



African Network for Drugs and Diagnostics Innovation (ANDI) - lessons learned

Solomon NWAKA, Acting Executive Director, ANDI.

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World Health
Organization



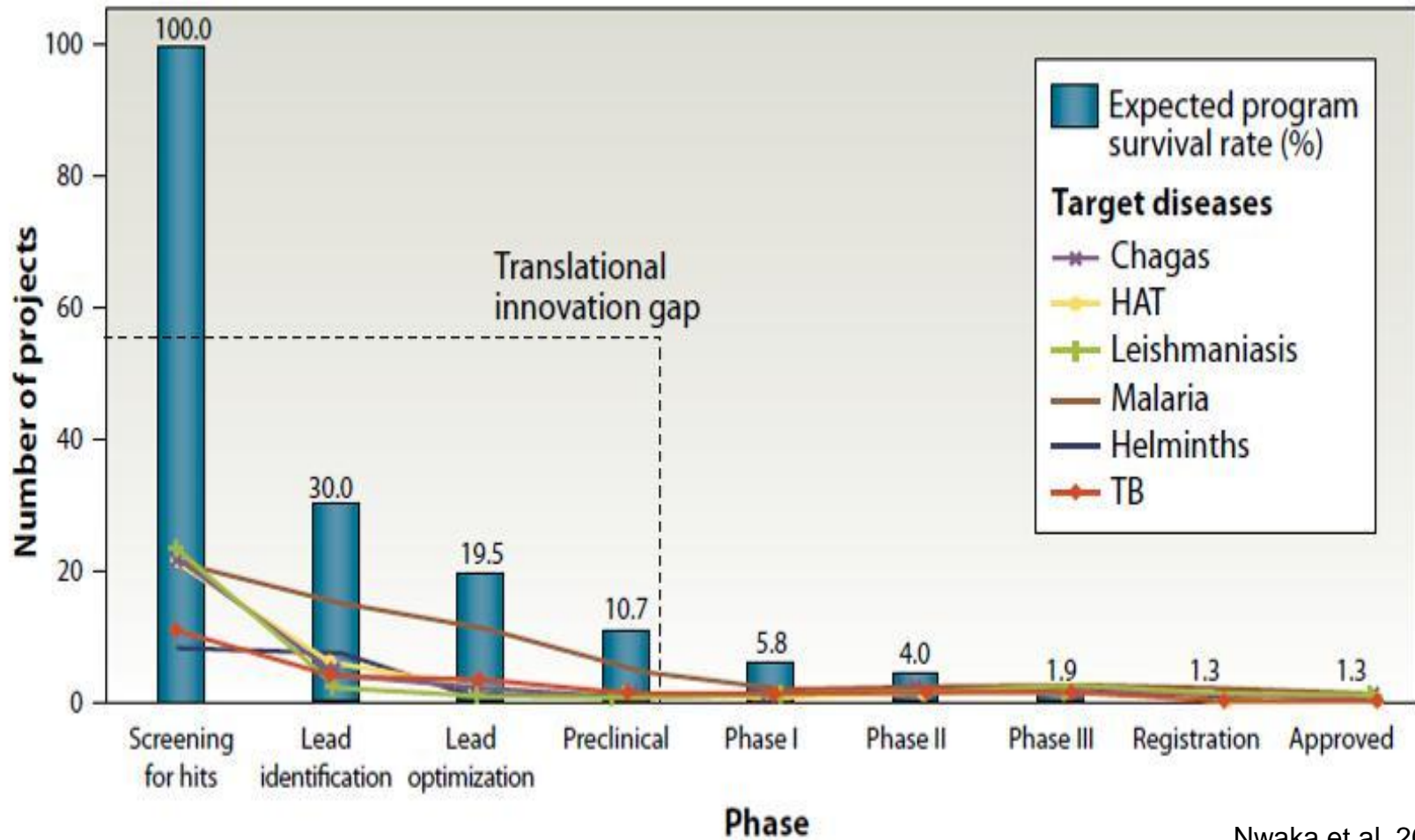
TDR
For research on
diseases of poverty
UNEP - UNDP - World Bank - WHO

Global landscape for product R&D and innovation

- PDPs, PPPs & industry activities
- Academia – screens, genomics, MedChem, ADMET
- Government or intergovernmental effort
- Specific access and product procurement initiatives
- Funding from government & philanthropy
- *Open source & open innovation approaches*

