African Network for Drugs & Diagnostics Innovation: (ANDI)

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www.andi-africa.org
Research and pharmaceuticals in Africa

Growing emphasis on pharmaceutical R&D, manufacture and local capacity building in disease endemic countries to enhance access

- Several high level declarations on need to promote R&D and develop innovation strategies (regional innovation networks) for wealth creation and economic development

But existing capacity in Africa is not coordinated or leveraged to solve Africa’s health challenges

- focus on external collaboration (essentially with Europe and America) – driven by funding opportunities

- Little collaborations between research institutions in Africa to foster technology diffusion within the continent
Cities with 30 or more articles published in the 2004 - 08 period

Total of 90 cities in 27 countries

16,647 biomedical articles led by African authors included in analysis
Lack collaboration in Africa...HIV/AIDS research

Only 5% of articles are in collaboration between two or more African countries

SOURCE: Thomson Web of Science, UCINET
ANDI mission and vision

**Mission Statement**
"To promote and sustain African-led health product innovation to address African public health needs through the assembly of research networks, and building of capacity to support human and economic development"

**Vision**
"Creating a sustainable platform for R&D innovation in Africa to address Africa’s own health needs"
Governance Structure for ANDI

Hosting Agency:
- UNECA (UN Economic Commission for Africa)

Board
- Co-Chaired by:
  - Minister Mugo of Kenya (Health)
  - Minister Pandor of South Africa (Science & Technology)
- 12 members with >75% from Africa
- WHO, AfDB, UNECA

Secretariat
- Operates through regional hubs
ANDI role in the innovation value chain

R&D value chain

- **Basic research (target identification/validation)**
- **Assay/model development**
- **Compound/Candidate screening**
- **Platform development**
- **Platform validation**
- **Clinical development**
- **Evaluation**
- **Manufacturing, access & impact**
- **Clinical trials**
- **Preclinical**
- **Lead generation**
- **Lead optimization**

**Disease scope**

- Diseases that disproportionately affect Africa

**ANDI’s key roles**

- Project identification and support
- Support on project management
- Centres of Excellence
- Infrastructural support (equipment, facilities, IT)
- IP management (including licensing and technology transfers)
- Advocacy (stakeholder involvement, increased funding, regulation/validation, access, systems)
- **Brokerage of partnership and collaboration (public and private)**
Technical progress to date

ANDI Centres of Excellence:

Mapping of pan African Centres of Excellence (CoE) based on a set of criteria

- 117 applications received from 87 institutions across Africa and the entire R&D value chain
- Review of applications finalized by STAC
- Outcome to be announced at ANDI meeting Oct 2011

Call for projects:

- 207 applications received by deadline
- 50 projects short-listed for full proposal

ANDI knowledge database being developed
ANDI R&D and Knowledge databases

Contribute

Connect

Find

Biology

Chemistry

ADME/PK

Web Portal - Login

Authentication

ANDI Knowledge database

ANDI R&D database

Project – Pipeline – Portfolio management
ANDI promotes collaboration and coherence

- ANDI forms strategic partnerships with national, continental & international initiatives to advance the development and delivery of affordable health products in Africa

- Example EDCTP
  - EDCTP is a strategic partner for ANDI
  - Seeking to work together in transitioning candidate drugs or vaccines into clinical development
  - Seeking to collaborate in transitioning products into manufacture and access

- EDCTP is also involved in ANDI STAC
Key challenges

• Development of ANDI has been possible thanks to a grant from the European Commission and support from WHO and UNECA

• Political support and interest

• Resource mobilization

• Advocacy and promotion

• Mobilization and coordination of African health innovation capacity
African Network for Drugs and Diagnostics Innovation (ANDI)

4th ANDI Stakeholder Meeting and Donors Conference
24-27 October 2011

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INFORMATION AND REGISTRATION: www.andi-africa.org
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