Research Funding Opportunities available under FP7-ICT-Call 5, FP7-Infrastructures-2010-2 and FP7-AFRICA-2010 Calls for Proposals

Political Developments during 2008 - 2009

During the past two years, there have been a number of developments which have a direct impact for international research funding for African Universities and research centres to apply for joint funding with European universities and research centres.

European research activities are structured around consecutive multi-annual programmes, or so-called Framework Programmes. The 2009 - 2010 Work Programme for ICT Research in Framework Programme 7 (FP7) was published on 19 November 2008. FP7-ICT is fully open to international co-operation with the aim to join forces for addressing major challenges where significant added value is expected to be gained from worldwide R&D cooperation.

During Call 1 & Call 2 of FP7 (2007 – 2008), several projects were funded with participation from African and European partners, including IST-Africa, BELIEF II, Digital World Forum, AIDA, IRMA, FLOSSInclude, CAAST-NET, EuroAfrica-ICT, PAEPARD and INCONTACT.

During the Africa-EU Summit in Lisbon in December 2007, the African and European Heads of State agreed the Africa-EU Strategic Partnership which covers 8 thematic areas. For the first time, Science, Information Society and Space is included as a priority area for joint co-operation. On 01 October 2008, the European Commission and African Union Commission discussed a portfolio of 19 "lighthouse projects" identified and designed by the African Union Commission (AUC) to respond to African needs that would serve as the framework for implementing the EU/AU Partnership on Science, ICT and Space and its Action plan. They agreed that 6 of these projects are 'early deliverables' and will receive immediate attention.

The 2 ICT Theme projects selected are the "African Internet Exchange System", focused on enhancing internet deployment and use in Africa, and "Africa Connect" to extend the reach of the European research and education high-speed network GEANT to Sub-Saharan Africa.

The EU and AUC Commissioners also agreed to further use the European 7th Framework Programme for Research (FP7) to broaden African participation notably in the areas of health, environment and climate, energy, agriculture and food, Information and Communication Technologies and Space applications. The use of FP7 will complement other EC Development programmes.

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The ACP published two Calls for Proposals during 2008: @CP-ICT, which closed on 16 September and ACP-ST, which closed on 27 February '09. Projects funded under @CP-ICT will start to commence activities in Q4 2009.

IST-Africa supported the identification of European and African partners and the submission of a number of proposals under @CP-ICT and ACP-ST.

Current and Upcoming Calls for Proposals

There are three Calls for Proposals currently open:

➢ FP7-ICT-Call 5 was published on 30 July with a closing date of 26 October 2009;

➢ FP7-Infrastructures-2010-2 was published on 30 July with a closing date of 24 November 2009

➢ FP7-Africa-2010 Call was published on 30 July with a closing date of 14 January 2010.

It is currently envisaged that FP7-ICT-Call 6 will be published on 24 November 2009 with a closing date of 13 April 2010.

FP7-ICT Call 5 – Closes 26 October 2009

The Work Programme for ICT research in Framework Programme 7 (FP7) for 2009 and 2010 was published on 19 November 2008. An updated version of the Work Programme was published in July 2009.

FP7-ICT-Call 5 closes on **26 October 2009**.

Organisations interested in participating in FP7 should review the Work Programme carefully and identify thematic areas that are relevant to your organisational strategic objectives and available resources. It is important that all proposals submitted are clearly aligned with the items outlined in the Work Programme, which can be downloaded from

www.ist-africa.eu/home/default.asp?page=fp7

Thematic areas open under Call 5 include:

Challenge 1: Pervasive and Trusted Network and Service Infrastructures

➢ ICT 2009.1.1 The Network of the Future (CP, NoE, CSA)

➢ ICT 2009.1.2 Internet of Services, Software & Virtualisation (CP, CSA)

➢ ICT 2009.1.3 Internet of Things and Enterprise Environments (CP, CSA)

➢ ICT 2009.1.4 Trustworthy ICT (CP, NoE, CSA)

> ➤ ICT 2009.1.6 Future Internet Experimental Facility and Experimentally-driven Research (CP, CSA)

Challenge 3: Components, Systems, Engineering

> ➤ ICT 2009.3.1 Nanoelectronics Technology (CP, NoE, CSA)

> ➤ ICT 2009.3.5 Engineering of Networked Monitoring and Control Systems (CP, NoE, CSA)

> ➤ ICT 2009.3.7 Photonics (CP, CSA)

> ➤ ICT 2009.3.9 Microsystems and Smart Miniaturised Systems (CP, CSA)

Challenge 4: Digital Libraries and Content

> ➤ ICT 2009.4.2 Technology-Enhanced Learning (CP, NoE, CSA)

> ➤ ICT 2009.4.3 Intelligent Information Management (CP, NoE, CSA)

