

FEAST

Project



Feasibility Study
African European Research and Education Network Interconnection

Applications in the context of African-European collaboration

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FEAST has been made possible by funding from:
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Networks and Applications

- **Networks need applications**
 - Communication
 - Cooperation
 - Collaboration

⇒ **Applications**
- **Applications need networks**
 - Reliable connectivity
 - Secure data transfer
 - Skilled people





About AfricaConnect/FEAST

- **Bring the research and education community of Africa, Europe and other parts of the world closer together**
- **Improve connectivity**
 - between the continents
 - within African countries and regions (development of NRENs/RRENs)
- **Promote application projects**
- **Support capacity building**

For the benefit of all





Lighthouse Demonstrators

- **Application projects to**
 - **demonstrate the need and benefit of AfricaConnect/FEAST**
 - **raise awareness amongst R&E community**
 - **attract new users and increase network usage**
- **Criteria**
 - **high degree of collaboration and social impact**
 - **need of reliable connectivity and bandwidth**
 - **active partners in several African and European countries**





Application Scenarios

- **Areas**
 - **Agriculture** (crop research, sustainable farming)
 - **Education/eLearning** (distance learning, international classes, learning materials)
 - **Environment** (water management, climate research, desertification mitigation)
 - **Health** (drug research, telemedicine)
 -
- **Techniques**
 - **Video conferencing**
 - **Grid Computing**
 - ...





Experience and Examples

- **ALICE/CLARA**



Evidence Based Telemedicine for Remote and Rural Underserved Regions in LA using e-health Platforms

- **EUMEDCONNECT**



EUMEDCONNECT2 Case Study
ICT-LEAP: Leaping barriers to education through e-learning



- **TEIN**



TEIN2's links to Europe allow images processed in Europe Centre) to government authorities in Jakarta.



Examples

- **HPLC (High Pressure Liquid Chromatography)**
 - Labs for drug control using liquid chromatography
 - Tanzania/Uganda in cooperation with SE
- **Nile Basin Project**
 - Impacts of Climate Change on the Nile Flows and Future Water Management in the Nile Basin
 - 10+ African countries participating
 - Several international partner





Capacity Building

- **Skilled people are needed**
 - to operate the networks
 - to develop advanced application
 - to support the usage of application
- **Capacity building will be related to**
 - network implementation and operation
 - Lighthouse demonstrators / application projects





Target FEAST Results

- **Lighthouse Demonstrators**
 - Present examples of existing and potential new projects
- **Capacity building**
 - Identify methods and interested partners



Template for "Call for Proposals"



Target FEAST Results

- **If you are involved or know about running or planned projects, let us know:**
 - **What are the objectives**
 - **Who is involved**
 - **Which techniques are used**
 - **What is the current situation (connectivity)**
 - **What are the demands**



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Thanks for your attention!

Please contact me:

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