

Revision of the FP7 ICT Work Programme (2009/10): Status and perspectives

EuroAfrica-ICT Group

31 January 2008
Brussels

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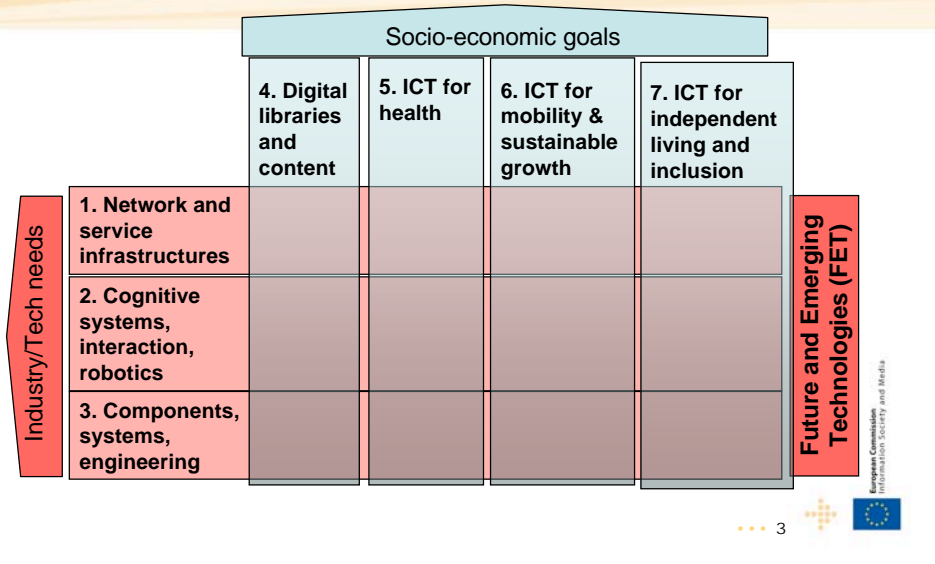
Outline

- FP7 Phase I (2007-08): where are we?
- 3rd country and sub-Saharan African participation in FP6 and FP7 so far
- FP7 Phase II (2009-10): current planning
- Opportunities for international cooperation in future calls
- Summary and conclusion

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ICT Work Programme structure



Looking ahead to next phase of FP7

Strategy

- Facing up increasing global competition..
- .. but also exploiting new opportunities for Europe
- 7 years stability
- Increased budget (~30% over period)

Content

- Starting from a more structured environment (European Research Area – European Technology Platforms..)
- More focus – more risk – 5-10 years horizon
- Complementarity of instruments (eg. Competitiveness and Innovation Programme)
- 7 challenges + FET
 - Reinforce strongholds
 - Many new opportunities from 1/ technology 2/ applications

Approach

- Keep a balanced portfolio
- New funding rates (75%: public bodies, research, higher education..)
- More flexibility
 - Instruments have stabilised
 - Guarantee mechanism to replace financial collective responsibility
 - No financial viability check < 500K

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ICT Call 1 – Opened: 22 December 2006
Closed: 8 May 2007

-> Completed: 318 projects retained

ICT Call 2 – Opened: 12 June 2007
Close: 9 Oct 2007

-> Project negotiations: 150 projects retained



ICT Call 3 – Open: 4 Dec 2007 Close: 8 April 2008

<i>Challenge 2:</i>	Budget
1. Cognitive systems, interaction, robotics	97 M€
<i>Challenge 4:</i>	
1. Digital libraries and technology-enhanced learning	50 M€
2. Intelligent content and semantics	50 M€
FET Proactive	
4. Science of complex systems for socially intelligent ICT	20 M€
5. Embodied intelligence	20 M€
6. ICT forever yours	20 M€
Horizontal support actions	
International cooperation	5 M€



Sub-Saharan African participation in FP6 and FP7 so far



FP6

Who?

