnskapssenter for Helsetjenesten	Norway	ARCADE HSSR, SURE
Norges Forskningsrad	Norway	CAAST-NET, CAAST-NET PLUS
Universitetet I Oslo	Norway	MUTHI, PREPARE
Fundacao para a Ciencia e a Tecnologia	Portugal	CAAST-NET, CAAST-NET PLUS
Universite de Geneve	Switzerland	AFROMAISON, EVIMALAR
World Health Organization	Switzerland	APARET, SURE, EMERALD
Aberystwyth University	United Kingdom	BIOBIO, THESCHISTOVAC
Cardiff University	United Kingdom	NEXTGEN, PUREFOOD
Institute of Development Studies	United Kingdom	AFSPAN, ARCADE HSSR
King's College London	United Kingdom	EMERALD, PRISMA
The University of Liverpool	United Kingdom	HEALTHY FUTURES, ICONZ
University of Glasgow	United Kingdom	EVIMALAR, INFRAVEC
Medizinische Universitaet Wien	Austria	HURAPRIM

Paris-Iodron-Universität salzburg	Austria	HEALTHY FUTURES
Universität Für Bodenkultur Wien	Austria	BIOBIO
Vienna School of Clinical Research	Austria	APARET
WasserCluster Lunz - Biologische Station Gmbh	Austria	WETWIN
Zentrum fuer Soziale Innovation	Austria	CAAST-NET PLUS
Avia-GIS Bvba	Belgium	ICONZ
Federatie Palliatieve Zorg Vlaanderen	Belgium	PRISMA
Institut Royal Des Sciences Naturelles de Belgique	Belgium	AEGOS
Musee Royal de l'Afrique Centrale	Belgium	CREATING
Institute of Plant Genetic Resources	Bulgaria	BIOBIO
Ceska Geologicka Sluzba	Czech Republic	AEGOS
Danmarks Tekniske Universitet	Denmark	CAAST-NET PLUS
ecofoster Group Oy	Finland	APROPOS
Geologian Tutkimuskeskus	Finland	AEGOS
Kankaisten Oeljykasvit Oy	Finland	APROPOS
Sybimar Oy	Finland	APROPOS
Teknologian Tutkimuskeskus (VTT)	Finland	APROPOS
Agence Nationale de Securite sanitaire de l'Alimentation, de l'environnement et du Travail	France	ICONZ
Centre International pour la Formation et les echanges en Geosciences	France	AEGOS
Institut National de la Recherche Agronomique	France	BIOBIO
Institut Pasteur de Lille	France	THESCHISTOVAC
Nevantropic	France	EO2HEAVEN
Px'therapeutics	France	FIGHTMAL
Solagro Association	France	BIOBIO
Spot Image S.A.	France	EO2HEAVEN
Universite Claude Bernard Lyon 1	France	ICONZ
Universite de Toulouse II - le Mirail	France	CREATING
52°North Initiative for Geospatial Open Source Software Gmbh	Germany	EO2HEAVEN
Beak Consultants Gmbh	Germany	AEGOS
Bundesanstalt fur Geowissenschaften und Rohstoffe	Germany	AEGOS
Deutsche Gesellschaft fuer Palliativmedizin	Germany	PRISMA



Evaplan Gmbh am Universitätsklinikum Heidelberg	Germany	EQUIP
Forschungszentrum Borstel	Germany	THESCHISTOVAC
Fraunhofer-Gesellschaft zur Foerderung Der Angewandten Forschung e.V	Germany	EO2HEAVEN
Friedrich loeffler Institut - Bundesforschungsinstitut fuer Tiergesundheit	Germany	ICONZ
Gabo:Mi Gesellschaft fur Ablauforganisation:Milliarium MBH & CO KG GAB O	Germany	EMERALD
Go Africa Katharina Kuss	Germany	PRD COLLEGE
Igv Institut Fur Getreideverarbeitung Gmbh	Germany	APROPOS
Kroppenstedter Olmuhle Walter dopelheuer Gmbh	Germany	APROPOS
Medico International EV	Germany	GO4HEALTH
Philipps Universitaet Marburg	Germany	EVIMALAR
Technische Universitaet Dresden	Germany	EO2HEAVEN
Technische Universitaet Muenchen	Germany	BIOBIO
Trion Research Gmbh	Germany	THESCHISTOVAC
Universitaet Bayreuth	Germany	CREATING
Agricultural University of Athens	Greece	INFRAVEC
Szent Istvan egyetem	Hungary	BIOBIO
Vituki Kornyezetvedelmi es Vizgazdalkodasi Kutato Intezet Kozhasznu Tarsasag	Hungary	WETWIN
Aquatt Uetp Ltd	Ireland	HEALTHY FUTURES
The Provost Fellows & Scholars of the College of the Holy and Undivided Trinity of Queen elizabeth Near Dublin	Ireland	CREATING
The Provost, Fellows, Foundation Scholars & the Other Members of Board of the College of the Holy & Undivided Trinity of Queen elizabeth Near Dublin	Ireland	HEALTHY FUTURES
Alma Mater Studiorum-Universita di Bologna	Italy	BIOBIO
Centro Agricoltura e Ambiente Giorgio Nicoli Srl	Italy	INFRAVEC
Consiglio Nazionale delle Ricerche	Italy	PRD COLLEGE
Food and Agriculture Organisation of the United Nations Fao	Italy	AFSPAN
Istituto di Ricerca in Medicina Palliativa Lino Maestroni- Fondazione Onlus	Italy	PRISMA
Istituto Superiore di Ricerca e Formazione sui Materiali Speciali Pertecnologie Avanzate Srl in Breve Isrims Cons A R L	Italy	INFRAVEC
Parco Tecnologico Padano S.R.L.	Italy	NEXTGEN
Universita Cattolica del Sacro Cuore	Italy	NEXTGEN
Universita Degli Studi di Napoli Federico II	Italy	INFRAVEC

