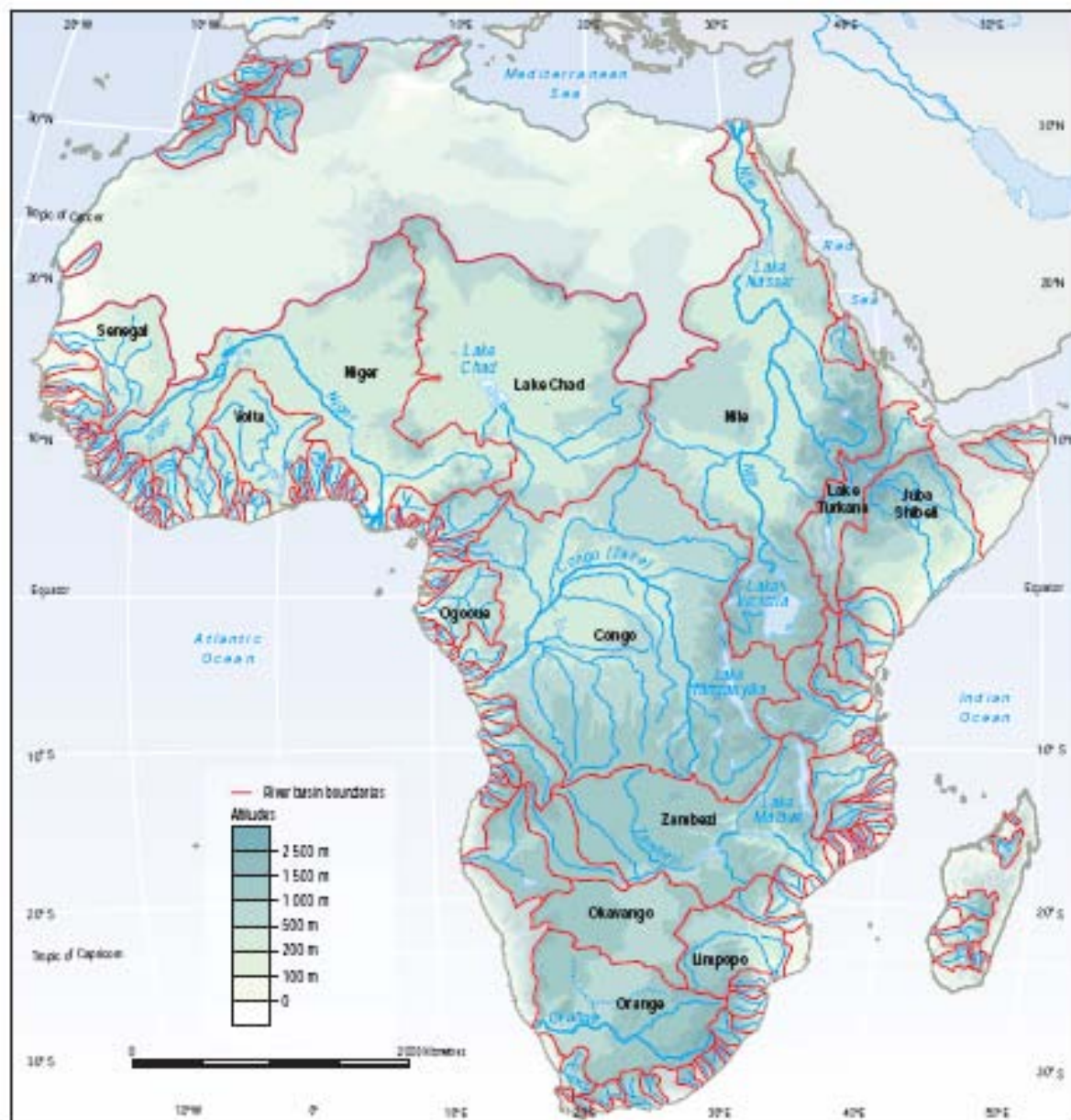


Report of the African Task Team on Water Sciences and Technology Development



Figure 1: Africa's water resources

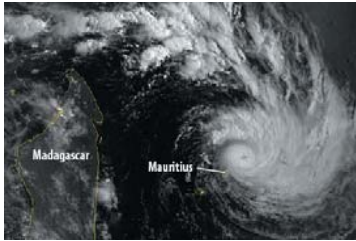


Source UNEP 2002; Data from Renango and others 1998, Rekowicz 1996, Whifford others 1999

Key issues and priorities

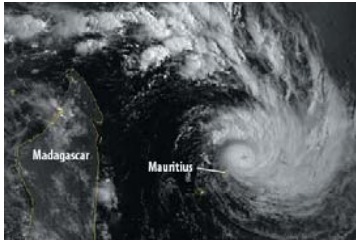
1. Will there enough water to support social and economic development (including environmental obligations) taking into account:
 - Climate variability and change (droughts and floods)
 - High population growth and urbanization rates
 - Overexploitation of water resources
 - Pollution of water resources
2. Will reforms in the water sector lead to:
 - Bringing us closer to the millennium development goals (MDGs)?
 - Ensuring broad and effective participation in water resource management (including contributing to good governance of water resources)?
3. Will inadequate human capacity, knowledge and data compromise addressing (1) and (2)?
4. Will inadequate financial resources and institutional arrangements compromise addressing (1) and (2)?

