

START's Input to the SBSTA 30 Research Dialogue

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3 June 2009



Build capacity for global environmental change science

- Research and assessment
- Education
- Climate risk communication for decision support at local and national scales



START's support for research priorities of SBSTA 26

- Research capacity-building activities
- Research priorities and gaps
- Relevant communication issues
- Regional climate change research networks



Research capacity-building activities

1. African Climate Change Fellowship Programme
2. Global Environmental Change Grants Programme
3. Capacity building for biodiversity conservation in the Albertine Rift project

Research capacity-building activities

1. African Climate Change Fellowship Program

Fellowships to support adaptation research

Post-doctoral, Doctoral, Policy, and Teaching

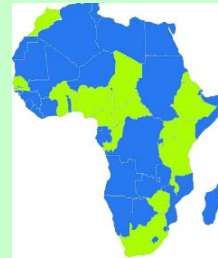


Agriculture

- ✧ Impacts on commodity crops
- ✧ Crop and livestock production in semi-arid environments
- ✧ Farmer decision making processes

Ecosystem services

- ✧ Productivity of fisheries
- ✧ Forest conservation
- ✧ Mangrove conservation
- ✧ Local and traditional knowledge of biodiversity



Climate science & meteorology

- ✧ LULCC effects on surface temperatures
- ✧ LULCC effects on Mesoscale convection
- ✧ Seasonal climate forecasts

Livelihoods and water

- ✧ Women's access to water

Research capacity-building activities

2. African Global Environmental Change Grants

- Improve knowledge of drivers and processes of environmental change
- Understand the sensitivity and adaptability of human and natural systems

African Global Environmental Change Grants

Ecosystem services

Montane tropical forests
 Biodiversity change in SW Africa
 Macroinvertebrate communities
 Wetlands function
 Coastal resources

Earth system

CC during the Holocene
 LUC and the C cycle

Pests and diseases

Crop parasites
 Tsetse fly
 Beneficial organisms

Livelihoods

Indigenous knowledge and adaptation
 Vulnerability to subsistence communities

Research capacity-building activities

3. Integrating CC into biodiversity conservation in the Albertine Rift

Educational program on climate change and biodiversity conservation

Building capacity for conducting place-based research and assessments



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- **Relevant communication issues**
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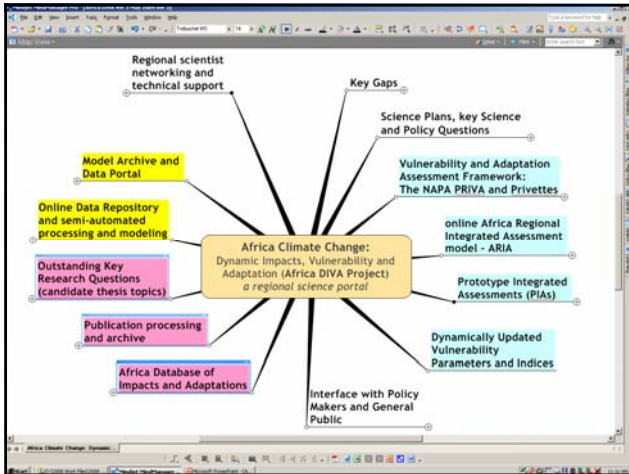
Relevant communication issues

- **Regional knowledge assessments**
 - START/WMO/IPCC/UNEP collaboration
- **Risk communication strategies for vulnerable communities (ACCCA)**
 - UNITAR/START/SEI/ENDA collaboration
- **Dynamic Impacts, Vulnerability, and Adaptation (Africa DIVA)**
 - START/Miombo Network/ Hadley Ctr.

DIVA

Address the information gap that constrains science in Africa

- Provide an *on-line collaborative platform* for scientists, managers and policy makers to dynamic assess impacts, vulnerability and adaptation
- Common platform for *design and application of models* that analyze and assess GEC in Africa, building on available models



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Regional climate change research networks

- Regional scientists and their institutions
- Practitioners and development professionals
- Project partners

Thank you





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