



ANDI STRATEGIC PLAN 2016 - 2020

5th ANDI STAKEHOLDERS MEETING

November 2015 Nairobi

Dr. Giorgio Roscigno

ANDI MISSION

ANDI's mission is to promote and sustain African-led health innovation to address the continent's health needs through the assembly of collaborative networks, and building of capacity to support public health and development.

ANDI focuses on addressing Africa's health needs by harnessing the untapped power of collaboration among African researchers and entrepreneurs, as well as equitable North-South and South-South partnerships, with the vision of creating a sustainable platform for health innovation in Africa to address the health needs of the population, particularly diseases that disproportionately affect African populations

1) **ANDI** will support needs and gap analysis as well as identification of viable project opportunities. These activities will be implemented by African institutions (public and private) and CoEs in partnership with local or external partners. ANDI will support validation of technologies through technical input, partnership brokerage and provision of catalytic funding where available.

2) **ANDI** will establish partnerships to support project progression, coordination and capacity building as well as transition to scale and market entry. These will involve the establishment of tech transfer, incubators and/or joint or social venture enterprises to support project progression.

3) **ANDI** will support advocacy and networking to enhance research output through knowledge exchange and open knowledge platforms. Concerted advocacy efforts that encourage local involvement, funding and ownership will be an important aspect of this work.



