







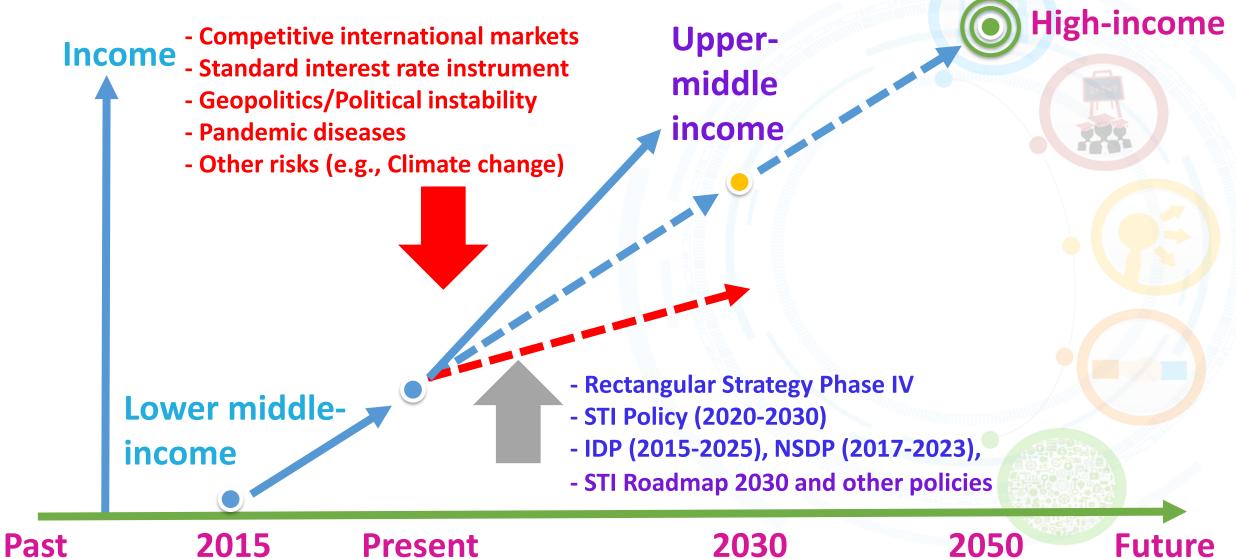


## National Innovation System: Cambodia

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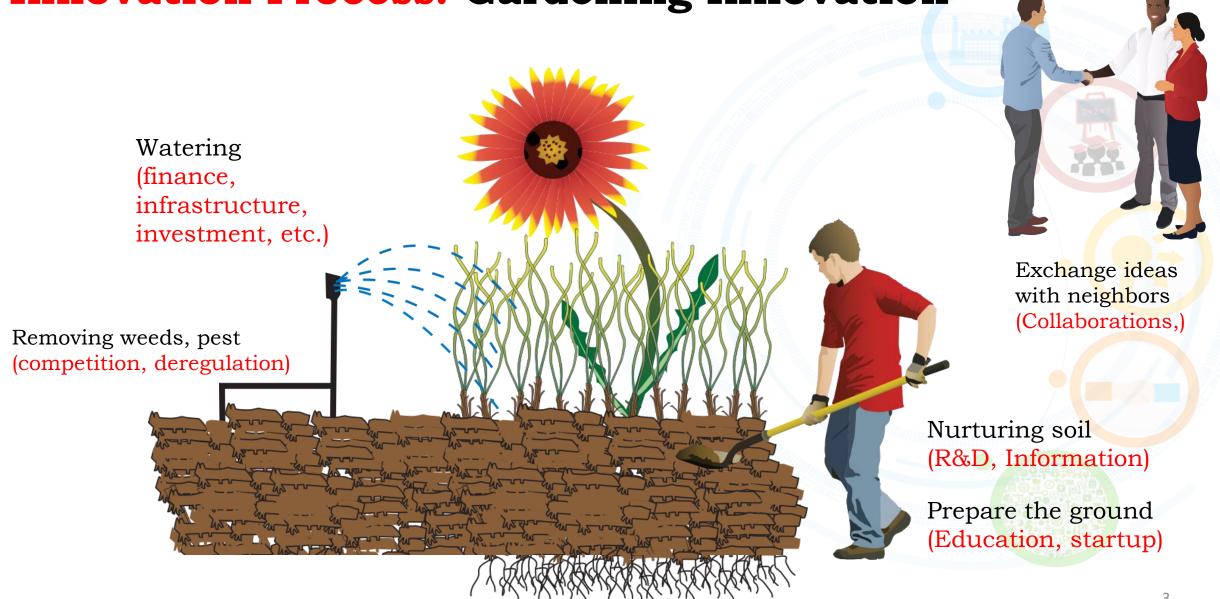
General Department of Science, Technology & Innovation Ministry of Industry, Science, Technology & Innovation

