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STI Policy Reviews Ethiopia, Panama and Uganda

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STIP REVIEWS



Objectives

- Build national capacities in STI
- Assess national innovation system and priority sectors
- Improve technological capabilities and foster innovation

Outcomes

- Analytical and policy learning process for country's STI stakeholders
- UNCTAD has conducted 15 STIP reviews in developing countries



Science, Technology & Innovation Policy Review

Dominican Republic 



Science, Technology & Innovation Policy Review

Oman 



Science, Technology & Innovation Policy Review

Rwanda 



Science, Technology & Innovation Policy Review

Islamic Republic of Iran 



UNITED NATIONS
New York and Geneva, 2018



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STIP REVIEW ETHIOPIA - CONTEXT

- ❑ Align STI Policies with the country's development goals and SDGs
- ❑ Technological learning and upgrading through inter-firm linkages & Industrial Parks
- ❑ Priority sectors covered in the STIP Review
 - ✓ Apparel and textile
 - ✓ Pharmaceuticals
- ❑ Process:
 - ✓ The Ministry of Innovation and Technology (MinT)
 - ✓ Inter-Ministerial Committee

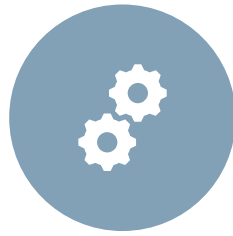


STIP REVIEW ETHIOPIA – PRELIMINARY FINDINGS

- ❑ High-level growth but low-level of technological learning
- ❑ Building on ‘policy formulation’ for effective ‘policy implementation’
- ❑ Building on the progress on productive resources to advance on entrepreneurial capacities and production linkages
- ❑ Shifting focus from technology transfer to innovation



STIP REVIEW ETHIOPIA – KEY ISSUES



ALIGNING
INDUSTRIAL POLICY
AND STI POLICY



MAXIMIZING
INDUSTRIAL PARKS'
POTENTIAL FOR
LINKAGES



IMPROVING SUPPLY
CHAIN AND
BACKWARD LINKAGE



THE NEED TO BUILD
QUALITY
INFRASTRUCTURE



SUPPORT AND
FINANCE FOR
INNOVATORS AND
TECHNOLOGY
STARTUPS



STRENGTHENING
UNIVERSITY –
INDUSTRY LINKAGE

STIP REVIEW PANAMA - CONTEXT

- ❑ Presidential elections in May 2019.
- ❑ Conclusion of the 2015-2019 National Plan for Science and Technology, and design of the STI policy for the next five years.
- ❑ Panama's per capita income reached the level of a high-income country in 2018.
- ❑ STI Policy Review Process:
 - ✓ Extensive consultation process during visit to the field in February 2019
 - ✓ First draft submitted to SENACYT on 30 April for their internal review
 - ✓ Presentation of the Review at National Workshop in June 2019.



STIP REVIEW PANAMA – PRELIMINARY FINDINGS

- ❑ Young STI system still in the process of consolidation.
- ❑ Significant capacity to elaborate STI plans. Important capacity and leadership of SENACYT as the main actor in the STI system.
- ❑ It is necessary to increase the funding to STI efforts, particularly from the private sector.
- ❑ Lack of ownership and responsibility of STI progress from stakeholders: The country's progress on STI depends solely on SENACYT



STIP REVIEW PANAMA – INITIAL RECOMMENDATIONS

STI SYSTEM

Increase the resources to fund STI (including human resources & inf)

Develop policies to promote innovation in firms

Orient STI efforts to strategic national challenges

Recognize the value of STI in national development strategy

Reduce red tape in approval of funds

PENCIYT

Activate the CICYT and increase agency coordination

Accompany goals with adequate resources

Strengthen linkages between the Plan and the role of the STI system in sustainable development

SENACYT

Explore new type of instruments to expand portfolio

Strengthen internal articulation efforts

Reflect on separating the design and implementation of the policy

Balance between M&E and the development of the system

STIP REVIEW UGANDA: CONTEXT

- ❑ Re-energizing structural transformation processes
- ❑ Increasing policy coherence, coordination, directionality
- ❑ Priority sectors covered in the STIP Review
 - ✓ Industrialization of agriculture
 - ✓ Information and communication technologies
- ❑ Process:
 - ✓ The Ministry of Science, Technology and Innovation
 - ✓ Inter-ministerial STIP Review Task Force

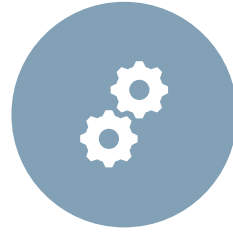


STIP REVIEW UGANDA: POLICY DIRECTIONS

- Operationalize a national compact on the role of STI in development, the need to nurture a national innovation ecosystem
- Reframe STI policy perspectives towards the innovation side of the STI continuum
- Develop **S-T-I** funding capacity for all stages
- Work towards SDGs and Agenda 2030
- Align human resources, competencies, for STI-led growth needs



