e-Infrastructures for e-Science: GÉANT and AfricaConnect

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Environment, natural disasters, sustainable growth, global warming, crisis management, digital inclusion, fight against poverty, cybercrime, aging, HIV/AIDS, TB, malaria, pandemics…

• Scientific progress more important than ever
• Science as a collaborative enterprise
  • …national, regional and global level
• ICT a key enabler
  • Bringing together researchers, sharing resources, accessing information, data and facilities
  • Towards e-Science enabled by e-Infrastructure
  • …but not all world regions have the same access to ICT

⇒ Sub-Saharan Africa can benefit from e-Infrastructure development like any other region
⇒ EC/INFSO prepares roadmap to extend research networking to Africa
Global Dimension of GEANT
e-Infrastructures for e-Science

Sharing and federating scientific data
Sharing computers, software and instruments
Linking at the speed of the light

Scientific facilities
Council of EU SG Africa-EU Strategic Partnership (June 2008); Partnership 8 for Science, Information Society and Space

**Objectives:**
- Reduce Double Divide: Scientific and Digital
- Reinforce use of ICT as means to growth, socio-economic development and to reduce poverty

**Expected results:**
- ICT infrastructures: sustainable, durable, efficient and accessible
- ICT applications in line with the Millenium Development Objectives (e.g. Health, Education)

**Activities:**
- Reinforce the development of African Regional Research and Education Networks and their interconnection to GEANT (*AfricaConnect*).
- …
A Regional Research Network for Africans and by Africans

- A tool for collaboration and sharing (mutual benefit)
  - irrespective of location and distance
- Joining forces to face today’s challenges
  - regional and global
- Bridging the digital divide
- Fighting the “brain-drain”.
From GEANT presence and cooperation with Latin America (ALICE2-RedClara), North Africa and Middle East (EUMEDconnect), TEIN3 (South East and Central Asia):

- Good communication with all stakeholders and beneficiaries
- Connect progressively and facilitate articulation of national and regional initiatives
- Integration of all stakeholders’ needs
- Negotiation capacity - build substantial policy support and ensure financial sustainability
- Develop adequate regulatory frameworks
- Monitor and evaluate e-Infrastructure impacts
- Build awareness
www.cordis.europa.eu/fp7/ict/e-infrastructure/

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