



Innovation Ecosystem Toward Trillion Dollar Economy

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Bangladesh's Innovation Heritage



Wari-Bateshwar



Sompura Mahavihara



Dhaka Muslin



Jute Exports

1950s



Microcredit

1976



RMG

1978



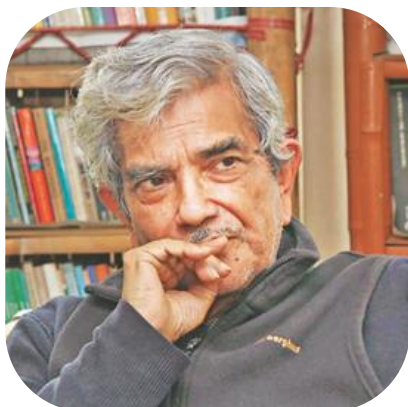
Drug Policy

1982



Knowledge Economy

2025 onwards



Jamal Nazrul Islam



Sir Jagadish Chandra Bose



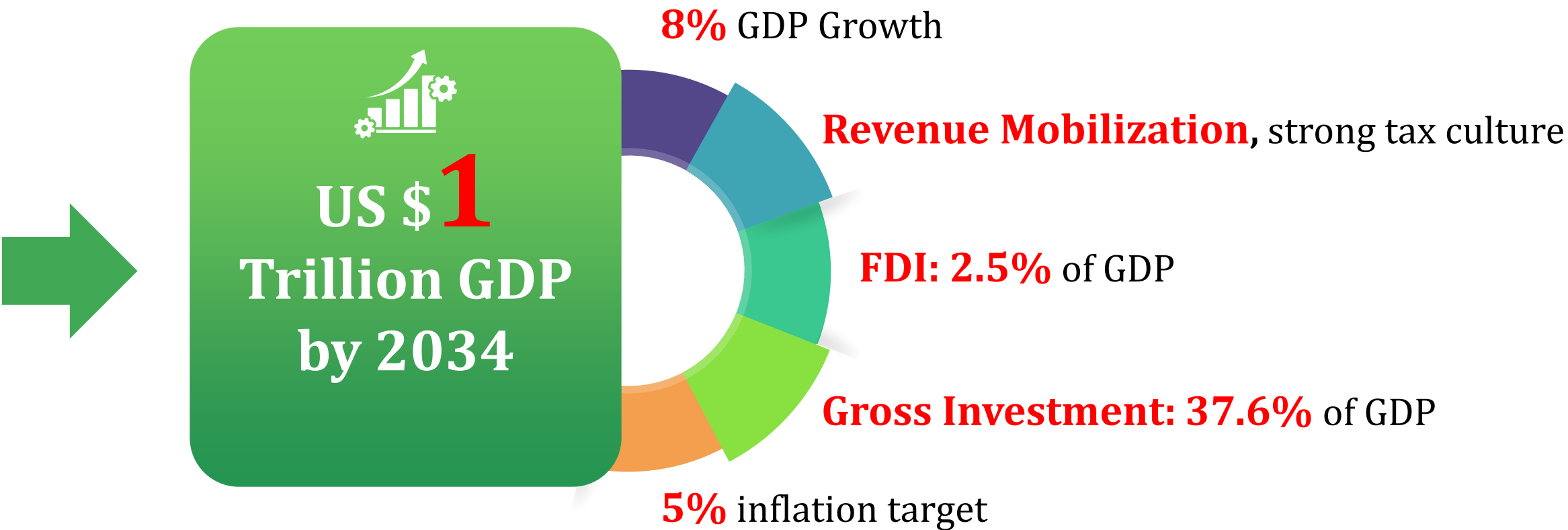
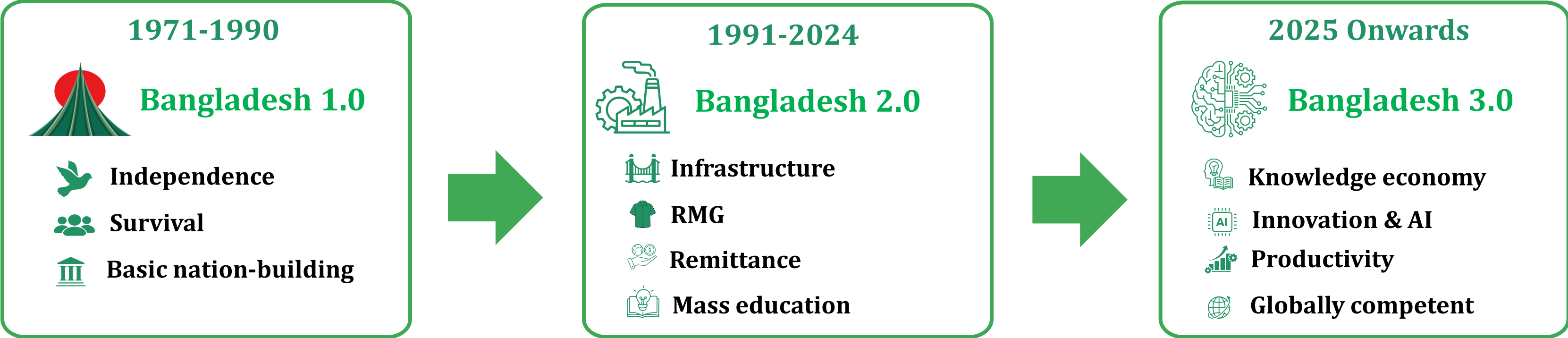
Satyendra Nath Bose