Universita Degli Studi di Padova	Italy	BIOBIO
Universita Degli Studi di Pavia	Italy	INFRAVEC
Universita Degli Studi di Teramo	Italy	NEXTGEN
Universita Degli Studi di Torino	Italy	EVIMALAR
Universita di Pisa	Italy	PUREFOOD
Latvijas Universitate	Latvia	PUREFOOD
Aleksandro Stulginskio Universitetas	Lithuania	APROPOS
The Commonwealth Network of Information Technology for Development	Malta	IST-AFRICA 2008
Academisch Medisch Centrum Bij de Universiteit van Amsterdam	Netherlands	PRD COLLEGE
Altenburg & Wymenga ecologisch Onderzoek B.V.	Netherlands	AFROMAISON
Het Koninklijk Instituut Voor de Tropen	Netherlands	EO2HEAVEN
Nederlandse Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek - TNO	Netherlands	AEGOS
Stichting Biomedical Primate Research Center	Netherlands	EVIMALAR
Stichting dienst Landbouwkundig Onderzoek	Netherlands	BIOBIO
Stichting Healthnet International Transcultural Psychosocial Organization	Netherlands	EMERALD
Stichting IRC International Water and Sanitation Centre	Netherlands	WASHTECH
The Technical Centre For Agricultural And Rural Cooperation	Netherlands	CAAST-NET PLUS
Universiteit Maastricht	Netherlands	PREPARE
Universiteit Twente	Netherlands	EO2HEAVEN
Universiteit van Amsterdam	Netherlands	MUTHI
Vereniging Voor Christelijk Hoger Onderwijs Wetenschappelijk Onderzoek en Patientenzorg	Netherlands	PRISMA
Norges Teknisk - Naturvitenskapelige Universitet	Norway	PRISMA
Norsk Institutt for Skog Og Landskap	Norway	BIOBIO
Nutrimar As	Norway	APROPOS
Sintef Fiskeri Og Havbruk As	Norway	APROPOS
Universitetet I Bergen	Norway	PREPARE
Universitetet I Bergen Organisasjonsedd	Norway	MUTHI
Universitetet I Stavanger	Norway	AFSPAN
Panstwowy Instytut Geologiczny	Poland	AEGOS
Centro de estudos e Investigacao em saude Da Universidade de Coimbra	Portugal	PRISMA

Hospital santa Maria	Portugal	PRISMA
Instituto de Higiene e Medicina Tropical	Portugal	INFRAVEC
Instituto de Medicina Molecular	Portugal	EVIMALAR
Instituto Nacional de engenharia, Tecnologia e Inovacao	Portugal	AEGOS
Universidade do Minho	Portugal	ICONZ
Atos Spain sa	Spain	EO2HEAVEN
Fundacio Centre de Recerca en Salut International de Barcelona	Spain	EVIMALAR
Fundacio Intermon Oxfam	Spain	SUNRAY
Fundacio Privada Clinic per a la Recerca Biomedica	Spain	PRISMA
Fundacion española para la Cooperacion Internacional salud y Politica Social	Spain	CAAST-NET PLUS
Ministerio de economia y Competitividad	Spain	CAAST-NET
Textil Planas Oliveras sa	Spain	APROPOS
True Cosmetics SI	Spain	APROPOS
Universidad Autonoma de Madrid	Spain	EMERALD
Universidad de Extremadura	Spain	BIOBIO
Universidad de Navarra	Spain	ICONZ
Universitat Politecnica de Catalunya	Spain	APROPOS
International Foundation for Science Stiftelse*IFS	Sweden	SUNRAY
Smittskyddsinstitutet	Sweden	EVIMALAR
Sveriges Meteorologiska Och Hydrologiska Institut	Sweden	HEALTHY FUTURES
Verket för Innovationssystem	Sweden	CAAST-NET
Council on Health Research for Development Association	Switzerland	CAAST-NET PLUS
Ecole Polytechnique Federale de Lausanne	Switzerland	NEXTGEN
eidgenoessisches Volkswirtschaftsdepartement	Switzerland	BIOBIO
Skat Foundation	Switzerland	WASHTECH
Universitaet Bern	Switzerland	EVIMALAR
Türkiye Bilimsel ve Teknolojik Arastirma Kurumu	Turkey	CAAST-NET
Cranfield University	United Kingdom	WASHTECH
Genome Research Limited	United Kingdom	EVIMALAR
Lab901 Limited	United Kingdom	ICONZ
Medical Research Council	United Kingdom	EVIMALAR

Microtest Matrices Ltd	United Kingdom	FIGHTMAL
Natural Environment Research Council	United Kingdom	AEGOS
Open Geospatial Consortium (Europe) Limited	United Kingdom	EO2HEAVEN
Oxitec Limited	United Kingdom	INFRAVEC
Queen Mary and Westfield College, University of London	United Kingdom	AMASA
The British Institute in Eastern Africa Lbg	United Kingdom	CREATING
The Chancellor, Masters and Scholars of the University of Cambridge	United Kingdom	THESCHISTOVAC
The City University	United Kingdom	PUREFOOD
The University of Exeter	United Kingdom	PREPARE
The University of Sheffield	United Kingdom	SUNRAY
University of Durham	United Kingdom	HEALTHY FUTURES
University of Keele	United Kingdom	INFRAVEC
University of Leeds	United Kingdom	PERFORM
University of Portsmouth Higher education Corporation	United Kingdom	AFSPAN
University of Sussex	United Kingdom	PREPARE
University of York	United Kingdom	HEALTHY FUTURES
Wateraid	United Kingdom	WASHTECH