Presently ANDI is the only product R&D and access coordination mechanism within Africa

'Innovation gap' remain: e.g. drugs



Nwaka et al. 2009

R&D and manufacture in Africa

- Many R&D institutions with fragile infrastructure, but many institutions with excellent capacity and infrastructure also exist
 - Institutions not leveraged to support local health needs, funding is weak
- Many companies focusing on local production but few with GMP status
- Several declarations support enhanced effort
 - 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
- *Challenge - lack of collaboration, coordination & funding*
- *Innovative mechanisms like ANDI seeking to address these challenges in Africa should be supported*

Evolution and background of ANDI

2008



**ANDI
concept
launch**

2009



**ANDI
Business
plan launch**

2010



**ANDI
operation
launch**

2011+



**ANDI
implementation
UNECA + Hubs**

Lack of collaboration in Africa...HIV/AIDS research



ANDI leverages opportunities to address challenges



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**"

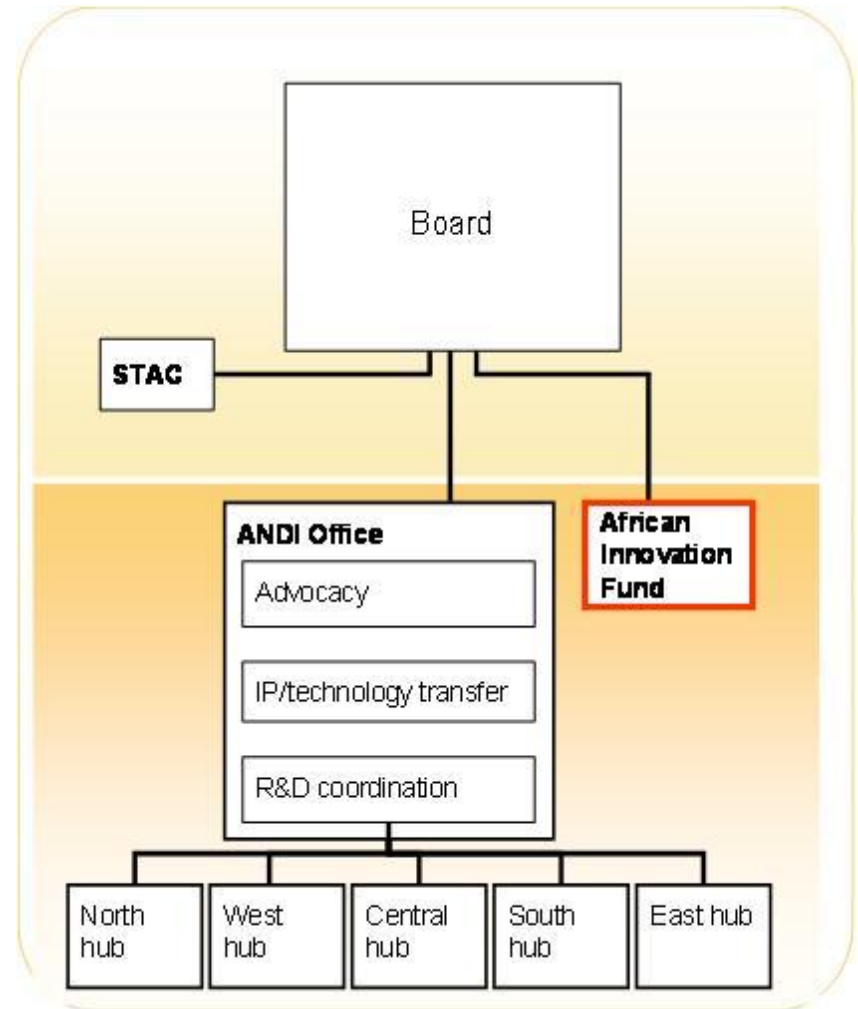


Vision

"Creating a **sustainable** platform for **health innovation** in Africa to address **Africa's health needs**"