Needs
assessment and
identification of
viable projects



Brokerage and
partnerships:
Tech Transfer;
Capacity Building;
Incubators

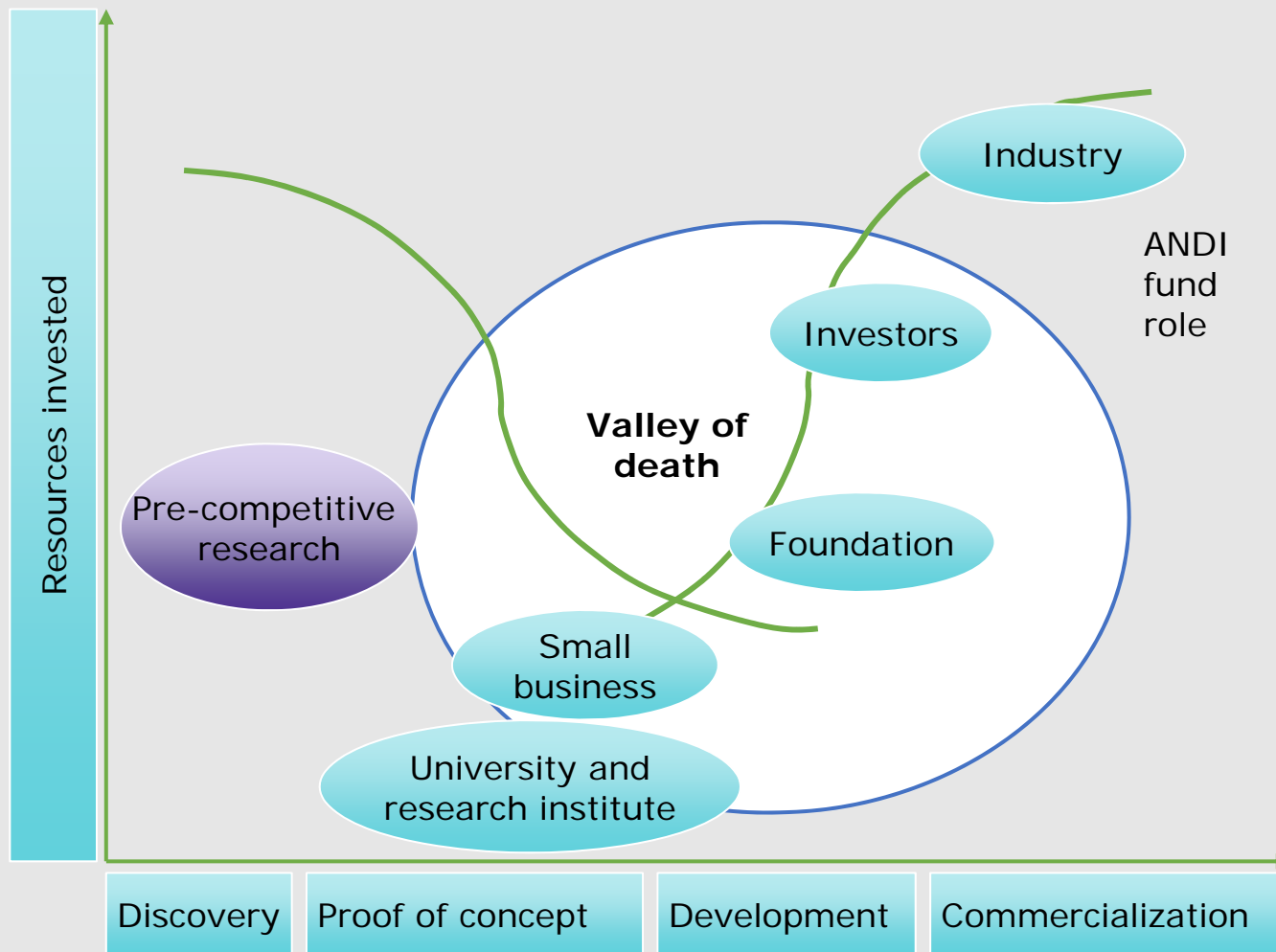


