



African Science and Technology Consolidated Action Plan (Project Information)

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The Context

- Global insecurity is not only about ..., conflict, violence and
 - It is also caused by lack of water, food, education, health, energy, clean air and sustainable source of income, cost of communications – Examples: Malaria - ebola virus – Africa
Sorgum, Cassava
 - Climate change is exerting additional pressure on the developing economies.
- 👉 Renewed thinking for science, technology and innovation for Africa's socio-economic transformation



The New Partnership for Africa's Development - **Governance**

■ NEPAD is a **Socio-economic programme** of the African Union (AU);

- The **General Assembly** of the African Union;
- NEPAD **H**eads of **S**tate and **G**overnment **I**mplementation **C**ommittee (**HSGIC**);
- The NEPAD **Steering Committee**;
- **The NEPAD Secretariat** based in South Africa (incl.: **Science and Technology**, ICT, Agriculture, Education, Health etc...)

The Political Assertion (AU/ NEPAD)

- **A plan of action** that consolidates science and technology programmes of the African Union (AU) Commission and the New Partnership for Africa's Development (NEPAD);
- Roadmap for the improvement of scientific and technological infrastructure: **Africa's Science and Technology Consolidated Plan of Action (CPA)**;
- CPA erected on **three** interrelated **pillars**:
 - Capacity building
 - Knowledge production
 - Technological innovation.



www.nepadst.org



R&D Flagship Programmes

- Cluster 1: Biodiversity, Biotechnology, and Indigenous Knowledge;
- Cluster 2: Energy, Water and Desertification;
- Cluster 3: Material sciences, manufacturing, Laser Technologies and Post-Harvest Technologies;
- Cluster 4: ICTs and Space Sciences;
- Cluster 5: Mathematical Sciences.



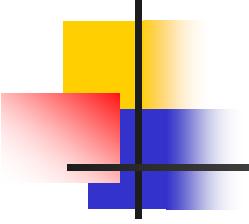
Progress

- R&D flagship programmes (biosciences, laser technology, mathematical sciences (AMINet), water and energy)
- Evidence-based studies (health innovation systems)
- African Science, Technology and Innovation Indicators (ASTII) Initiative
- Outreach
- (www.africa-union.org, www.nepadst.org)



ASTII Initiative

- Decisions of African Ministerial Council on Science and Technology (AMCOST) in 2003, 2005, 2007.
 - **AMCOST 2003** endorsed the compilation of indicators for scientific research, technological development and innovation activities;
 - **AMCOST 2005** called for the establishment of an African Intergovernmental Committee on African Science, Technology and Innovation Indicators



The Intergovernmental Committee Resolved:

- to define the scope of R&D indicators surveys to suit Africa's needs;
- to develop common understanding of what indicators are relevant, and why;
- to initiate both R&D and Innovation surveys in a selected number of countries.



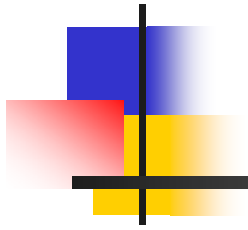
ASTII- Activities include (2008/2009):

- Designation of national focal points
- Development and adoption of survey guidelines
- Training of national survey teams
- Pilot survey
- Evaluation of pilot phase
- Experience sharing workshop
- National surveys
- Regional workshops and synthesis
- Production of African Science and Innovation Outlook



ASTII- Partnership

- Commitment by African countries;
- NEPAD with support from the **Swedish International Development Cooperation Agency (SIDA)**, is facilitating the development and implementation of the ASTII initiative; with the collaboration of the Research Policy Institute, Lund University, Sweden;
- Fostering links between NEPAD and other relevant institutions engaged in STI activities.



Thank you