Governance

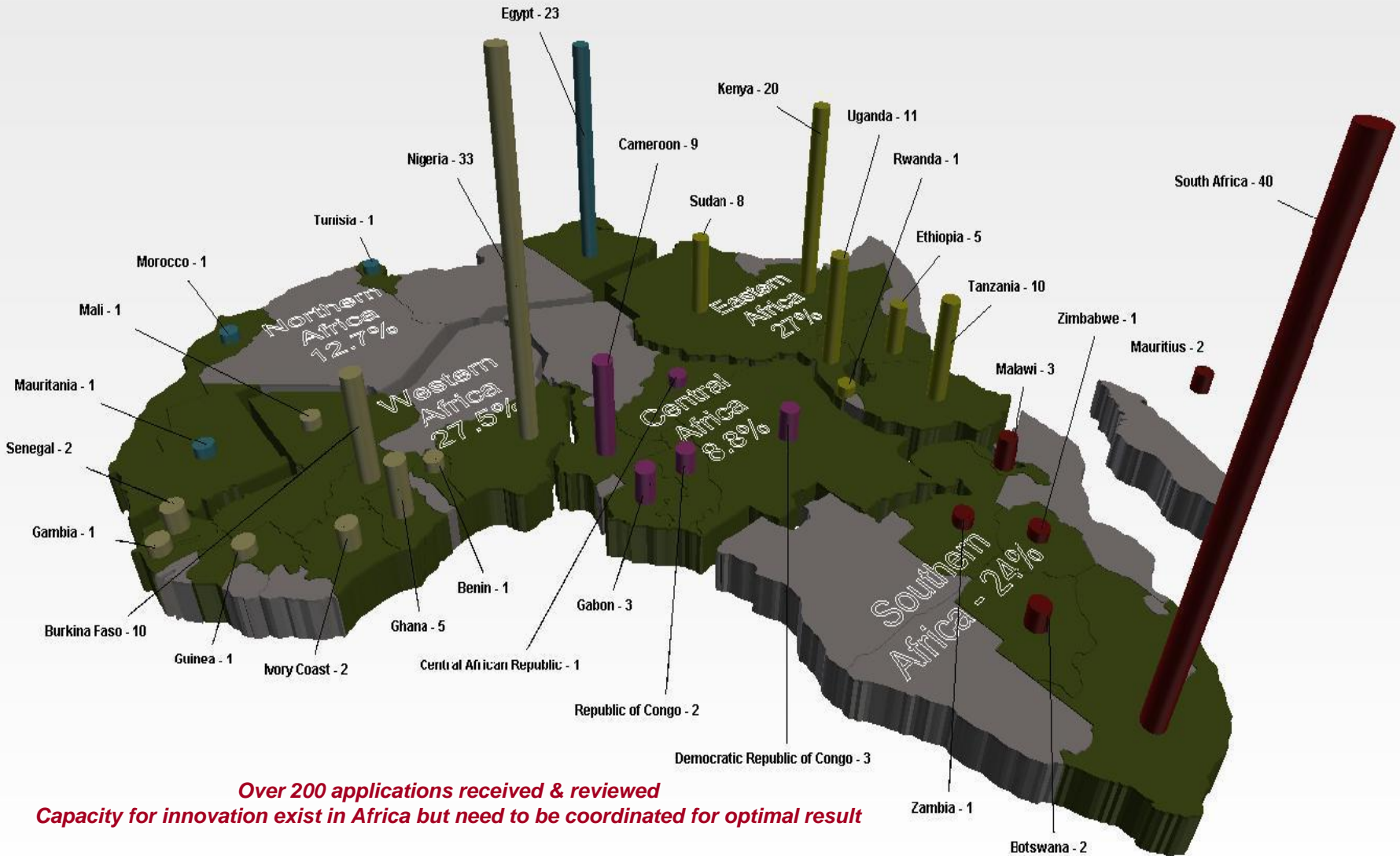
- Hosting Agency
 - Transition from UNECA to another entity in Africa
- Board
 - Co-Chaired
 - *Minister of Health, Kenya*
 - *Minister of S & T, S Africa*
 - 12 members with >75% from Africa
 - WHO, AfDB & host agency
- Secretariat
 - Operates through regional hubs



