ANDI - building a sustainable platform for health innovation in Africa

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R&D and manufacture in Africa

• Several declarations support enhanced effort, but limited implementation
  ▪ Traditional knowledge & medicines
  ▪ AU PMPA Business plan, approved by African Heads of State
  ▪ Algiers Declaration of African Ministers of Health 2008
  ▪ Regional/national efforts on manufacturing & regulatory

• Institutions with capacity exist but not leveraged to support local innovation & health needs

• Effort of several regional & international organizations commendable

• Challenges include lack of coordination, funding & collaboration

• Good news is that the old perception that it can not be done in Africa is changing
Lack of 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
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 health innovation in Africa to address Africa’s health needs"
Technical progress & challenges

• 2 projects funded
  • Medical device for resp distress in neonatal children in Africa (Malawi)
  • NIPRISAN for sickle cell disease (Nigeria)

• Working to fund fellowships at CoEs

• Technical publication on CoEs

• Training for CoEs on IP management in collaboration WIPO

• 5 network projects awaiting funding

• Challenge – funding, HR & administrative
Projects identified through open call for proposal

Over 200 applications received & reviewed
Capacity for innovation exist in Africa but need to be coordinated for optimal result
Covers product R&D, manufacturing, commercialization
CoEs identified through open call

Over 120 applications received
Capacity for innovation exist in Africa but need to be coordinated for optimal result
Covers product R&D, manufacturing, commercialization
38 recognized CoEs

National Institute for Pharmaceutical Research and Development

University of Bamako

Kumasi Center for Collaborative Research

LaGray Chemical Co. Ltd

University of Ibadan

Noguchi Memorial Institute for Medical Research

University of Lagos

Institut de recherches médicales et d'études des plantes médicinales

University of Buea

African Institute of Biomedical Science and Technology

Stellenbosch University (2)

The Biovac Institute

University of Cape Town (3)

IThemb Lab

South African Medical Research Council

Institut Pasteur de Tunis

Theodor Bilharz Research Institute

Vacsera (2)

Vacsera Manufacturing

National Center for Research

Joint Clinical Research Center

Makerere University

KEMRI Production Unit

Institute of Primate Research

Kenya Medical Research Institute

Kenya Agricultural Research Institute

Kilimanjaro School of Pharmacy

University of Zambia

University of Mauritius

Botswana Vaccine Institute

The Biovac Institute

IThemb Lab

University of Witwatersrand (2)

Council for Scientific and Industrial Research

IThemb Pharma
ANDI regional hubs being established

• Agreement finalised with Nigeria on hosting of West African hub at NIPRD Abuja
  • $1.5M committed by Nigeria

• Ongoing discussion with Kenya on the East African hub at KEMRI

• Ongoing discussion with South Africa regarding Southern Africa hub at MRC

• New call for North & Central African hubs or other
External review highlight opportunities & challenges

- ANDI is unique & needed, mission & vision valid
- Transitional challenges at UNECA in Addis be resolved urgently (mainly admin & staffing challenges)
  - This led in part to termination of hosting arrangement at UNECA
  - New hosting arrangement for ANDI being finalised
- Implement robust communication & resource mobilization strategy
- Despite challenges, ANDI on track with agreed milestones with EU funding & business plan
4th ANDI Mtg: 5th scheduled for 1-3 October 2013 in Nairobi
Acknowledgment

- WHO incl. TDR, PHI, AFRO, EMRO
- Economic Commission for Africa (UNECA)
- African Development Bank (AfDB)
- European Commission (EC), also for financial support
- African Union (AU)
- African institutions & scientists
- Nigeria for funding commitment
- ANDI STAC