CSIR - COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH
ECOLE SUPERIEURE POLYTECHNIQUE
ICT POLICY IMPLEMENTATION TECHNICAL UNIT
MINISTRY OF COMMUNICATIONS, SCIENCE AND TECHNOLOGY
Panos Institute West Africa
TANZANIA COMMISSION FOR SCIENCE AND TECHNOLOGY
UNIVERSITY OF ADDIS ABABA
UNIVERSITY OF CAPE TOWN
UNIVERSITY OF DAR ES SALAAM
UNIVERSITY OF MALAWI
UNIVERSITY OF MAPUTO
UNIVERSITY OF THE WESTERN CAPE

South Africa
Senegal
Mozambique
Botswana
Senegal
Tanzania
Ethiopia
South Africa
Tanzania
Malawi
Mozambique
South Africa

What?

- ✓ ICT for health
- ✓ ICT for cultural heritage
- ✓ Open Source Software
- ✓ Human-machine interfaces

- ✓ Regional Impact of IST in Africa
- ✓ Support to S&T cooperation between the EU & sub-Saharan Africa in the ICT sector

Participations: 15
Funding: 1.35M€



FP7 Call 1

Who?

Creative Commons Nigeria start up	Nigeria
Ghana India Kofi Annan Centre of Excellence in ICT	Ghana
GS1 South Africa	South Africa
ICT Policy Commission	Mozambique
Kigali Institute of Science and Technology	Rwanda
Makerere University	Uganda
Meraka Institute of the CSIR	South Africa
Meraka Institute of the CSIR	South Africa
Ministry of Communications, Science and Technology	Botswana
Ministry of Education - Namibia	Namibia
ONEVILLAGE FOUNDATION GHANA	Ghana
Panos Institute West Africa	Senegal
Stellenbosch University	South Africa
Tanzania Commission for Science and Technology	Tanzania
Uganda National Council for Science and Technology	Uganda
University of the Western Cape	South Africa
Wits Enterprise (Pty) Ltd	South Africa

What?

- ✓ Inclusive and accessible ICT
- ✓ Open source software
- ✓ RFID standardisation
- ✓ Nanoelectronics

- ✓ Support to S&T cooperation between the EU & sub-Saharan Africa in the ICT sector
- ✓ Support to EU-African authorities dialog

Participations: 18
Funding: 1.1M€



European Commission
Information Society and Media



Who?

CENTRE DE SUIVI ECOLOGIQUE	SENEGAL
COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH	SOUTH AFRICA
CSIR	SOUTH AFRICA
FEDERAL UNIVERSITY OF TECHNOLOGY MINNA	NIGERIA
INSTITUT D'ECONOMIE RURALE	MALI
UNIVERSITÉ DE YAOUNDÉ	CAMEROON
UNIDADE TÉCNICA DE IMPLEMENTAÇÃO DA POLÍTICA DE INFORMÁTICA	MOZAMBIQUE

What?

- ✓ ICT for Risk and Disaster Management

Participations: 7
Funding: 860K€



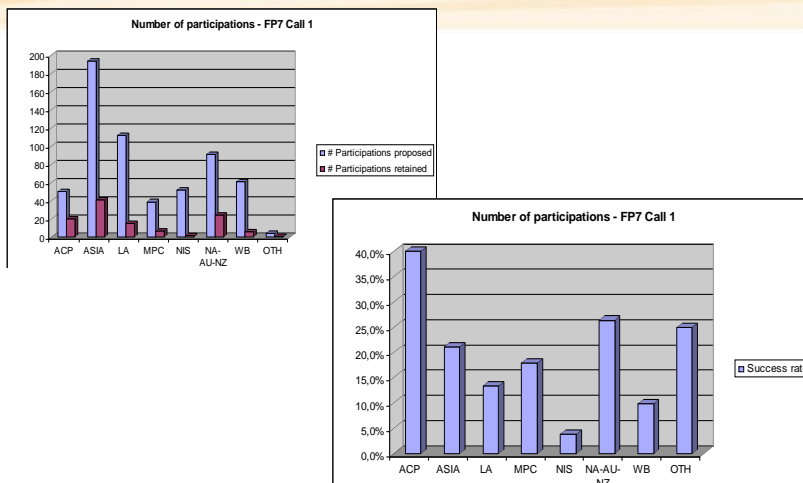
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European Commission
Information Society and Media