Fazlur Rahman Khan

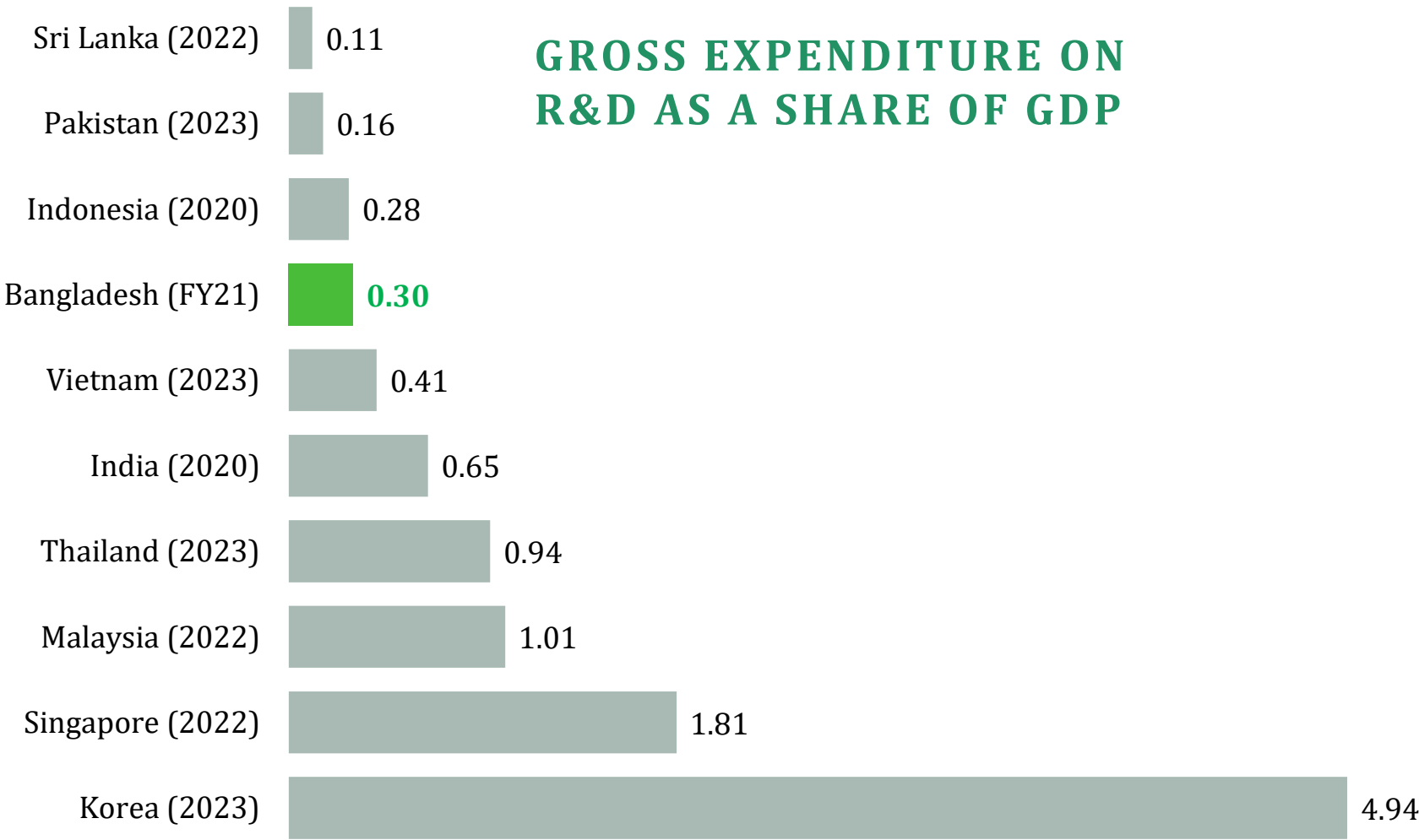
16-18th Century

Bangladesh: Past, Present & the Future

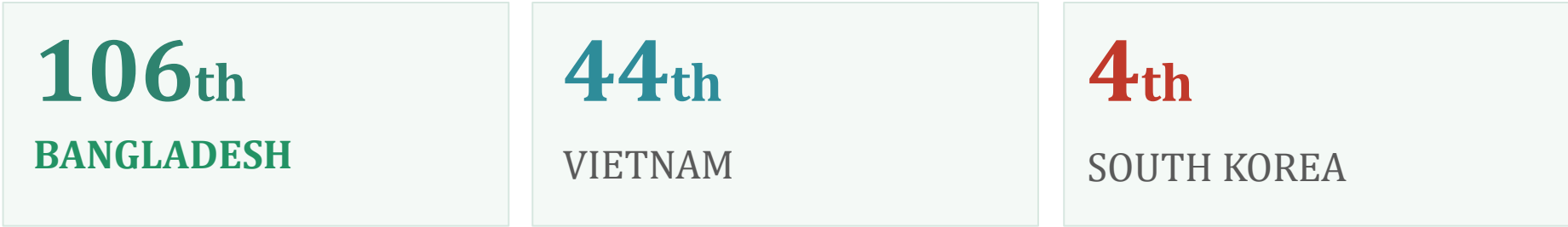