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*

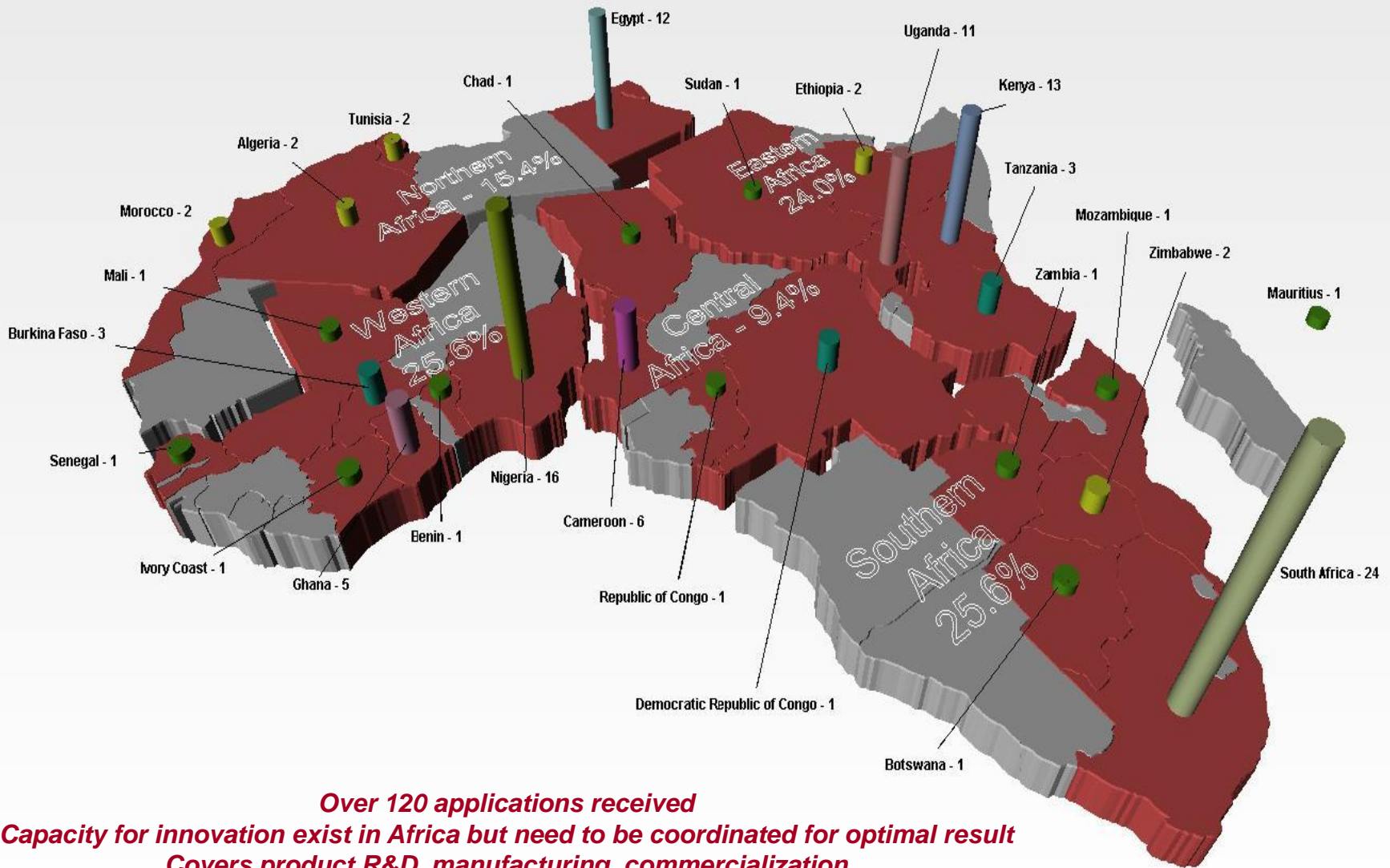
Projects identified through open call for proposal



