Key issues for African countries in Science, Technology and Innovation

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- Technology has a public goods dimension:
 - Technology, innovation to address sustainable development goals
 - Science education, access to knowledge and implications for tertiary education
 - STI and key challenges
 - agriculture and food security
 - health and access to medicines
 - Access to energy

- Technology and innovation are essential for private enterprise development:
 - Building capabilities within countries at the enterprise level
 - Promoting technological change in small and large enterprises
 - Harnessing interactive learning
 - ICTs and private sector-led development

- Technology and innovation capacity have a critical developmental dimension:
 - Technological development is an essential component of building productive capacity.
 - Large technology and innovation gaps exist, and developing countries particularly in Africa are often far from technology frontiers.
 - Economic catch-up requires narrowing these gaps through the accumulation of knowledge and innovation capacity, moving closer to the technology frontiers.

- Focuses on technological change and capabilities building wherein
 - Institutional frameworks that enable the creation of dynamic capabilities are critical for learning (national, sectoral).
 - Coordination of policies and incentives is critical education, R&D, science and technology policy, technology transfer, IPRs, - that are coordinated to promote interactive learning.

- Promoting productive and absorptive capacities
 - » Arresting the growing technological divide

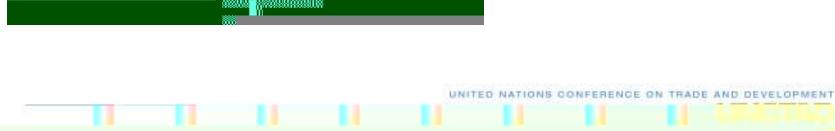
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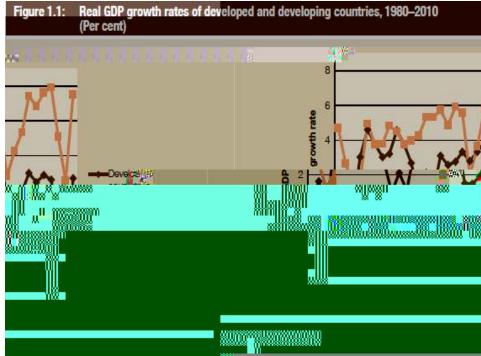


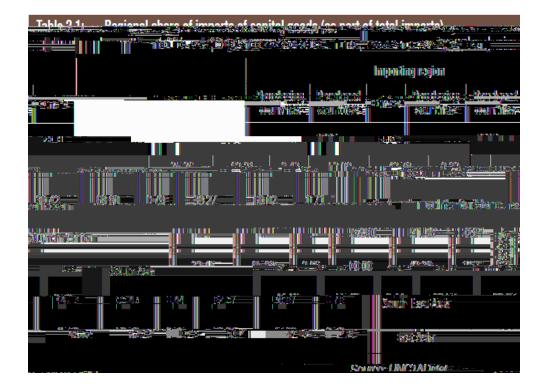
- In a large number of developing countries, shallow financial markets often thwart their responses to developmental needs.
- Structural vulnerabilities can be reduced inter alia through promoting technological change, which supports structural diversification and reduces the dependence of countries and economies on commodity boom/bust cycles.

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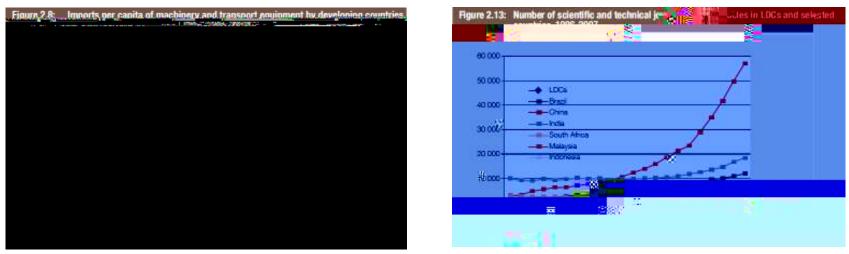














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