2nd AMCOST



- **Securing and Sustaining Water**
 - Scientific assessment of Africa's water resources and systems
 - Research and technologies to assess and monitor water-related disasters (emphasis on floods and drought)
 - Knowledge and technologies to improve water quality and quantity (+sanitation)

Scope



- **Improve the conservation and utilization of the continent's water resources**
- **Improve the quality and quantity of water available to rural and urban households**
- **Strengthen national and regional capacities for water resource management and reduce impacts of water-related disasters**
- **Enlarge the range of technologies for water supply and improve access to affordable quality water.**



Mechanism

- **Continental network of centres of excellence**
 - Water research and development
 - Capacity building
 - Mentorship programmes
 - (Linking policy to science)





Expert Workshops



- **Nairobi, Kenya, 9th to 12th May 2005**
 - 60 experts from 20 African countries
- **Recommendation: Task Team**
 - Pretoria, South Africa, 27th to 29th July 2005
 - 9 experts from the 5 regions of Africa
 - Cairo, Egypt, 19th November 2006
 - 9 experts from the 5 regions of Africa
- **Organization: NEPAD, French Institute of Research for Development (IRD), UNEP and UNESCO with support from AMCOW**
- **Funding: NEPAD, UNEP, UNESCO and the French Ministry of Foreign Affairs**



United Nations Educational,
Scientific and Cultural Organization





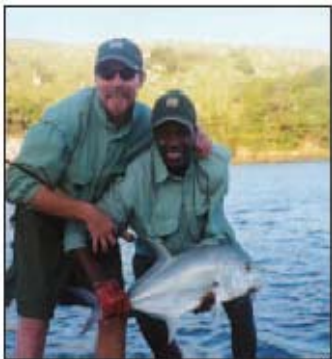
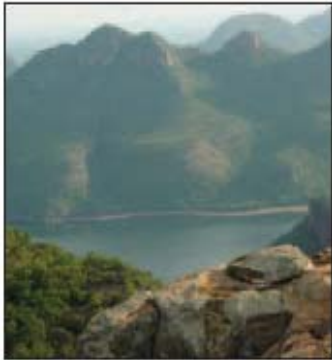
Terms of Reference

- Prepare criteria and guidelines identifying and designating centers or institutes to form the networks**
- Prepare proposals with indication of various options for governance and financing**
- Arrange an inter-ministerial dialogue bringing together bureaus of AMCOW and AMCOST to deliberate and make decisions regarding the governance and financing the networks.**

Implementation of Plan

- **Stakeholder relationships**
- **Attracting Financial Resources**
- **Learning and innovation**

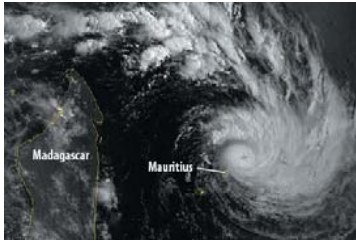




Stakeholder relationships

- **Mobilisation of political support**
- **Feedback with regard to the relevance and effectiveness of the programme**
- **Addresses a number of identified strategic opportunities**
 - **Positioning of the networks**
 - **Change (in Africa and globally)**
 - **Strategic alliances.**

Implementation of activities

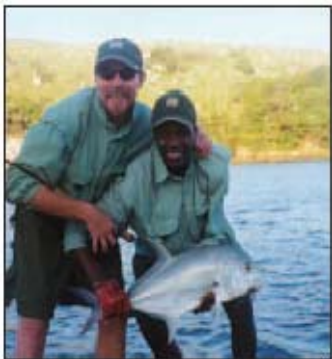
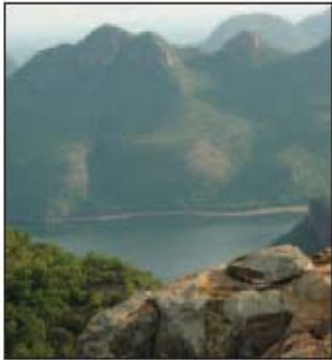


- **Positioning**
 - Extra-ordinary conference of AMCOST
 - AU Summit 2007: Scientific Research, Technology and Innovation for Africa's Socio-economic Development
 - AMCOW