Three Take-Offs, Three Trajectories

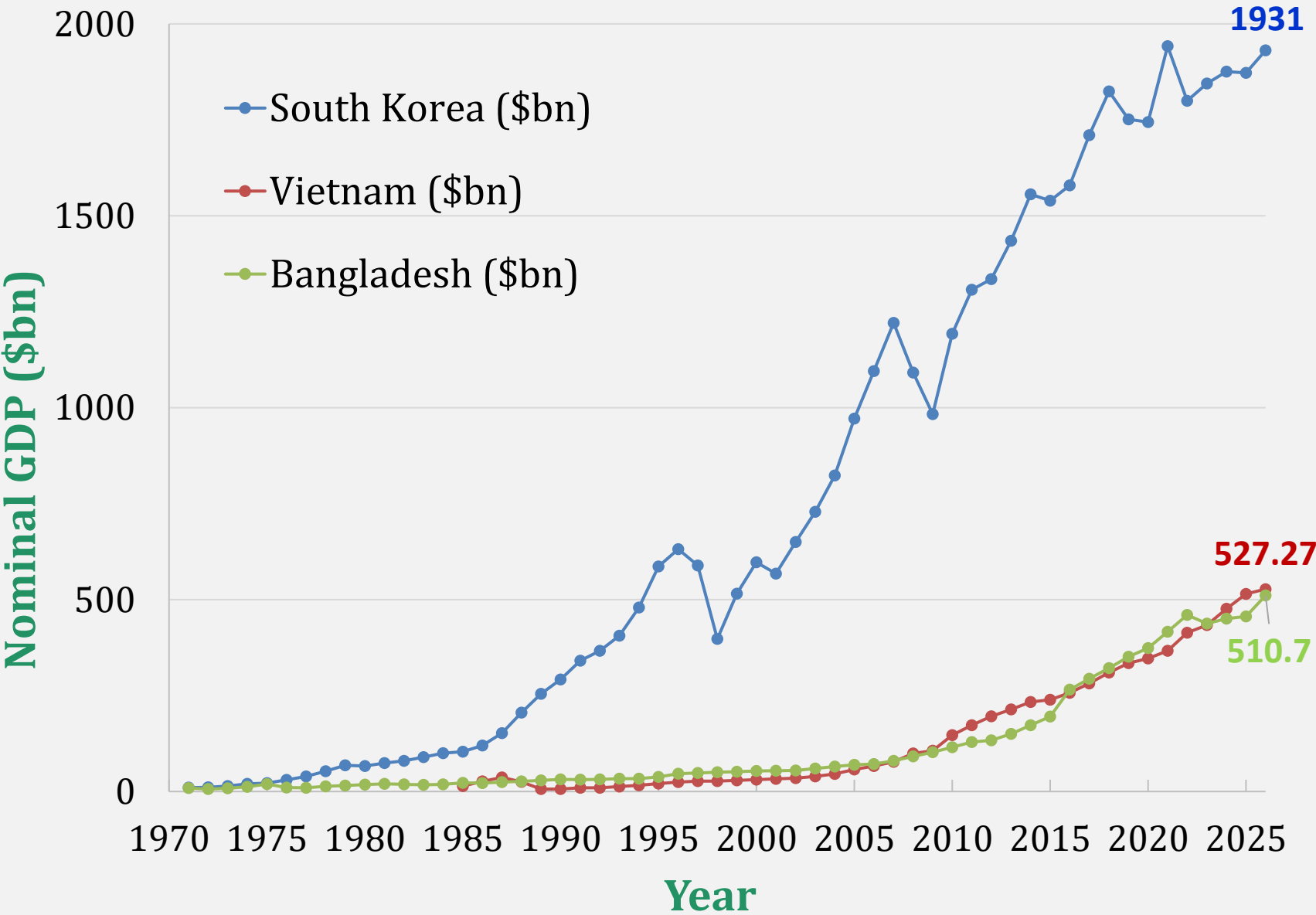
GROSS EXPENDITURE ON R&D AS A SHARE OF GDP



