**IST-Africa Newsletter October 2016**

# IST-Africa Newsletter October 2016

Dear Colleagues,

We hope you are keeping well. This newsletter is primarily focused on raising awareness of the call for Papers for IST-Africa 2017, ICT-39-2017 Horizon 2020 Call and upcoming Horizon 2020 Training Workshops and publications.

## IST-Africa 2017 – Call for Papers Deadline 09 December

Hosted by the Government of Namibia through the National Commission on Research, Science and Technology, and Supported by the European Commission and African Union Commission, IST-Africa 2017 (May, Windhoek, Namibia) is the twelfth in an annual series of Ministerial level Technology Research Conferences.

IST-Africa provides a platform in Africa to strengthen ICT-enabled Innovation, Science and Technology related policy dialogues within Africa and between Africa and Europe, Global Development, Research and Innovation Cooperation and Community Building. It also provides an opportunity to identify potential partners for future research cooperation under Horizon 2020. IST-Africa is a unique community that brings together cross-disciplinary stakeholders from public, private, education and research, societal sector with end user communities focused on ICT and STI Research and Innovation.

IST-Africa 2017 Call for Papers invited full papers (8 pages in length) using the paper guidelines and IST-Africa template to be submitted online for review by 09 December. All papers are double blind peer reviewed. Each presenter can present one paper in the Programme. Full Papers accepted for the Conference Proceedings and presented during the conference will be submitted for publication to IEEE Xplore as an additional dissemination channel.

Thematic areas include: eHealth/mHealth; Technology-enhanced Learning; eAgriculture/mAgriculture; eInfrastructures and NRENs; Next Generation Computing (Big data, Cloud computing, Future Internet, Internet of Things); eGovernment; Content Technologies (Languages, Digital Preservation); Cyber Security; Collaborative Open Innovation and ICT-enabled Entrepreneurship; Global Development including ICT4D and Societal Implications of Technology.

Please download the Call for Papers for more information.

## Horizon 2020 2016 - 2017 Work Programmes

Horizon 2020 commenced in January 2014 as the new Framework Programme for research and innovation from 2014 – 2020. There are three main pillars – Excellence Science, Industrial Leadership, Societal Challenges.

ICT is a horizontal activity that is included across a number of Work Programmes within LEIT and within Societal Challenges. Download Guide to ICT-related Activities in 2016 - 2017 Work Programmes

The European Commission published the 2016 - 2017 Work Programmes on 14 October 2015 and updated the 2017 Work Programmes on 25 July 2016 The IST-Africa portal has a specific Horizon 2020 section, which provides links to all updated Work Programmes - Marie Curie, Infrastructures, Societal Challenges (Health, Food Security and Agriculture, Energy, Transport, Climate action and Environment, Inclusive and Reflective Societies; Secure Societies) and LEIT. Click here to download the individual work programmes.

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## IST-Africa Horizon 2020 Resources

IST-Africa has prepared a number of resources to assist newcomers to Horizon 2020:

IST-Africa Introduction to Horizon 2020 is designed to support newcomers to Horizon 2020 to better understand the structure, rules and expectations. Chapter 1 provides a short introduction to Horizon 2020, the role of International Cooperation including insights into African participation under FP7 and Horizon 2020 to date and summarises the key differences between FP7 and Horizon 2020. Chapter 2 provides more details in relation to Research Areas, Participation Rules, Funding Instruments and African participation under initial calls of Horizon 2020. Chapter 3 provides insights into a number of preparatory steps that need to be considered prior to preparing a proposal for submission under Horizon 2020. These include identification of relevant research areas and calls, identification of complementary partners and correct funding instrument.

IST-Africa Guide to 2017 Calls for Proposals in Horizon 2020 is based on updated 2017 Work Programmes to provide an overview of Calls, themes and deadlines within the Marie Curie, eInfrastructures, Leadership in Enabling and Industrial Technologies (LEIT - International Cooperation, Future Internet, Content, Robotics and Autonomous Systems, Key enabling Technologies) and each of the Societal Challenges (Health, Food Security and Agriculture, Energy, Transport, Environment, Inclusive and Reflective Societies, Secure Societies) Work Programmes.

Overview of ICT-39-2017 Call

IST-Africa Report on ICT Initiatives and Research Capacity in IST-Africa partner countries provides an overview of the current ICT Initiatives, Research Capacity, mapping of thematic priorities and research capacity in the context of the ICT-39 H2020 Call and updated mapping of research priorities under Horizon 2020 in Angola, Botswana, Burundi, Cameroon, Egypt, Ethiopia, Kenya, Lesotho, Malawi, Mauritius, Mozambique, Namibia, Senegal, South Africa, Swaziland, Tanzania and Uganda as at January 2016. ISBN No: 978-1-905824-47-2. This is a valuable reference report to assist in identifying partners for inclusion in ICT-39 Proposals.

## H2020 ICT-39-2017 Call for Proposals (Innovation Actions, deadline 25 April '17)

IST-Africa provided the European Commission with evidence to include two dedicated calls for ICT and Innovation-related cooperation between Europe and Africa - ICT-39-2015 (which was very successful and funded four projects out of 45 proposals) and ICT-39-2017 (deadline 25 April '17, budget €13 million).