#### Government's vision

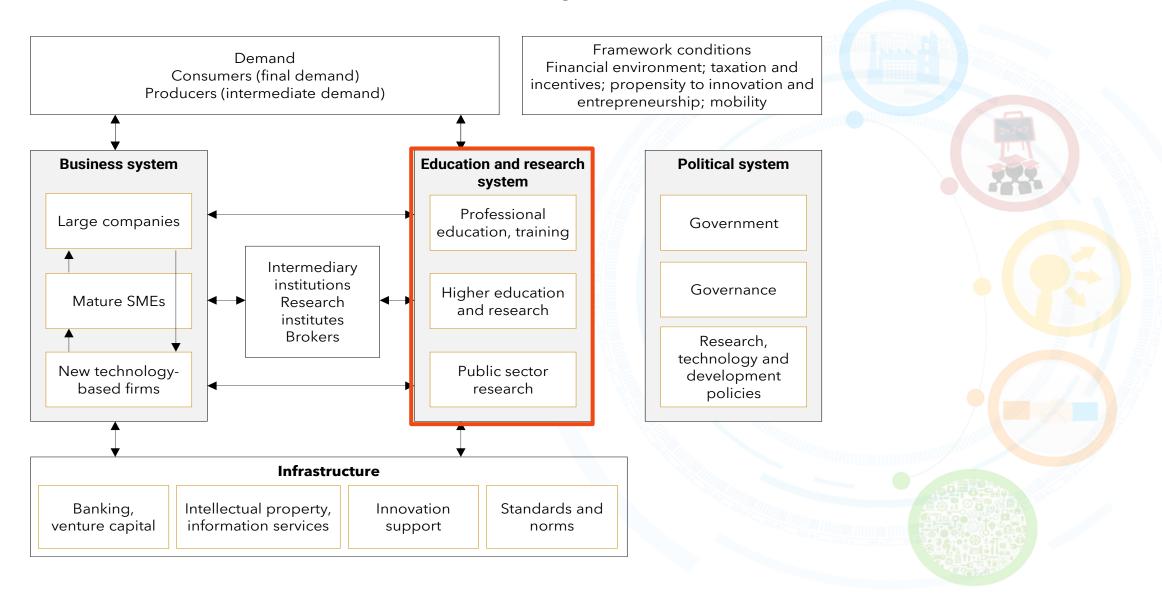


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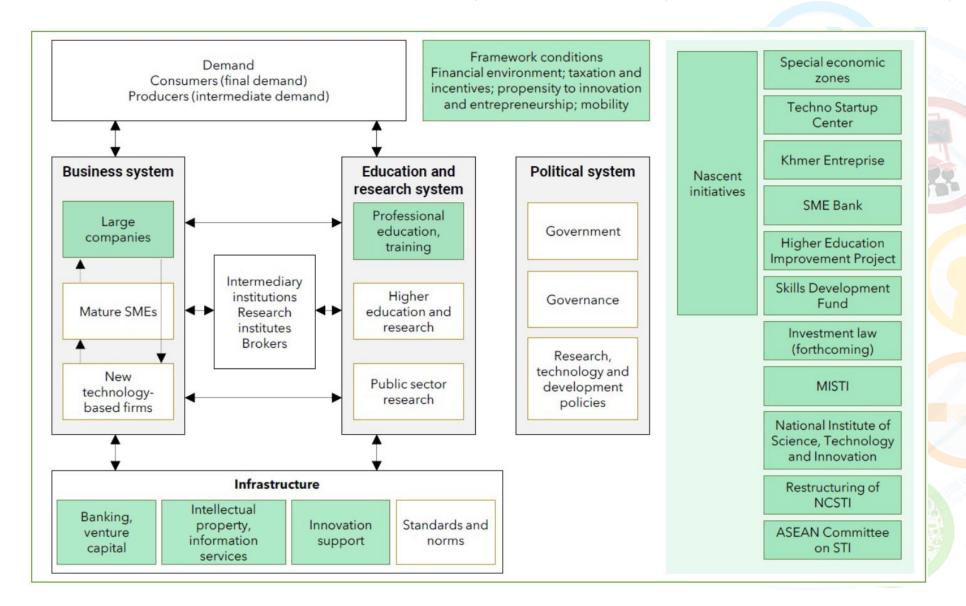




### **National Innovation System**



### National Innovation System (Strengths)







This CAMBODIA'S Science Technology & Innovation (STI) Roadmap 2030 is built on various national policies and strategic plans.



#### **Our Goal**

STI will be a pivotal driving force and locomotive for future socio-economic development by accelerating the structural transformation that shifts development pathway from labor intensive to skill-based economy. CAMBODIA's STI Roadmap 2030 will serve as a strategic document that help guide key actors in the National Innovation System to take critical actions to achieve the pre-defined milestones in a specific timeframe, under the coordination of Ministry of Industry Science Technology & Innovation (MISTI) and the guidance of National Council of Science Technology & Innovation (NCSTI).