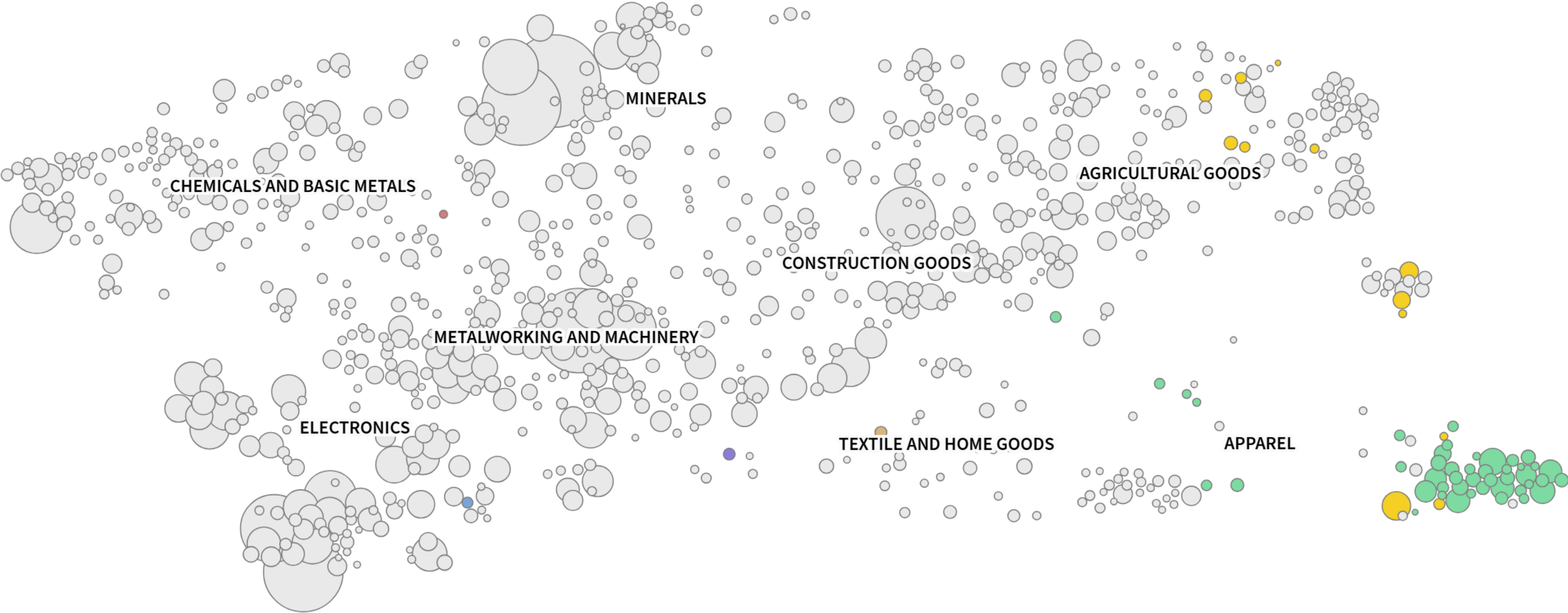
GLOBAL INNOVATION INDEX



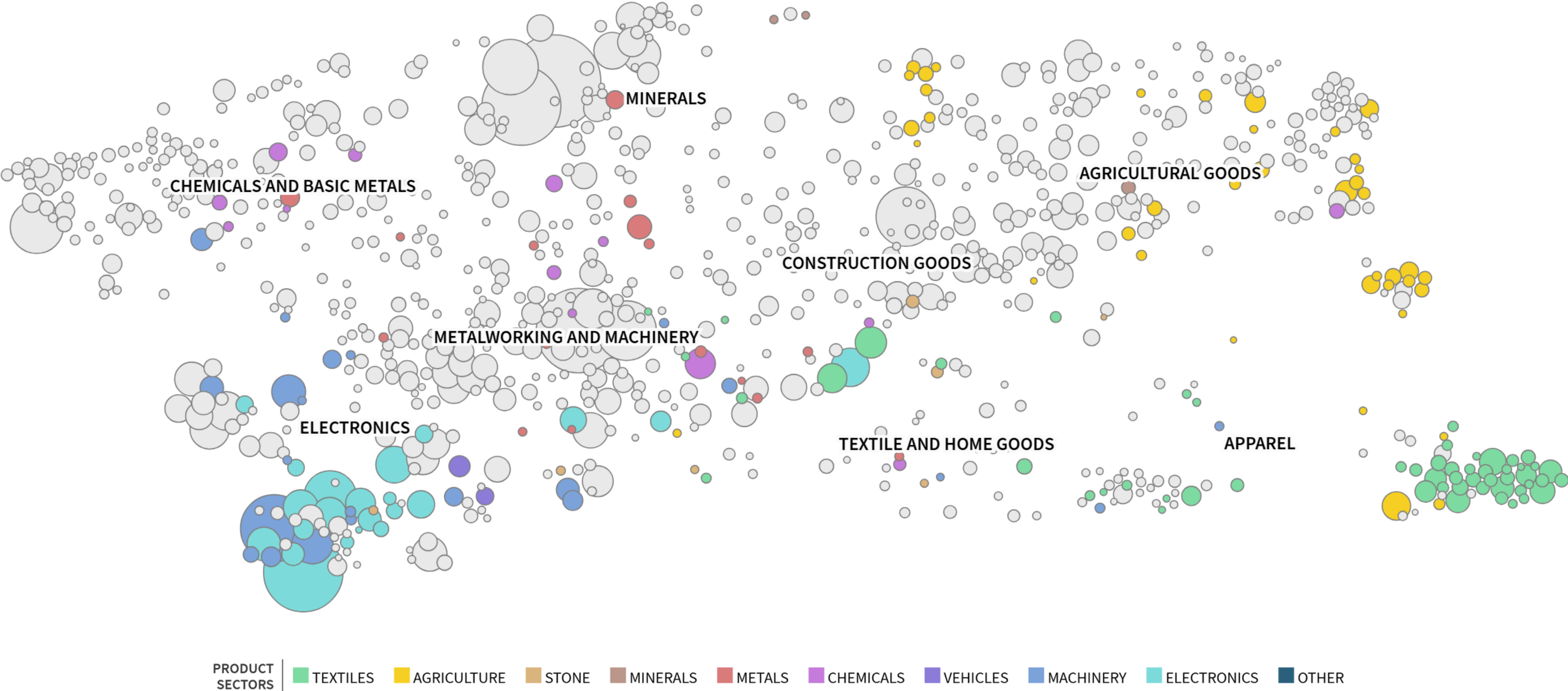
Innovation investment compounds into economic power



