

ASSESSING SCIENCE, TECHNOLOGY AND INNOVATION CAPABILITIES OF SELECTED ASIA-PACIFIC REGIONS

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and Innovation for Sustainable Development
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OUTLINE

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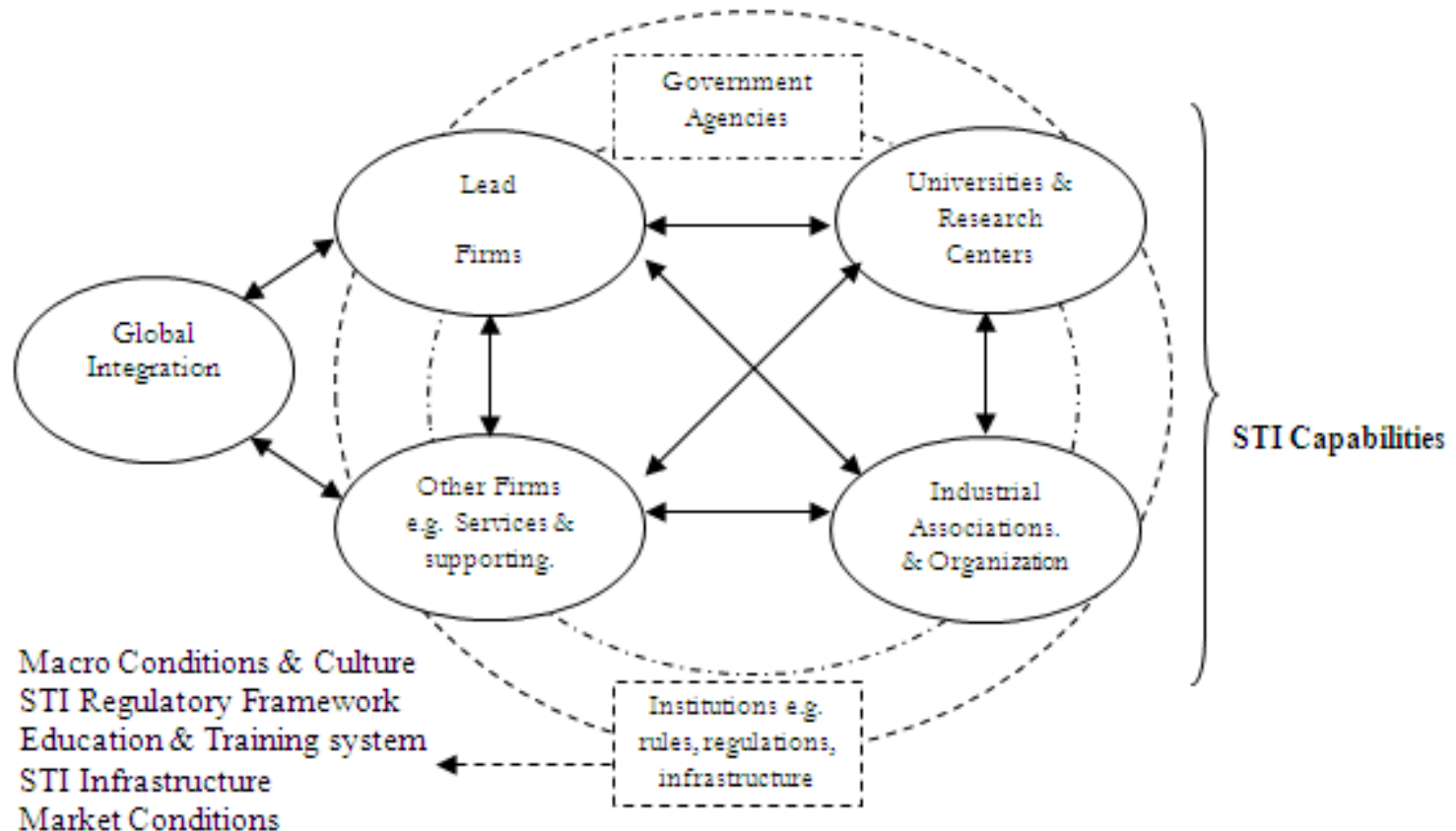
INTRODUCTION

- Responds to - the need to enhance STI capabilities in the Asia-Pacific region as a way to support the post-2015 development as well as the sustainable development goals (SDGs).
- For policy intervention, firstly, it requires knowing the status of the STI development
- Should be viewed as a system approach whereby the interconnectivity between NIS and sustainable development goals is important.
- Map the STI capabilities of the selected Asian-Pacific countries using the NIS as the framework.

What we did here?

- Assess in a broader sense, the STI capabilities of the selected Asian-Pacific economies.
- Assess specifically the current progress in low carbon STI capabilities
- Recommend policy direction and the way forward.

What we assessed? Framework of Assessment – National Innovation Systems



Indicators

Major Dimensions	Selected Indicators
Macroeconomics	GDP, Unemployment, Capital Formation, FDI
Culture Related to STI	Entrepreneurial Activities and Environmental Conditions
STI Infrastructure and Regulatory Readiness	Basic Infrastructure; ICT, R&D, IPR, Legal System Effectiveness
Human Capital Absorptive Capacity: Education and Training System	Education Expenditure, Skills, Availability of Training, Quality of Education; Human Capital in Industry
Market Condition	Financing, Venture Capitalist, Competition, Domestic Conditions
Knowledge Outcomes -Universities and Research Institutions	R&D Outputs – publications and patents; Knowledge Creation; Innovation
Industrial Capabilities – Lead and Supporting Firms	Value Added, Quality of Suppliers; Technology Capability; Cluster
Global STI Integration	Knowledge Network

Revisiting :The common unresolved Agenda - Economy

INEQUALITY; ACCESS TO HEALTH, EDUCATION, SKILL DEVELOPMENT;VULNERABILITY & ECONOMIC INSECURITY

- The number of poor people is greater in the middle income countries compared to the lower income countries, given that two-thirds of the world's poor population under the \$1.25 PPP category lives in the middle income regions.
- Rising income inequality is another major economic ill among most of the Asia-Pacific countries which results mainly during the periods of rapid economic growth.
- In terms of non-income inequality, poorer people in most of the Asia-Pacific countries face difficulties in getting access to better health care services, basic education and skills development.
- Besides that, a lack of decent and productive jobs is another unresolved issue in the Asia Pacific.
- Also, the vulnerable employment is another major issue which affects about 1.1 billion workers in the Asian-Pacific regions.
- Vulnerability and economic insecurity are also part of the unresolved issues in the Asia Pacific.
- It is because of the rising cost of living and health care cost which burden the households, especially the ageing population.

Revisiting: The common unresolved Agenda - Social

FOOD INSECURITY; WOMEN PARTICIPATIONS; NCD; ACCESS TO HEALTH, EDUCATION, SKILL DEVELOPMENT

- Food insecurity is another unresolved challenge among most of the Asian Pacific economies.
- There were still approximately 542 million undernourished people who accounted for more than 60% of the world's hungry population.
- Discrimination against women is another severe problem in the Asian Pacific region especially in South Asia.
- Women across Asia and the Pacific regions do not have sufficient access to basic needs including better health care, education and political rights.
- Non-communicable diseases (NCD) still remain unresolved issues across the Asian Pacific regions.
- According to the World Health Organization (WHO), the Asian Pacific regions will top the highest number of NCD deaths in the world by 2020.

预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_3931