STIP REVIEW UGANDA: POLICY CHALLENGES



DEVELOPING A
LOCUS FOR THE
NATIONAL
INNOVATION
SYSTEM (MOSTI)



FRAMEWORK
CONDITIONS:
INFRASTRUCTURE,
HUMAN CAPACITY,
FINANCE, TRADE



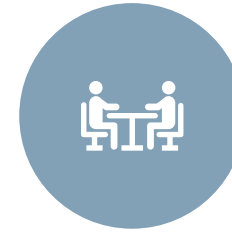
VALUE CHAIN
PERSPECTIVE:
ASSESSING
INNOVATION
POTENTIAL



AGRICULTURE AND
ICT SECTORS:
TRANSFORMATION
AND
INDUSTRIALIZATION



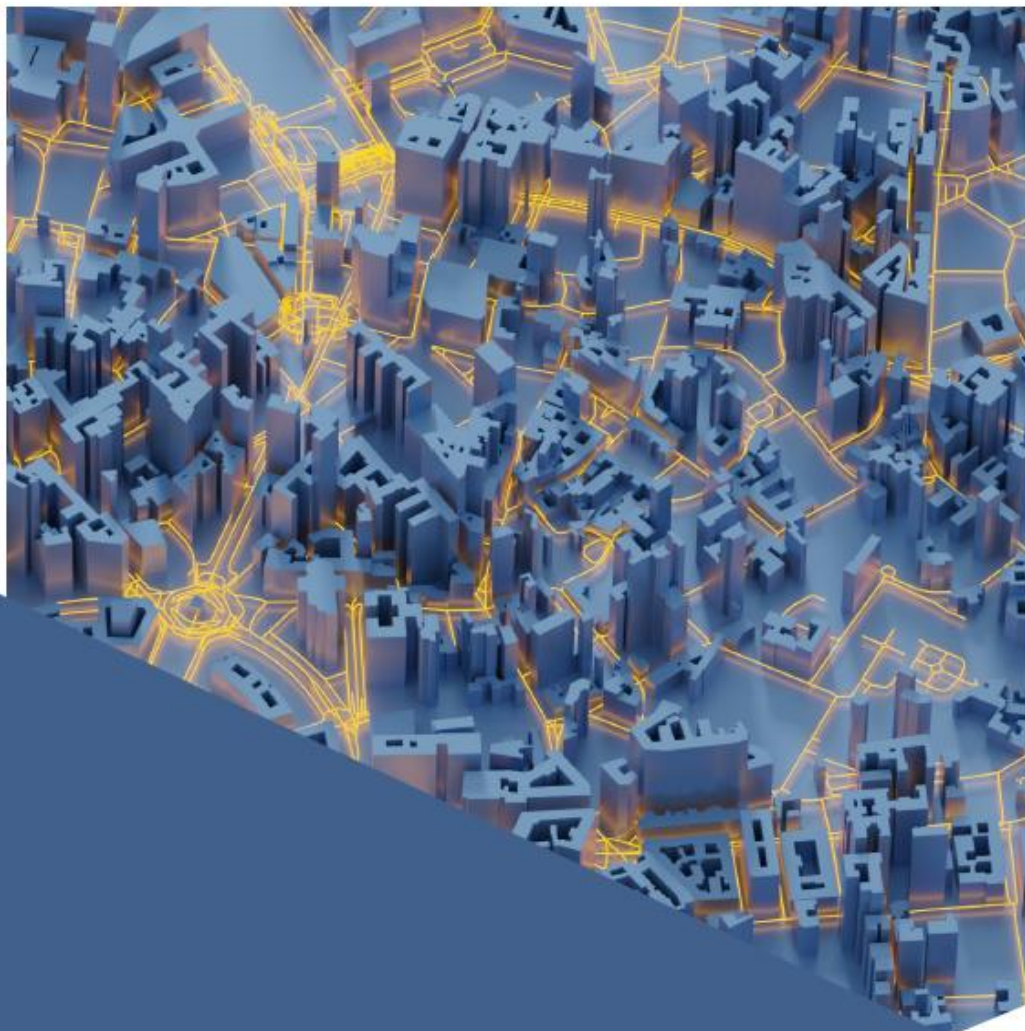
INCREASING LEVEL
OF RISK TOLERANCE,
CAPACITY TO LEARN
FROM RISK-TAKING
AND FAILURE



STRENGTHENING
LINKAGES:
ACADEMIA
FIRMS
GOVERNMENT



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Thank you!