The ICT-39-2017 Call for Proposals (deadline 25 April 2017) provides a unique opportunity for African institutions undertaking Research and Innovation to co-design an Innovation Action based on addressing end-user requirements in sub-Saharan African countries in cooperation with European partners. See http://www.ist-africa.org/home/files/IST-Africa_ICT-39-2017_Overview.pdf

The ICT-39-2017 call provides an opportunity for **multidisciplinary teams** incorporating thematic experts (e.g., Health, Agriculture, Environment) and ICT experts to co-design an Innovation Action based on **end-user requirements in sub-Saharan Africa**. Innovation Actions have **limited research and development** related to **adaptation of existing technology**. It is expected that any research related to the challenge to be addressed and understanding of the state of the art in the thematic area is already undertaken and demonstrated in the proposal submitted. Since **demonstration and market validation** is the primary focus of an Innovation Action, the consortium must demonstrate relevant links with end-

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user communities who will be involved in the validation process and this needs to be clearly demonstrated in the proposal submitted.

See https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ict-39-2016-2017.html

## IST-Africa Horizon 2020 Workshops focused on ICT-39-2017

IST-Africa presented African research capacity and priority areas in the context of the ICT-39-2017 Call during the International Cooperation session during ICT Proposers Day in Bratislava on 26 September.

IST-Africa is organising a series of Horizon 2020 Training Workshops in Africa from late October - December 2016 to raise awareness of the ICT-39-2017 Call and other relevant calls focused on strategic engagement with Africa. Workshop agenda and venues will be published on http://www.ist-africa.org/home/default.asp?page=horizon2020ws as details are finalised.

While there is no charge for participation at the IST-Africa Workshops, **pre-registration is required**, directly with the national IST-Africa partner or via secretariat@IST-Africa.org. Participants are responsible for any travel costs incurred.

- 26 October 2016, NamPower Convention Centre, Windhoek, Namibia (organised by National Commission on Research Science and Technology, Namibia)
- 31 October 2016, Maseru, Lesotho (organised by Department of Science and Technology, Lesotho)
- 02 November 2016, Mbabane, Swaziland (organised by Ministry of ICT, Swaziland)
- 10 November 2016, Nairobi, Kenya (organised by Ministry of Education Science and Technology)
- 14 November 2016, Dar es Salaam, Tanzania (organised by COSTECH)
- 17 or 18 November 2016, Gaborone, Botswana (organised by Ministry of Transport and Communications, Botswana)
- 21 November 2016, Addis Ababa, Ethiopia (organised by Ministry of Communications and Information Technology, Ethiopia)
- 28 November 2016, Lilongwe, Malawi (organised by National Commission for Science and Technology, Malawi)
- 09 December 2016, Kampala, Uganda (organised by UNCST)
- 09 December 2016, Yaounde, Cameroon (organised by ANTIC)
- 14 December 2016, Mauritius (organised by National Computer Board)

## IST-Africa 2016 Conference Proceedings

The IST-Africa 2016 Conference Proceedings, which incorporates over 140 double blind peer reviewed papers, is available in the IST-Africa paper Repository on an open access basic to the IST-Africa community.

Papers accepted for inclusion in the Proceedings and physically presented during the event are also published via IEEE Xplore.

## IST-Africa Reports

Download IST-Africa Reports to learn more about the ICT Innovation ecosystem and ICT Research Capacity.

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## IST-Africa Project Repository

Visit the IST-Africa Project Repository to research projects and stakeholders involved in previous successful projects in your thematic area

## IST-Africa Organisational Repository

Visit the IST-Africa Organisational Repository to identify potential partners

## Upcoming Events

- 26 October 2016, IST-Africa Horizon 2020 Workshop, Windhoek, Namibia
- 31 October 2016, IST-Africa Horizon 2020 Workshop, Maseru, Lesotho
- 02 November 2016, IST-Africa Horizon 2020 Workshop, Mbabane, Swaziland
- 03 - 04 November 2016, UbutuNet Connect 2016, Kampala, Uganda
- 10 November 2016, IST-Africa Horizon 2020 Workshop, Nairobi, Kenya
- 14 November 2016, IST-Africa Horizon 2020 Workshop, Dar es Salaam, Tanzania
- 17 or 18 November 2016, IST-Africa Horizon 2020 Workshop, Gaborone, Botswana
- 21 November 2016, IST-Africa Horizon 2020 Workshop, Addis Ababa, Ethiopia
- 28 November 2016, IST-Africa Horizon 2020 Workshop, Lilongwe, Malawi
- 09 December 2016, IST-Africa Horizon 2020 Workshop, Kampala, Uganda
- 09 December 2016, IST-Africa Horizon 2020 Workshop, Yaounde, Cameroon
- 09 December 2016, Deadline for IST-Africa 2017 Call for Papers
- 14 December 2016, IST-Africa Horizon 2020 Workshop, Mauritius

## Contact Details

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