Future and Emerging Technologies

> ➤ ICT 2009.8.4 Human-Computer Confluence (IP only)

> ➤ ICT 2009.8.5 Self-Awareness in Autonomic Systems (CP)

> ➤ ICT 2009.8.6 Towards Zero-Power ICT (STREP only)

> ➤ ICT 2009.8.9 Coordinating Communities, Plans and Actions in FET Proactive Initiatives (CSA)

> ➤ ICT 2009.8.10 Identifying new Research Topics, Assessing Emerging Global S&T Trends in ICT for future FET Proactive Initiatives (CSA)

Horizontal Support Actions

> ➤ ICT 2009.9.2 Supplements to Support International Cooperation between ongoing projects (CP)

> ➤ ICT 2009.9.5 Supplements to Strengthen Cooperation in ICT R&D in an Enlarged Europe (CP)

CP (Collaborative Projects) are Integrated Projects (IP) or Small or Medium Scale Focused Research Actions (STREP).

CSA (Coordination and Support Actions) are Coordination Actions or Support Actions.

For more information on the different instruments, please refer to FP7 Guide – Instruments.

All proposals submitted under FP7-ICT-Call 5 must address all items outlined in the Guide to Applicants and be submitted by a consortium consisting of three independent legal entities from three different EU Member States and participants from Third Countries & International Cooperation Partner Countries (ICPC) in addition to minimum EU partner participation. This provides an opportunity to leverage existing partnerships with organisations in Europe.

FP7-Infrastructures-2010-2 - Closes 24 November 2009

The ICT-based e-Infrastructures Call supports a number of interrelated topics designed to foster the emergence of a new research environment in which 'virtual communities' of scientists and engineers are empowered to share and exploit the collective power of the European ecosystem of scientific and engineering facilities. Such topics in 2010 include the deployment of sustainable service provisioning schemes of core e-Science distributed computing infrastructures; further development, deployment and evolution of software and simulation infrastructures and services; and expansion of e-Infrastructures to address the specific needs of new scientific and engineering communities (including in the area of social sciences and humanities). Activities related to socio-economic impact assessment and evaluation should be also foreseen where appropriate. Projects must implement (i) Networking Activities, (ii) Service Activities and (iii) Joint Research Activities in a closely coordinated manner following the Integrated Infrastructures Initiative model.

Topics open under 1.1.2 of Call 7 ICT-based eInfrastructures are:

➢ INFRA-2010-1.2.1: Distributed computing infrastructure (DCI)

➢ INFRA-2010-1.2.2: Simulation software and services

➢ INFRA-2010-1.2.3: Virtual Research Communities

The funding mechanism is a Combination of Collaborative projects and Coordination and Support Actions (CPCSA). This instrument requires a minimum of at least 3 independent legal entities, each of which is established in a EU Member State or Associated Country, and no two of which are established in the same Member State or Associated Country. Relevant participants from Third Countries & International Cooperation Partner Countries (ICPC) can be included in addition to minimum EU partner participation.

More information is available in the e-Infrastructure 2010 Work Programme

FP7-Africa-2010

DG Research published the FP7-AFRICA-2010 Call on 30 July with a closing date of **14 January 2010**.

Please download the Call Documentation and Guide for Applicants from http://cordis.europa.eu/fp7/dc/index.cfm?fuseaction=UserSite.cooperationDetailsCallPage&call_id=268

The aim of this Call is to address some of the Science & Technology objectives of the "Africa - EU Strategic Partnership" putting emphasis on 'Water and Food Security' and 'Better Health for Africa' through three themes in the Cooperation Work Programme 2010:

➢ Theme 1: Health

➢ Theme 2 – Food, Agriculture and Fisheries and Biotechnology

➢ Theme 6 – Environment (including Climate Change).

It is focused on a holistic approach involving various scientific and technological research fields such as food, agriculture, health, land and water resources including their interaction with climate change and integrating broader socio-economic factors such as migration and resettlement, urbanisation, health care systems and programme interventions.

Open Day, Brussels, 18 September

An Open Day to provide more information on the Call and address specific questions will be held in Brussels on 18 September. Click here to download the brochure for more information.

Instruments

Most of the open Action Lines will be fulfilled through large scale Integrating Projects (IP) and Small or Medium Scale Focused Research Actions (STREP) for Specific Cooperation Actions (SICA) dedicated to international collaboration partner countries. The Minimum requirements in relation to the Consortium structure for a SICA is at least 4 independent legal entities, of which, 2 must be established in different EU Member States or Associated Countries and the other 2 must be established in different International Cooperation Partner countries (ICPC) from African ACP and the following Mediterranean Partner Countries (African MPC): Algeria, Egypt, Libya, Morocco, and Tunisia.

