



African-European Radio Astronomy Platform

Working Breakfast of the European Parliament's AERAP Group

18 June 2013



African-European Science Cooperation: addressing shared global challenges

AERAP Framework Programme for Cooperation

Purpose and Evolution



AERAP's objective: define and implement priorities for radio astronomy cooperation between Africa and Europe in order to implement the Written Declaration 45/2011



Step 1: Thematic Workshops in 2012



Step 2: Preparation of draft Framework Programme with input from several AERAP members

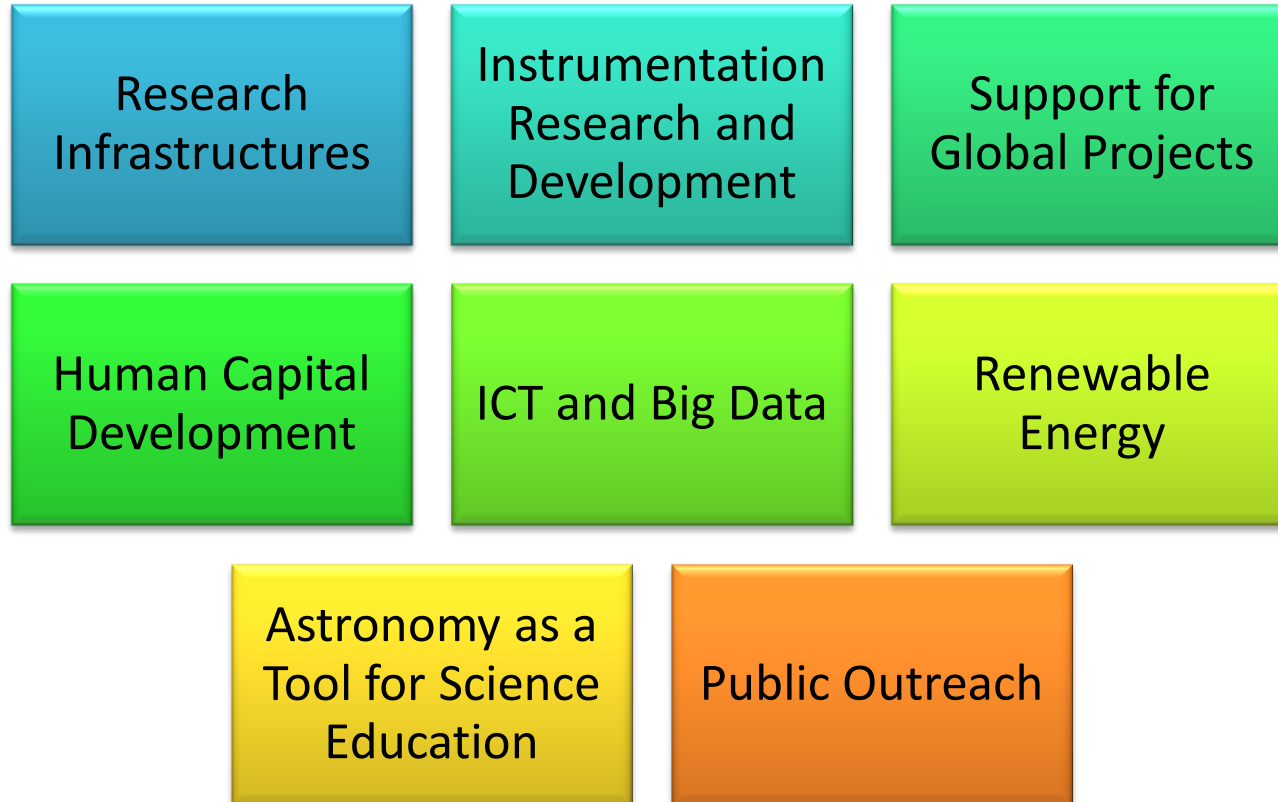


Step 3: Discussions at workshops and fora to further develop the Framework Programme

AERAP Framework Programme for Cooperation



- Thematic priorities:



Background – Objectives – Key Actions

AERAP Framework Programme for Cooperation



- Key actions (selection):
 - Develop content delivery networks for global distribution system of science data and better data streaming
 - Pilot training programme for engineers and technicians to maintain and operate the Africa VLBI network
 - Development of cloud based techniques as applied to radio astronomy problems such as the search for pulsars and transients
 - Form an international centre for radio astronomy education and training
 - Develop innovative ways of teaching astronomy by means of e-Science technologies

The African-European Radio Astronomy Platform



• Participants

- ASTRON (Netherlands Institute for Radio Astronomy)
- European Industrial Engineering SRL, Italy
- Ghana Space Science and Technology Centre, Ghana
- Goonhilly Earth Station Ltd., United Kingdom
- IBM
- INAF Institute for Radio Astronomy, Italy
- Institute for Astrophysics Andalucia
- Institute for Telecommunications, Portugal
- JIVE - Joint Institute for VLBI in Europe
- Leiden Observatory, Netherlands
- Max Planck Institute for Radio Astronomy, Germany
- Nokia Siemens Networks
- NOW (Netherlands Organisation for Scientific Research)
- Omnisys Instruments, Sweden
- Onsala Space Observatory, Sweden
- Rhodes University, South Africa
- Science & Technology Facilities Council, United Kingdom
- SKA South Africa
- SKA Organisation
- University of Cambridge, United Kingdom
- University of Leeds, United Kingdom
- University of Oxford, United Kingdom
- CIGGE-University of Porto , Portugal
- University of Zambia

Thank you for your attention!



Further information on AERAP:

www.aerap.org

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