Advocacy
networking:
Open Knowledge
Databases



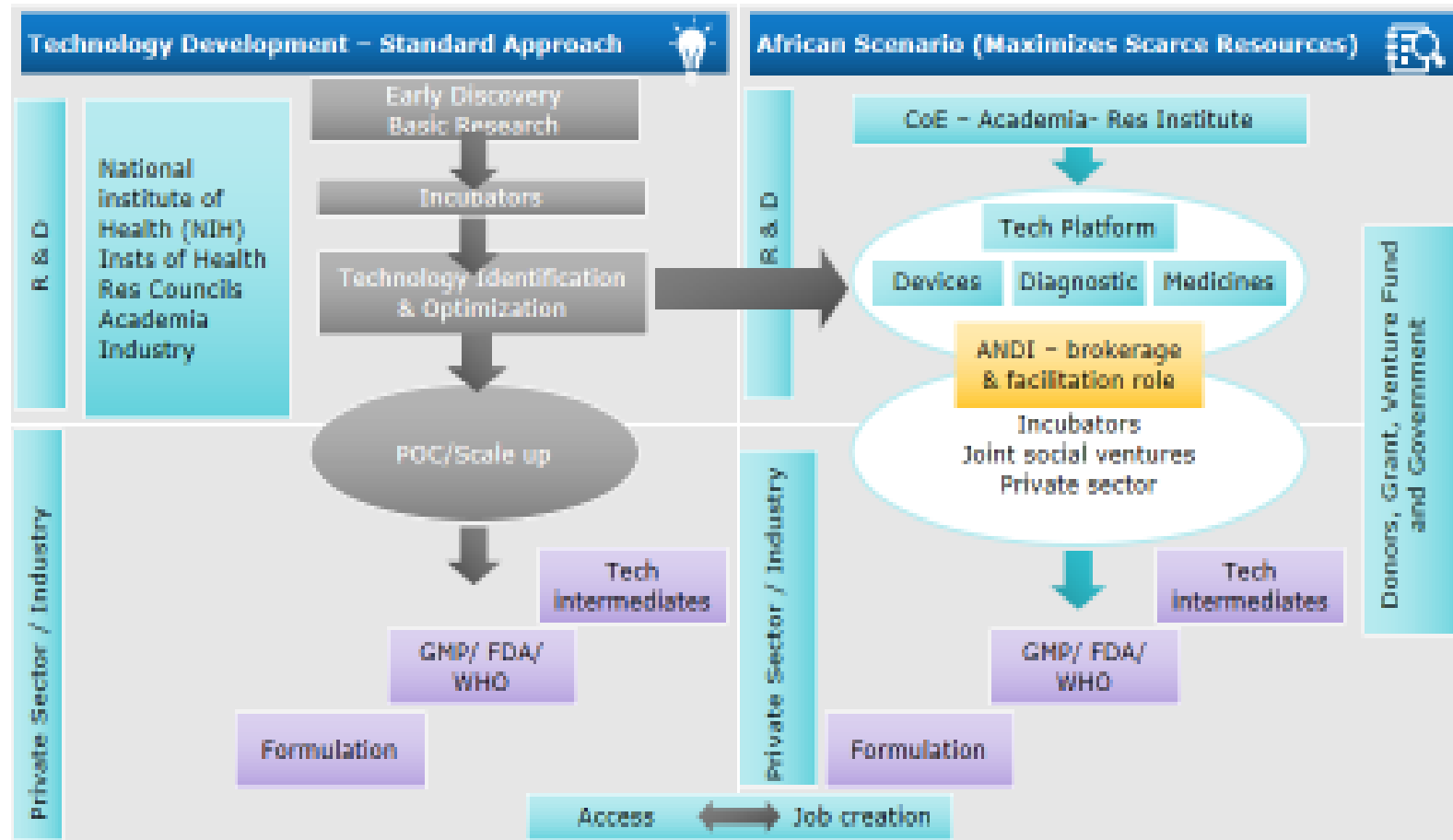
Bottleneck in advancement of technologies globally