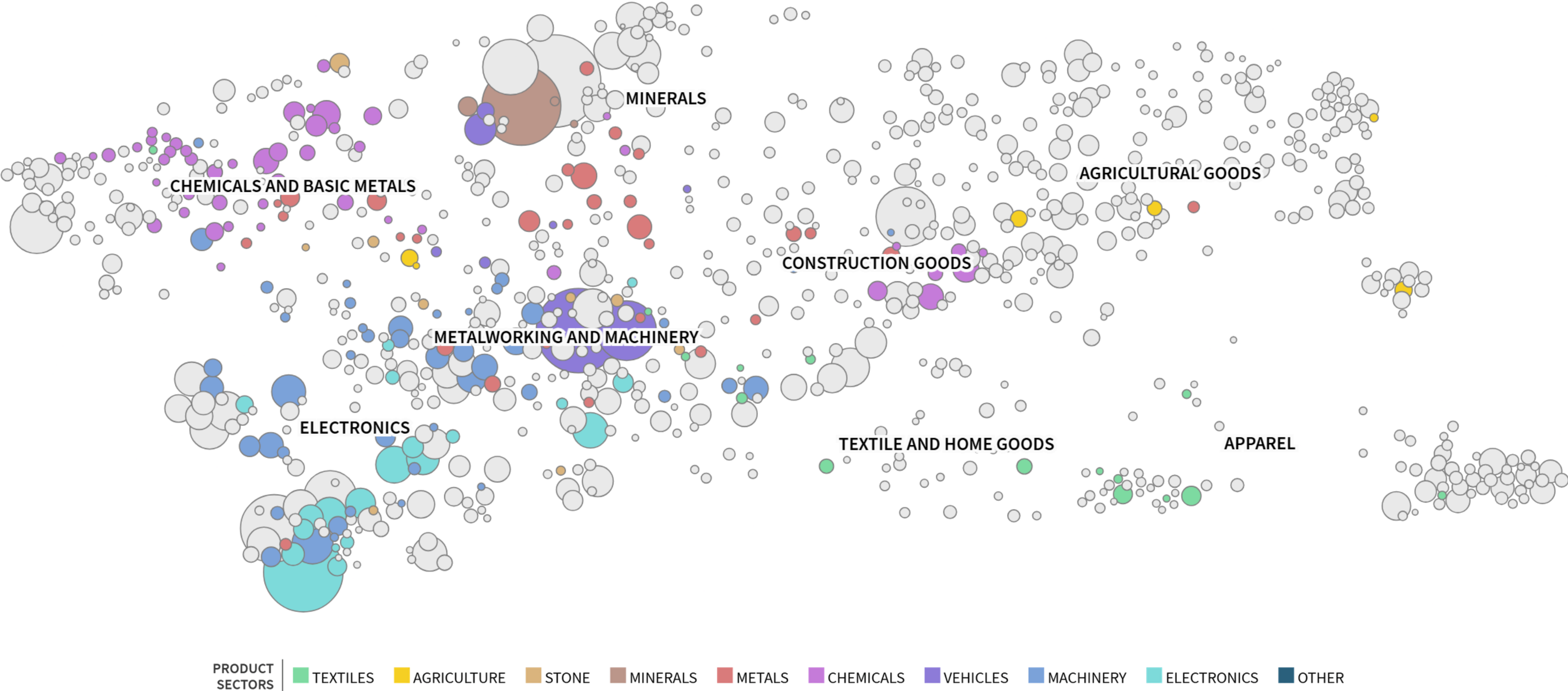
Product Space: Bangladesh



Product Space: Vietnam

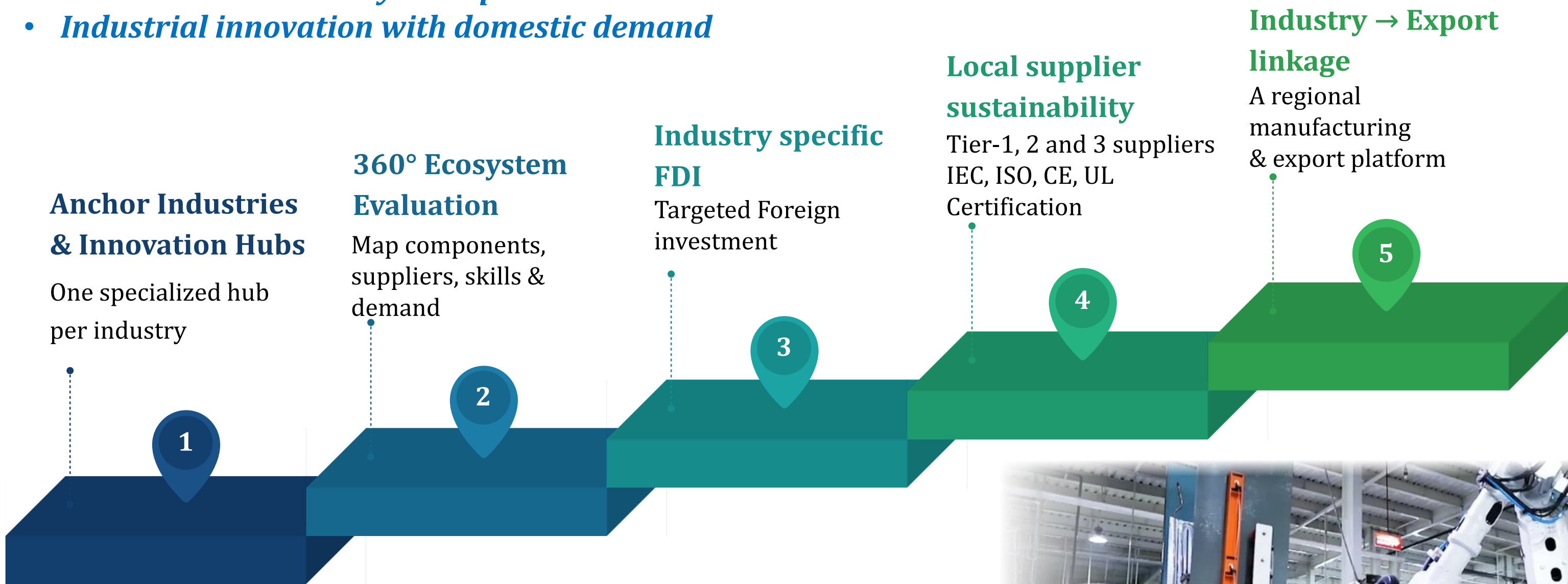


Product Space: South Korea



Innovation Ecosystem: Industry Perspectives

- *Innovation-to-industry-to-Export*
- *Industrial innovation with domestic demand*