This instrument provides a good opportunity for relevant European and African organisations to cooperate in Research projects focused on addressing issues in Africa. It is necessary to

identify relevant partners who bring specialist and complimentary expertise as soon as possible to ensure adequate time to prepare a high quality proposal.

For more information on Integrated Projects (IPs) and Small or Medium Scale Focused Research Actions (STREP), please refer to FP7 Guide – Instruments.

Topics open for Proposals under Theme 1, 2 and 6

The table below outlines the topics open for proposals by Theme under FP7-AFRICA-2010. When submitting a proposal, it is necessary to outline the relevant Topic Code.

Theme 1: Health

Theme Activity	Topic Code	Funding Scheme	Funding available & No. of proposals
Activity 1.2 Translating research for human health	HEALTH.2010.2.3.2-4: Controlling malaria by hitting the vector: New or Improved – Vector Control Tools	IP SICA (Specific Cooperation Actions) dedicated to ICPC countries	Min. EC contribution /proposal: € 6,000,000 Max. EC contribution /proposal: € 12,000,000 Only up to 1 proposal can be selected under this topic
Activity 1.2 Translating research for human health	HEALTH.2010.2.4.1-4: Infectious agents and cancer in Africa	STREP SICA	Max. EC contribution /proposal € 3,000,000 One or more proposals can be selected for this topic.
Activity 1.3 International public health and health systems	HEALTH.2010.3.4-1: Develop and assess key interventions and policies to address the human resource crisis in the health sector	STREP SICA	Max. EC contribution /proposal: €3,000,000 One or more proposals can be selected for this topic
Activity 1.3 International public health and health systems	HEALTH.2010.3.4-2: Feasibility and community effectiveness of innovative intervention packages for maternal and newborn health in Africa	STREP SICA	Max. EC contribution /proposal: € 3,000,000 One or more proposals can be selected for this topic
Activity 1.3 International public health and health	HEALTH.2010.3.4-3: Building sustainable capacity for research	Coordination Action	Max. EC contribution /proposal: € 2,000,000 One or more

systems	for health in Africa		proposals can be selected for this topic
Activity 1.3 International public health and health systems	HEALTH.2010.3.4-4: Assessment of migrants' health, disease patterns and impact on health systems	Coordination Action	Max. EC contribution /proposal: € 2,000,000 Only up to one proposal can be selected for this topic

Theme 2: Food, Agriculture and Fisheries and Biotechnology

Theme Activity	Topic Code	Funding Scheme	Funding available & No. of proposals
Activity 2.1: Sustainable production and management of biological resources from land, forest and aquatic environment	KBBE-2010.1.-2-03: Sustainable water resources management (WRM) and Soil fertility conservation for food production in Africa - SICA (Africa)	IP SICA	Max. EC contribution /proposal: €4,000,000 Maximum of one proposal can be selected for this topic
Activity 2.2 Fork to farm: Food (including seafood), health and well being	KBBE.2010.2.2-03: Identifying research needs on malnutrition in Africa – (Mandatory Africa)	Support Action	Max. EC contribution /proposal: € 1,000,000 Maximum one proposal can be selected for this topic
Activity 2.3 Life sciences, biotechnology and biochemistry for sustainable non-food products and processes	KBBE.2010.3.5-02: Coping with water scarcity in developing countries: Role of biotechnology in water treatment – Mandatory ICPC (Africa)	Coordination action	Max. EC contribution /proposal: € 1,000,000 Maximum one proposal can be selected for this topic
Activity 2.4 Other Activities	KBBE.2010.4-02: Networking of nongovernmental organisations involved in agricultural research for development	Coordination action	Max. EC contribution /proposal: € 500,000 Maximum one proposal can be selected for this topic

Theme 6: Food, Agriculture and Fisheries and Biotechnology

Theme Activity	Topic Code	Funding Scheme	Funding available & No. of proposals
Activity 6.1 Climate Change, pollution and risks	ENV.2010.1.2.1-1: The effect of environmental change on the occurrence and distribution of water related vector-borne diseases in Africa	STREP SICA	Max. EC contribution /proposal: € 3,500,000 Maximum of one proposal can be selected for this topic
Activity 6.1 Climate Change, pollution and risks	ENV.2010.1.3.3-1: Early warning and forecasting systems to predict climate related drought vulnerability and risks in Africa	STREP SICA	Max. EC contribution /proposal: €3,500,000 Maximum of one proposal can be selected for this topic
Activity 6.2 Sustainable management of resources	ENV.2010.2.1.1-1: Integrated management of water and natural resources in Africa	STREP SICA	Max. EC contribution /proposal: € 3,500,000 Maximum of one proposal can be selected for this topic
Activity 6.3 Environmental technologies	ENV.2010.3.1.1-3: Decentralised water supply and sanitation technologies and systems for small communities and peri-urban areas	STREP SICA	Max. EC contribution /proposal: € 2,000,000 Maximum of two proposals can be selected for this topic
Activity 6.3 Environmental technologies	ENV.2010.3.1.1-4: Water harvesting technologies in Africa	STREP SICA	Max. EC contribution /proposal: € 2,000,000 Maximum of two proposals can be selected for this topic