Development Pipeline and "Valley of Death"

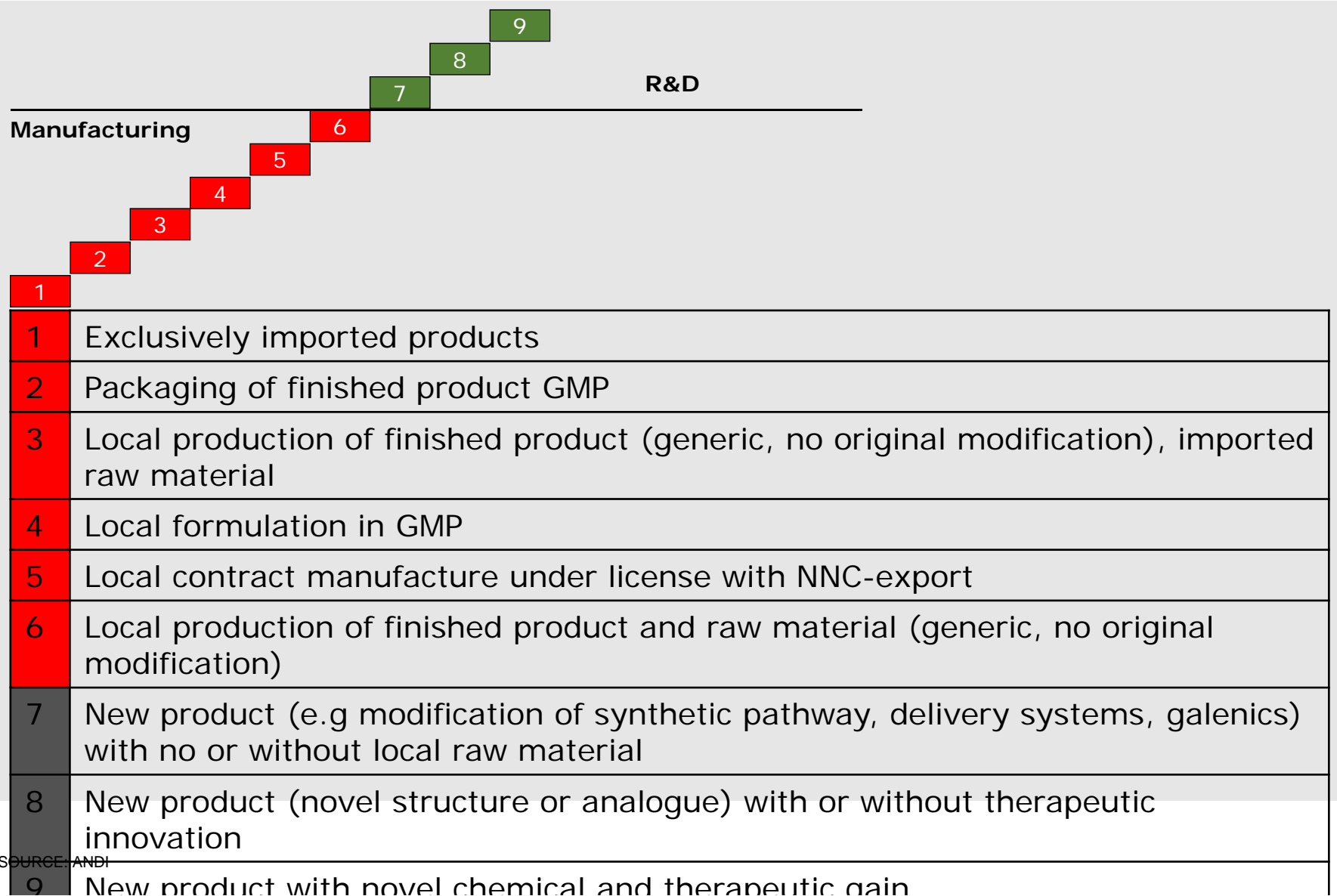


In the developed world and emerging economies, clear processes for addressing resource needs that bring concepts into development exist, but in developing countries especially within Africa, such mechanisms do not exist and where they do they are in their infancy

