

**All African GLOBELICS Seminar on  
Innovation and Economic Development  
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**Promoting Africa - Europe Research  
Infrastructure Partnerships (PAERIP)**

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# Agenda

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- Definition - Research Infrastructure (RIs)
- Background
- Consortium Members
- Governance
- PAERIP at a Glance
- Concept of PAERIP
- PAERIP Focus
- Conclusion

# Research Infrastructures (RIs)

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**According to:** *European Strategy Forum on Research Infrastructures (ESFRI)*

- ❑ **Facilities, resources, and related services used by the scientific community for**
  - ❑ Conducting leading-edge research
  - ❑ Knowledge transmission, knowledge exchanges and knowledge preservation

## **Includes**

- ❑ Major scientific equipment
- ❑ Scientific collections, archives and structured information
- ❑ ICT-based infrastructures
- ❑ **Where are the Research Infrastructures?** *Research infrastructures may be "single-sited", "distributed", or "virtual" (the service being provided electronically).*

# Background - PAERIP

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- **Main objective** - Promote Research Infrastructure (RI) Partnerships between Europe and Africa in all S&T fields
- **PAERIP Duration** - 2 Years (April 2011-April 2013)
- **PAERIP Budget** - € 450 000
- **PAERIP funder** - European Union's FP7 as a Support and Coordination Action
- **Activities** - studies, conferences/workshops/seminars, coordination actions, networking, policy development and dialogue, international cooperation
- **Focus** - large RI in as opposed to dealing with a microscope in a laboratory - single-sited, distributed and national facilities of global magnitude

# PAERIP Consortium Members

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## Africa

- ❑ Department of Science & Technology - **South Africa**
- ❑ Technoscene (Pty) (Ltd) - **South Africa**
- ❑ Ministry of Higher Education Science & Technology – **Kenya**
- ❑ Ministry of Higher Education and Scientific Research – **Egypt**

## Europe

- ❑ Association of Commonwealth Universities - **United Kingdom**
- ❑ Sigma Orionis – **France**
- ❑ Ethniko Idryma Erevnon – **Greece**
- ❑ ISC Intelligence in Science – **Belgium**

***8 consortium partners split equally between Africa and Europe***

# Governance – PAERIP

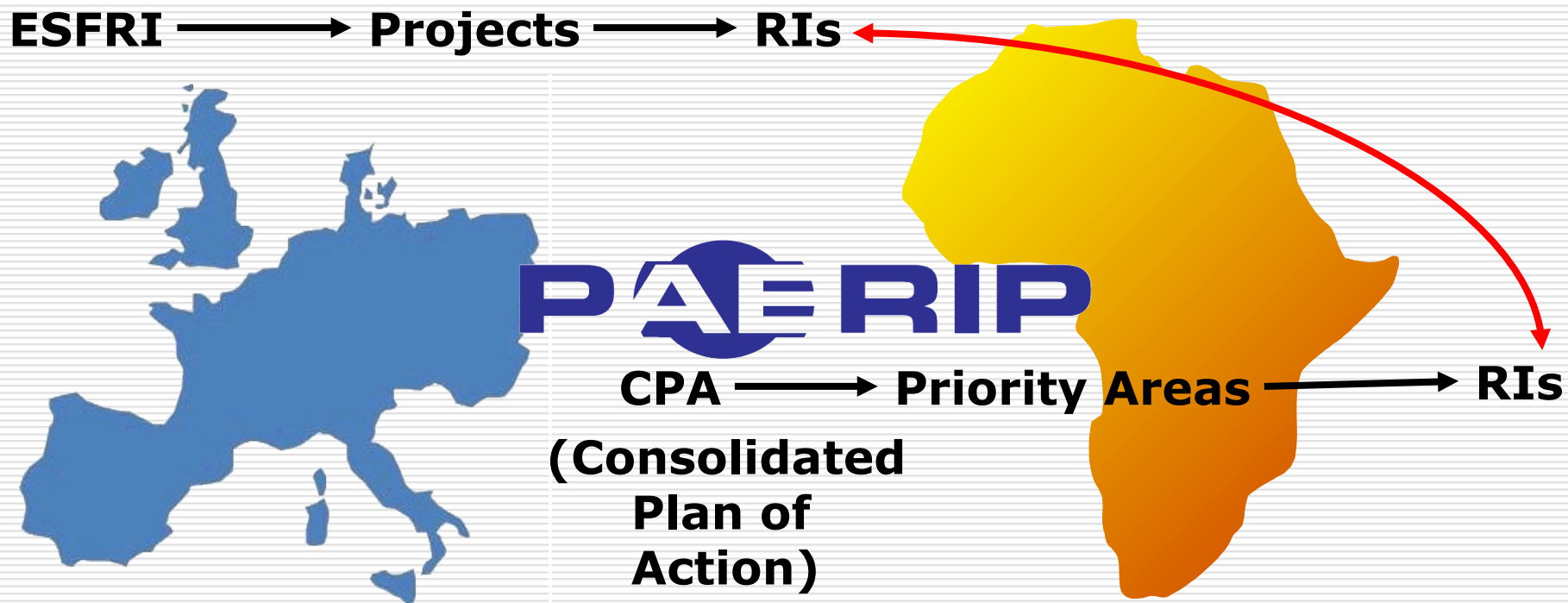
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- Department of Science and Technology - **PAERIP Coordinator - South Africa**
- Advisory Board
- Steering Committee