FP7-ICT Call 6

The Work Programme for ICT research in Framework Programme 7 (FP7) for 2009 and 2010 was published on 19 November 2008. An updated version of the Work Programme was published in July 2009. An overview of FP7-ICT-Call 6 is included in the Work Programme. Detailed Call Documentation will be published in November 2009

It is currently envisaged that FP7-ICT-Call 6 will be published on *24 November 2009* with a closing date of **13 April 2010**. Please check the dates when the Call is published.

Thematic areas open under Call 6 include:

Challenge 2: Pervasive and Trusted Network and Service Infrastructures

➢ ICT 2009.2.1 Cognitive Systems and Robotics (CP, CA)

Challenge 4: Digital Libraries and Content

➢ ICT 2009.4.1 Digital Libraries and Digital Preservation (CP, NoE, CSA)

Challenge 5: Towards sustainable and personalised Healthcare

➢ ICT 2009.5.3 Virtual Physiological Human (CP, CSA)

Challenge 6: ICT for Mobility, Environment Sustainability and Energy Efficiency

➢ ICT 2009.6.2 ICT for Mobility of the Future (CP, CSA)

Future and Emerging Technologies

➢ ICT 2009.8.7 Molecular Scale Devices and Systems (CP)

➢ ICT 2009.8.9 Brain-inspired ICT (CP)

➢ ICT 2009.8.10 Identifying new Research Topics, Assessing Emerging Global S&T Trends in ICT for future FET Proactive Initiatives (CSA)

Horizontal Support Actions

➢ ICT 2009.9.1 International Cooperation (CP – STREP/SICA only)

➢ ICT 2009.9.2 Supplements to support International Cooperation between ongoing projects (CP)

IST-Africa Support

IST-Africa (Regional Impact of Information Society Technologies in Africa) 2008 - 2009 is a collaborative Initiative between IIMC (Ireland, Coordinator), Ministry of Communications, Science and Technology (Botswana), Ministry of Communications, Science and Technology

(Lesotho), Commonwealth Network of Information Technology for Development (Malta), ICT Policy Implementation Technical Unit (Mozambique), Ministry of Education (Namibia), Wits Commercial Enterprise (Pty) Ltd (South Africa), COSTECH - Tanzania Commission for Science and Technology, and Uganda National Council for Science and Technology. IST-Africa 2008 – 2009 is supported by the European Commission under Framework Programme 7 (FP7).

During 2008 – 2009, IST-Africa is focused on raising wider awareness of African research capacity, promoting participation of African organizations in the ICT Theme of FP7 (FP7-ICT) and identifying co-operation opportunities in fields of mutual interest. The goal is to increase visibility of mutual RTD potential and network relevant European and African stakeholders. The Annual IST-Africa Conference provides an opportunity to showcase relevant research capacity. IST-Africa 2010 (19 - 21May) is hosted by South Africa.

If you are interested in participating in a proposal under FP7-ICT-Call 5, FP7-Infrastructures-2010-2 or FP7-Africa-2010, please download the relevant documentation from www.IST-Africa.eu, identify the areas where your organisation has the relevant expertise and then contact your national IST-Africa partner.

Please also follow up directly with contacts in European organisations that your institution has cooperation agreements with and suggest cooperation on an Open Action Line.

Contact Person	Organisation	Country	Email
Oabona Monngakgotla	DRST, MCST	Botswana	Oabona Monngakgotla
Mrs Williams	MCST	Lesotho	Mrs Williams
Cristina Pinto	Wits Enterprise	South Africa	Cristina Pinto
Ferdinand Katire	Ministry of Education	Namibia	Ferdinand Katire
Lourino Chemane	UTICT	Mozambique	Lourino Chemane
Mr Hamisi Nguli	COSTECH	Tanzania	Hamisi Nguli
Dr Maxwell Otim/Ms Loi Namugenyi	UNCST	Uganda	Loi Namugenyi

IST-Africa Training Workshops focused on FP7-ICT-Call 5, FP7-Infrastrucutures-2010-2 and FP7-Africa-2010 are being held in Lesotho on 21 September, in Botswana on 23 September, Dar es Salaam on 28 September and Maputo on 30 September. Please click here if you wish to learn more about these workshops or register to participate. IST-Africa FP7 Training Workshops are provided free of charge. It is necessary to pre-register and each participant is responsible for any travel or subsistence costs incurred in relation to participation.