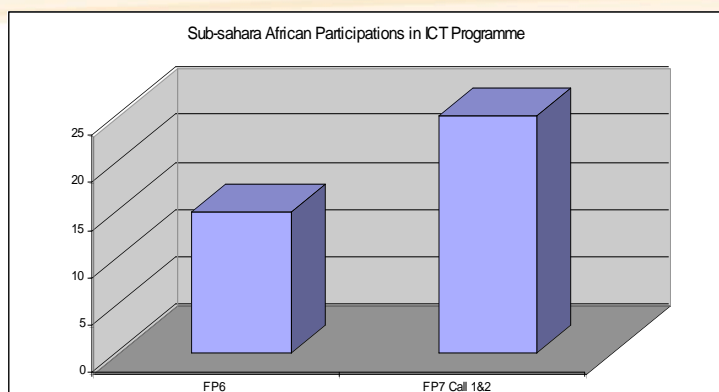
Africa(/Caraib/Pacific): a high success rate in FP7 so far



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Evolution FP6 to FP7



Participations: 15 to 25 > +66%
Funding: 1.35M€ to 1.96M€ > +45%

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Work Programme 2009-10 preparation

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Work Programme 2009-10 preparation

- Preparation has started
- Consultations: thematic, Advisory Group, ICT Committee..
- Overall, programme expected to remain stable
- First draft to be discussed with Committee around May/June 08
- Calls for proposals end 2008 and in 2009

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Main principles for WP 09-10

- Continuity:
 - 2 years WP
 - Stability and sufficient visibility to the constituency
 - Challenges expected to remain relatively stable but may be refined
- Adaptation:
 - Within Challenges, objectives to be adapted to technological evolutions, socio-economic developments and lessons from first calls
 - Existing objective to be reworked, replaced or removed
- Complementarity with JTIs and Art.169 initiative:
 - WP sections addressing research areas in which JTIs/169s will be launched in 2008 to be reviewed
 - Complementarity of objectives and clarity to proposers

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Opportunities for international cooperation in future calls

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Confirming the main objectives of international cooperation

- 1/ Jointly respond to major global technological challenges by developing interoperable solutions and standards
 - Eg. *future internet, secure networks and critical infrastructure, global service platforms and value chains, next-generation information retrieval systems...*
- 2/ Jointly develop ICT solutions to major global societal challenges
 - Eg. *ICT for the environment, ICT for energy efficiency developments, smart mobility, ICT for health and ageing challenges*
 - Eg. *addressing development issues through ICT*
 - Eg. *establishing a long-term partnership with low-income countries*
- 3/ Improve scientific and technological cooperation for mutual benefit
 - Eg. *digital TV and cinema, nano-electronics, embedded systems, photonics, complex systems and bio-informatics systems....*
 - Eg. *promoting cultural diversity and mutual understanding through ICT*

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Implementation

- General opening to participation of third country organisations
- Encouraging the participation of third country partners in particular objectives
- Specific International Cooperation Actions (SICAs): collaborative research projects with "partner" countries in areas of mutual interest
- Support actions
 - *Support to information society policy dialogues*
 - *Contribute to increasing the participation of third country organisations*
 - *Facilitate the widest diffusion and local exploitation of ICT research results.*

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Options for targeted actions with African sub-Saharan organisations

- [major global technological challenges]
 - ICT trust and security
 - Software/services and RFID standardisation
- [ICT solutions to major global societal challenges]
 - ICT for health
 - ICT for urban management and mobility
 - Low-cost internet technologies, applications and tools
- [scientific and technological cooperation]
 - Long-term research for future long-term partnerships (eg. FET-Open, photonics, complex systems research...)

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Summary

- The first phase of FP7 is now well under way with Call 3 still opened
- Sub-Saharan African participation has already risen significantly with respect to FP6 levels
- Preparation for the next phase (2009-10) has started and various options are under consideration to further reinforce cooperation
- This will be part of a more ambitious strategy towards cooperation with 3rd countries
- In addition to research in important application areas, this could include activities in advanced longer term research with a view to developing long-term scientific partnerships

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More information

- FP7 call information: cordis.europa.eu/fp7/
- FP7 ICT Programme : cordis.europa.eu/fp7/ict/