***1<sup>st</sup> time FP7 Project is Being Coordinated from Africa***

# PAERIP at a Glance

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# Concept of the PAERIP

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- **Joint Africa- European Union Strategy** - Includes partnership initiative on Science, Information Society and Space (launched in October 2007 in Ethiopia)
- **Priority 1** - Capacity Building for implementation of African Union (AU) Science and Technology Consolidated Plan of Action (CPA).
- **Expected outcomes** - Include improved pan-African infrastructure and facilities for R&D; development of STI evidence-based Africa-EU policy making, main actions earmarked to address the missing links in existing networks, harmonize transport policies, develop integrated water management, develop cross-border and regional energy infrastructure and promote efforts to bridge the digital divide (ICT Services)



# Concept of the PAERIP

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- Recent establishment of the NEPAD Planning and Coordinating Agency (NPCA) in February 2010 as technical implementation body of the AU
- African Union Commission – Secretariat of the AU – Commission on Human Resources, Science and Technology
- Alignment with AU's S&T Consolidated Plan of Action – 5 cluster flagship programmes
  - Biodiversity, Biotechnology and Indigenous Knowledge
  - Energy, Water and Desertification
  - Material Sciences, Manufacturing, Laser Technologies and Post-Harvest Technologies
  - ICT and Space Sciences
  - Mathematical Sciences

# Concept of the PAERIP

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- Create a policy dialogue and strong voice within the continent on Research Infrastructures (RIs)
- South Africa – Developing the national roadmap on Research Infrastructure through European Union- Trade, Development and Cooperation Agreement (TDCA)
- To learn from Europe's experience and ESFRI Roadmap(2008)

# Specific Objectives – PAERIP

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- Promote African-European cooperation opportunities related to existing Research Infrastructures
- Explore opportunities for African European cooperation in developing new research infrastructures
- Promote African-European research infrastructure policy dialogue including on development impact
- Advance Information, advisory and support services for African-European research infrastructure cooperation.

# PAERIP Focus

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- Developing an inventory of Research Infrastructure (RIs)
- Developing recommendations on how to improve mutual access of Research Infrastructure (RIs)
- Identification of opportunities to improve African-European research cooperation using existing research infrastructures specifically within the context of the FP7 research and Beyond “Horizon 2020”
- Influencing future activities and those of the next Framework Programme (Horizon 2020)

# Research Infrastructure Questionnaire

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- **MoHEST PAERIP Work Package** - Funding Tools, Social Economic Impact of Research Infrastructure and (RIs) Consultative Experts group meeting.
- **Questionnaire**; Reflecting on Science and Technology Funding Tools and Social Economic Impact of Research Infrastructure among others.
- **Request** - participants to respond to the questionnaire and distribute it further.

# Thank You

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AND TECHNOLOGY - KENYA**