- **Feedback and relevance**
 - Citations
 - Media
 - Forums
 - Political leaders

- **Global partnerships (involvement global projects, etc.)**

Finances



- **Mobilisation of financial resources**
 - **Income growth**
 - **Target of 2 million USD**
- **Support the development of proposals to possible funding organizations**
 - **ACP EU Water Facility**
 - **French Ministry of Foreign Affairs etc.**

African Water

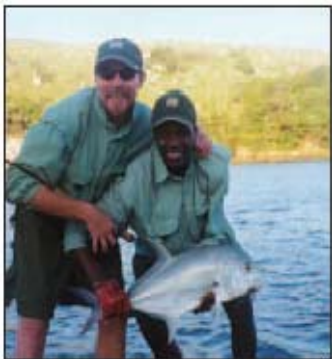
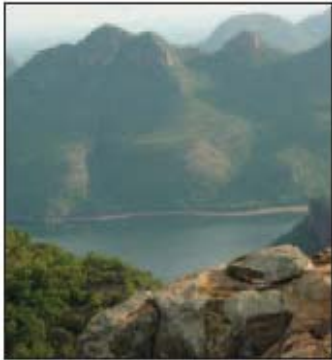


- **European Union (EU) funded project to promote the involvement of African water researchers in their Framework Programme (FP7), including other bilateral scientific endeavours**



African Water

WP	Title	Summary
1	Information, Training and Communications	Written material will support information, training and dissemination activities, web site, brochures, posters, etc
2	Working through Existing Networks	A database of African researcher and research organisation will be used to manage information on African researchers, and to be a tool in partner searches.
3	African Outreach	Activities in Africa, such as training sessions, dissemination, displays and conferences will be used for outreach and building expertise.
4	Africa meets the Commission	A delegation of African researchers will visit Brussels during launch of FP7, to meet key EU programme officers and information providers



Learning and innovation

- **This aim is to contribute towards the executing the networks**
 - **Establishment and maintenance of a database of African water institutions and experts**
 - **Develop a comprehensive business plan for 2007 – 2012**
 - **Identify nodes i.e. centres to submit submissions**
 - **e.g. the UNEP project on “Vulnerability of Africa Water Resource to Environmental Change”**





UNEP/DEWA/RS

Facing the Facts

ASSESSING THE VULNERABILITY
OF AFRICA'S WATER RESOURCES
TO ENVIRONMENTAL CHANGE



AFRICA ENVIRONMENT OUTLOOK 2

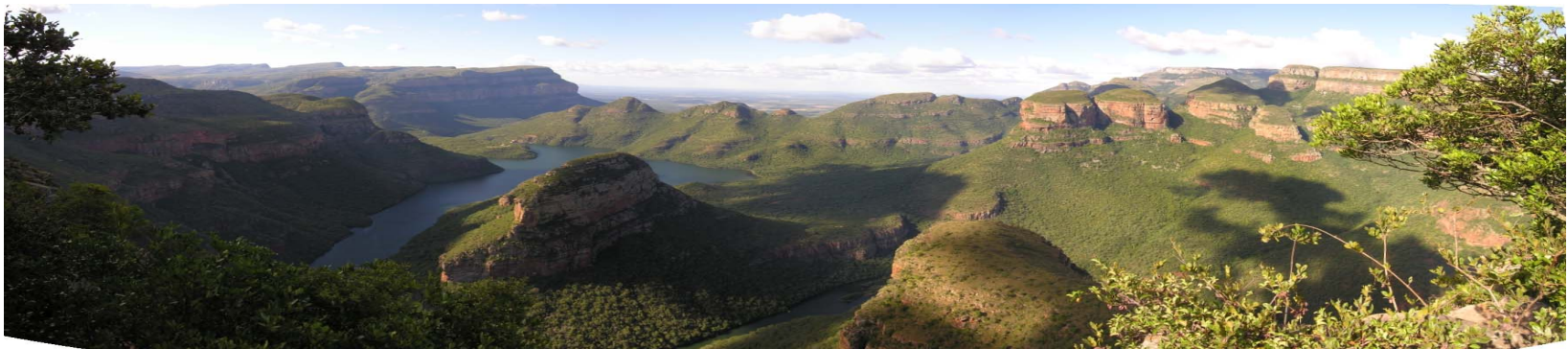
.....
Our Environment, Our Wealth





Conclusion

- **Submission of centers to prepare and submit their institutional capacity profiles**
- **Implement resolutions to:**
 - **Select appropriate centers and formally designate them as Africa's centers excellence in water sciences and technology**
 - **Promote and support the development of proposals by the institutes**
 - **Governance and financing mechanisms**



Thank You

