Research and Innovation in Tanzania

By
Mr. Hassan Mshinda
Director General
Tanzania Commission of Science and Technology

The views expressed are those of the author and do not necessarily reflect the views of UNCTAD.
Research and Innovation in Tanzania

5th Session of Investment and Enterprise
Geneva 1st May 2012
Outline

• Mandate

• National Fund for Advancement of Science and Technology

• Government commitment

• Research and Innovation Funds

• Discussion
ROLE OF THE COMMISSION

• Mandate:
  - Principal advisory organ of the government on science, technology and innovation (Act No. 7, 1986)

• Functions:
  - Advise on formulation of policy on S&T
  - Promotion and coordination of scientific research,
  - Promote technology development technology transfer
  - Popularization of S&T and dissemination of scientific and technological information.
  - Foster regional & international cooperation
National Fund for Advancement of Science and Technology

Grant or a loan

• Human resource development

• Research

• Technology development

• Application of the results in compliance with national priorities
Funding of R&D in Tanzania
(Current situation)
H.E President Jakaya Mrisho Kikwete of Tanzania

“The Gov’t will start to increase financial resources for research and development”
Current Areas of Support

- Human Resource
- Research Infrastructure
- Research
- Commercialisation of research results
- Incubator and Cluster
<table>
<thead>
<tr>
<th>Thematic Area</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Increased coverage of proven interventions</td>
<td>15</td>
</tr>
<tr>
<td>Proven technologies needing validation</td>
<td>15</td>
</tr>
<tr>
<td>Technology transfer (up scaling and commercialization) of proven technologies and services to end users</td>
<td>19</td>
</tr>
<tr>
<td>Value addition of agricultural, livestock and fishery produce</td>
<td>4</td>
</tr>
<tr>
<td>Commodity value chain</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>54</strong></td>
</tr>
</tbody>
</table>
Expected outputs from funded projects

• New varieties: Barley, wheat, sugar cane, millets, cassava, tomatoes, tea, maize and sweet potatoes.
• Biological Control of fruit flies, Botanical rodent repellents, technologies for control tse tse flies,
• Post harvest loss of oranges
• Agronomic practices in rice
• Increase coverage of New Castle disease in chicken, production of new vaccines against respiratory infections in chicken, diagnostic tools and vaccines for animal diseases,
• New breeds of cattle, indiginous chickens
TASENE Program

• TASENE: collaboration between COSTECH (Tanzania), Sida (Sweden) and NWO-WOTRO (Netherlands)

• Aim: enhance scientific excellence and strengthen research collaboration between Europe and Tanzania

• Focus: post-doctorial support to scientists in Tanzania, Sweden and Dutch scientists.

• Total available funds: €1.8 M over 2 years contributed equally by three countries.
Innovation Fund for ICT

- Part of Tanzania-Finland Project TANZAICT
- Provide financial support for start up
- Euro 400,000 for three years
DFID Human Development Innovation Fund

- Health, Education and Water and Sanitation
- Private sector and civil society
- Procurement process
- Launch August/September
- £30 millions
Discussions

• Foreign funders of research have made substantial contributions in capacity building and generate usefully results which some have been utilised. However, failed to stimulate government to increase its financial allocation for research.

• Funding through competitive and transparency basis is ideal approach to assure relevance and quality.

• Equity and Venture capital funds in most of developing countries are at infancy stage

• Pooled Innovation Funds is a step forward towards establishment of Innovation and Entrepreneurial ecosystems

• Finance is only one component need to be complimented by other interventions eg incubation etc etc