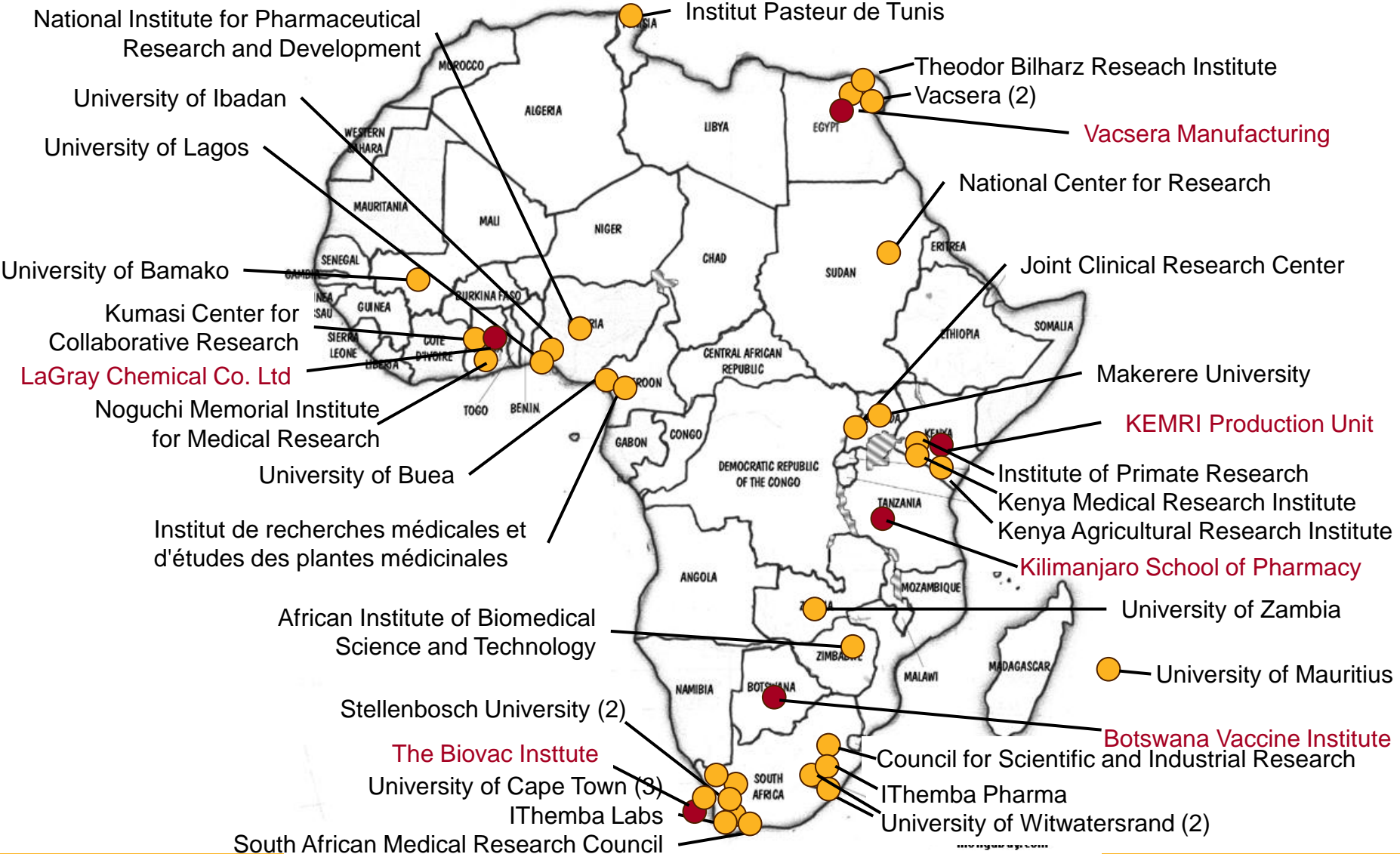
Over 200 applications received & reviewed
Capacity for innovation exist in Africa but need to be coordinated for optimal result

Covers product R&D, manufacturing, commercialization

CoEs identified through open call



38 recognized CoEs



ANDI regional hubs being established

- Agreement finalised with Nigeria on hosting of West African hub at NIPRD Abuja
 - Financial commitment from 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 Addis identified
 - *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

Lesson learned

- Capacity for innovation exist in Africa
 - Available capacity not well leveraged to solve Africa's health challenges
- Fragmentation of efforts & funding need to be overcome
- Capacity building that utilizes existing capacity to be emphasized
 - Build capacity around projects - ANDI CoEs provide framework
- Need for enhanced intra-African, S-S, N-S collaboration & partnerships
- Enhanced government investment in R&D, local production & access will ensure sustainability
- Support country level and regional initiatives
 - AU PMPA business plan
 - ANDI and other regional initiatives
- Opportunity for collaboration with WIPO, WTO, WHO and other organizations

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