Need for scale approaches in Africa



Value Chain: Adding Value by back-integrating manufacturing into new drugs R&D

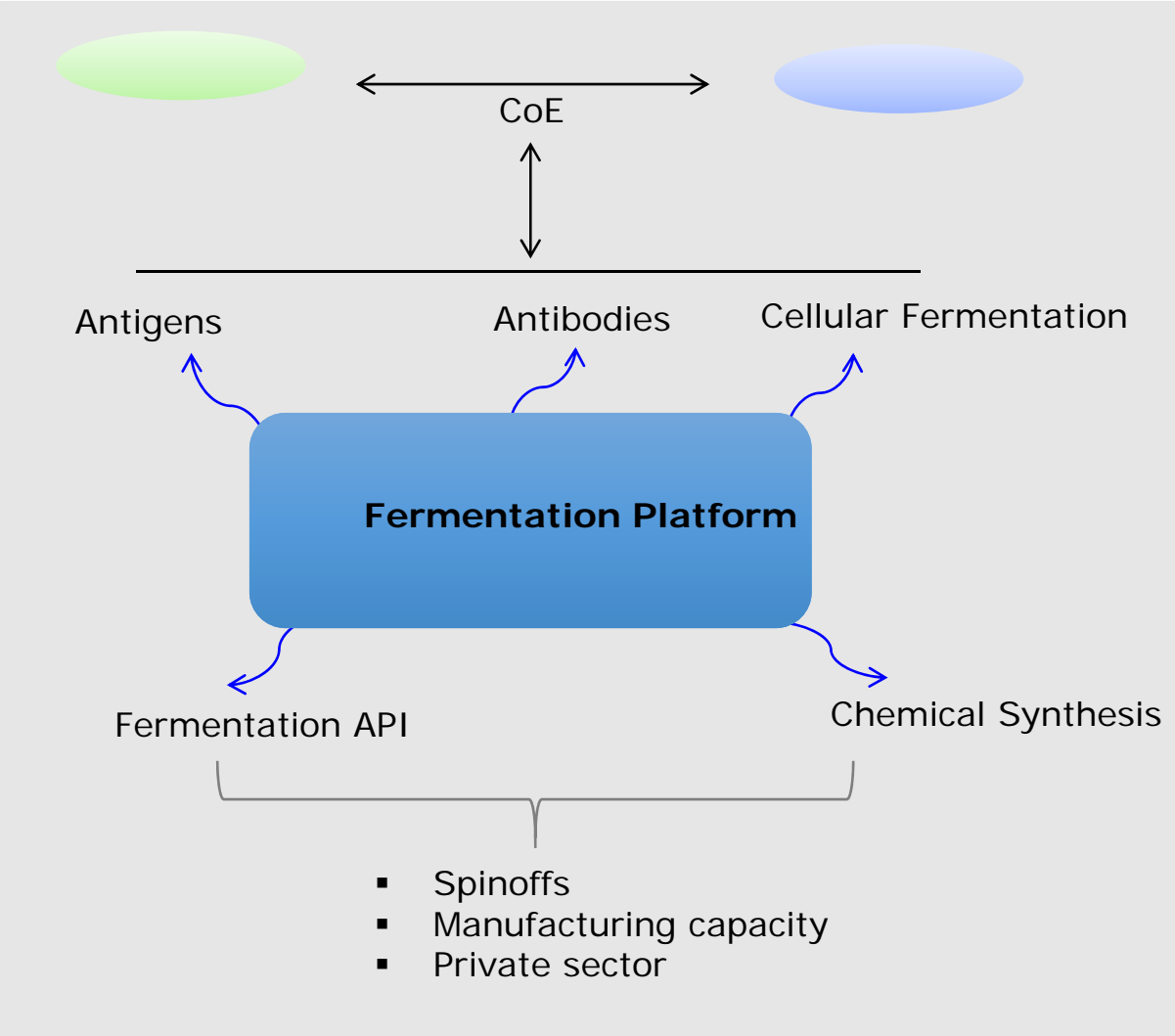


SOURCE: ANDI

Broad technological platforms offer a practical opportunity for researchers to conceptualise problems, develop new approaches and increase capacity. (i.e Fermentation , nanotechnology ,molecular amplification and others).

Some of such platforms are already in place in different ANDI Centres of Excellence and could readily be promoted as shared resource for other centres. ANDI will facilitate the identification of suitable Centres or hubs for Technology platforms through CoEs with participation of both South and North partners

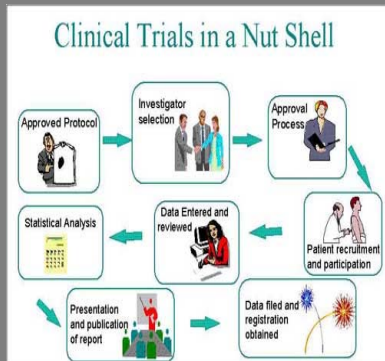
Towards an Integrated Approach to R&D through Technology Platforms



Value Chain: From API to R&D NCE



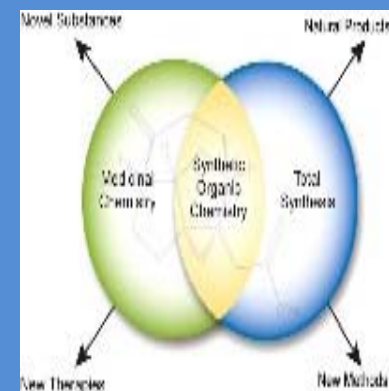
API
Manufacturing
(Local and
export)



Clinical research:
New formulations
New products
Local formulation



New chemistry
routes;
Integrated
platforms



Medicinal
Chemistry
Natural
products
New Chemical
Entities

INCUBATORS

University incubators: such internal incubators are set up by academic and technical institutions with the task of turning homegrown projects into spin out companies in which the parent organization retains some equity..

Returned overseas students/professional incubators: Many should be attracted by the opportunity of founding their own company as a startup or utilize incubator resources in their mother country to run research projects.

Industry Incubators: these should be built inside the Technology Parks as pilot plants and provide in-house laboratory equipment for scientists from pharmaceutical companies in the country.

INCUBATORS