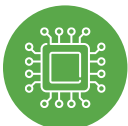
ANCHOR INDUSTRIES



Pharmaceuticals



RMG



Electronics Assembly



Agro-processing



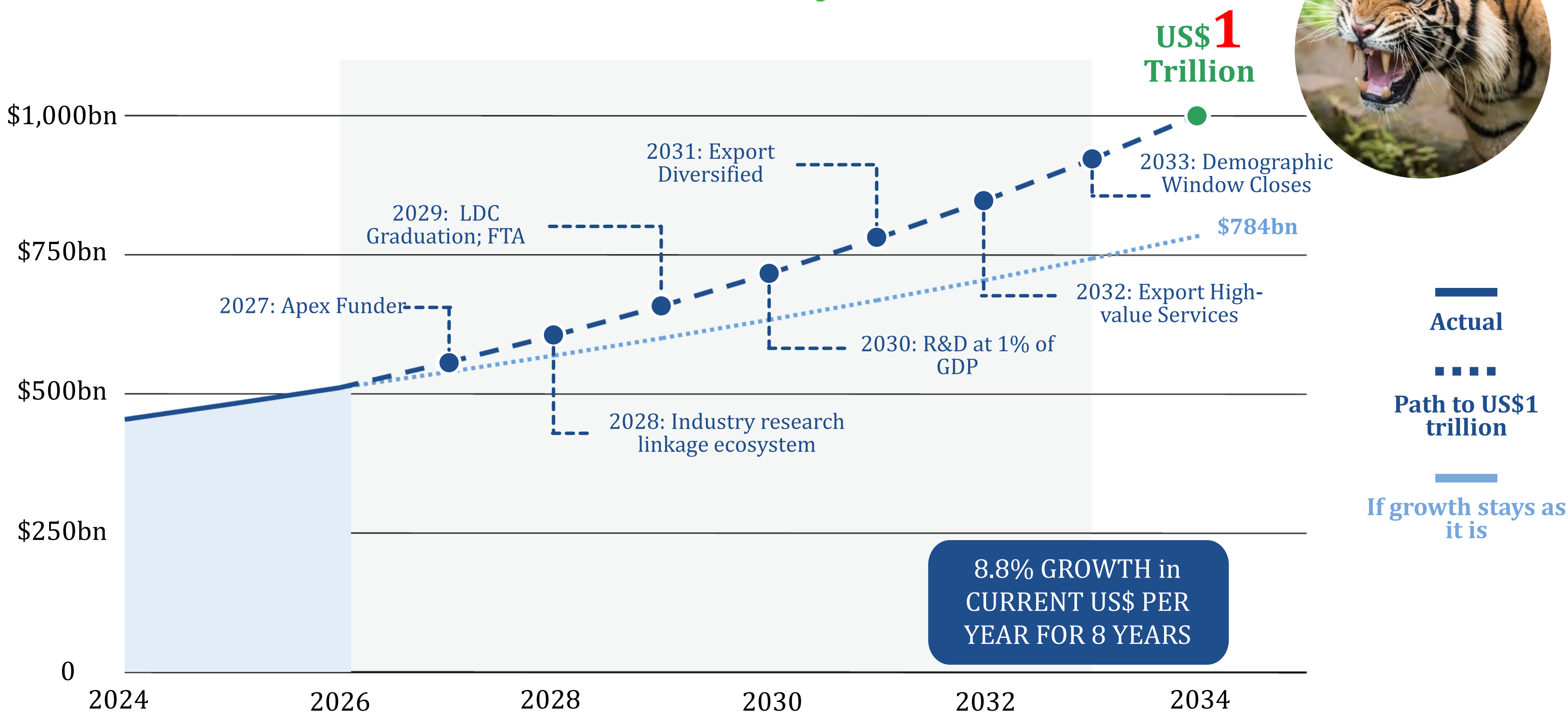
Leather & footwear



Shipbuilding

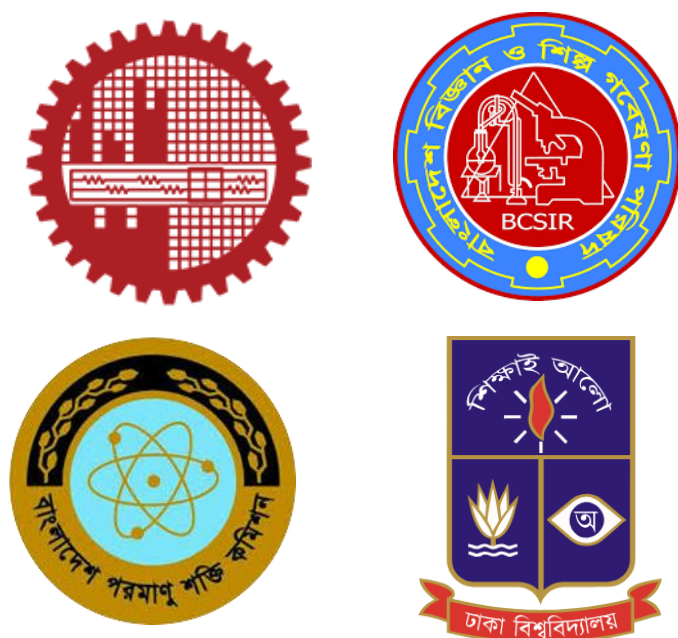


Path to a Trillion-Dollar Economy



Innovation Ecosystem: Institutions

BUILD on current institutions



ESTABLISH a Postgraduate Research & Innovation Focused University



ESTABLISH a National AI Institute



CREATE a National Science & Innovation Foundation



REFORM DPDT & University TTOs

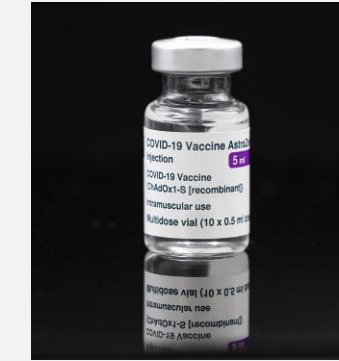


REFORM NSDA for University & Industry-linkages



Innovation Ecosystem: Approaches & Policies

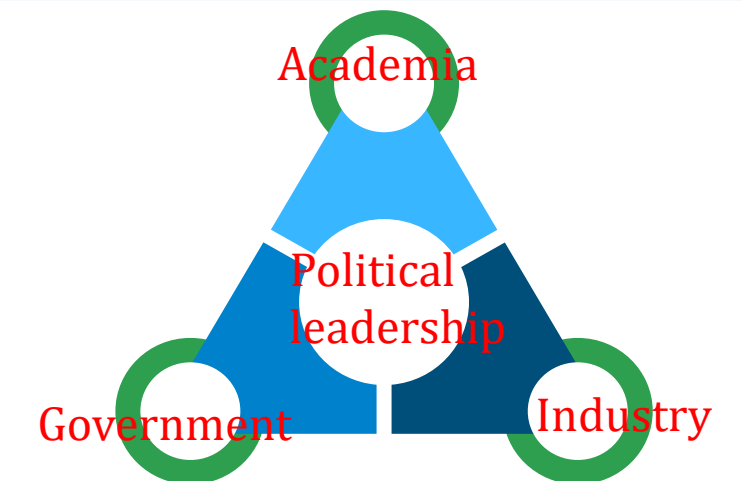
- **Change of mindset:** Consumers to creators



- **Funding continuum:** Basic & applied research, innovation, incubation, startup, commercialization, and government leveraging uncertainties and private sector mitigating risks

- **Innovation ecosystem within the academia:** Research-to-market, IP policy, Startups & spin-offs
 - Service act & Faculty members' dilemma in getting involved

- **Collaboration within the institutions and between:**



- **Science diplomacy**



UK Research
and Innovation



wellcome trust



- **Innovation** for National Sovereignty
- **Sovereign Capacity** for Innovation



Beyond the Trillion

The trillion is a milestone.
Better lives are the mission.