#### **Our Expectation**

CAMBODIA's STI Roadmap 2030 targets 5 pillars: Governance, Education, Research, Collaboration and Ecosystem. Policy targets and specific activities with measurable instruments and indicators in a certain timeframe have been proposed for actors to implment. Hence, this roadmap will be a crucial asset for the realization of Vision 2030 & 2050.

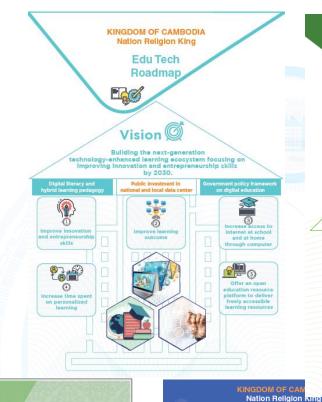
GOVERNANCE	EDUCATION	RESEARCH	COLLABORATION	ECOSYSTEM
MISTI as the lead coordinator of the National STI Policy, under the guidance of NCSTI     1 % of GDP invested in STI, half from public, by 2030     Progress of public funding for socioeconomic development by 2030	graduates by 2030  • Master and PhD curricula developed with private sector before 2024  • Technology platforms set up at the university	National Research Fund set up by 2023  1% of GDP invested in R&D by 2030,  1500 scientific publications by Cambodian scientists in international journals by 2030	establishing University- Industry Linkage Office by 2023, 50% of universities by 2030 • Internships in industry included in curricula by 2030 • STI park and cluster policy approved by	Fostering an enabling ecosystem for building absorptive capacities in firms & attracting investments in STI  Technology Transfer Law and mechanism developed and fully deployed by 2023 Intellectual property regime enforced by appropriate mechanisms by 2023 Above average of Global innovation index in ASEAN by 2030
	2023			

## Some Policy Mix

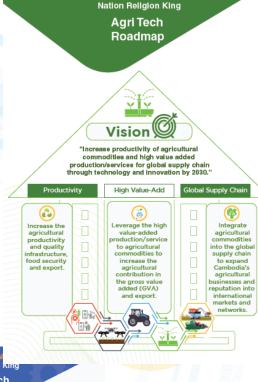
Governance	Education	Research	Collaboration	Ecosystem
Assign leadership role of MISTI	Co-design and monitor on STEM	Set up National Research Agenda	innovative cluster and park	Broaden mandate of SME Bank
Co-develop sectoral National Innovation Plan	Science Museum, Library, Day	Research in university mission	UIL office in university	Incentive investment law, Tech transfer law
Entrust NCSTI to approve direction	Best STEM students	Incentive for research	Train the mentors	Entrepreneur coaching and competition
Capacity training on policy design, data gathering, M&E	Collaboration with private	Dialogue with researcher	Incubation facilities and programmes	Provide service for scale up
3 year Enterprise innovation survey	Digital tech in curriculum	Grant	Funding	Increase investment readiness

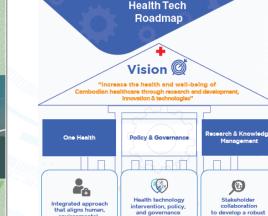
#### Developed documents





MINISTRY OF INDUSTRY, SCIENCE.





require collaboration

research culture and industrial knowledge management processe

environmental, and animal health





Ministry of Industry, Science, Technology & Innovation (MISTI)

### Recent adopted policy documents



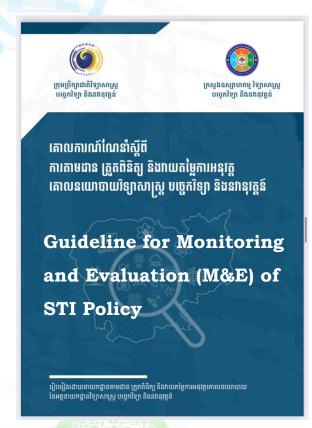
#### National Research Agenda











### National Research Agenda

- **'Local food'**: 70 percent of Cambodia food consumption is produced locally
- **'Reliable Energy Supply'**: 90 percent of energy consumption is generated locally
- 'Quality Education': Education meets international quality standards
- **'Electronic and mechanical spare parts':** Cambodia exports 70 percent of the electronic and mechanical spare parts produced in the country
- 'Cloud-based services': Cambodia's cloud-based services development is on par with ASEAN
- **'Electricity and potable water':** All Cambodians have access to reliable electricity and safe potable water
- 'Carbon neutrality': Cambodia becomes a carbon neutral country
- 'Digitally-enhanced health': All Cambodians have access to digitally-enhanced health services



#### National Research Agenda





#### **Current Drafting Policy and Regulation and Initiatives**

- Tech Transfer Law
- R&D Management Sub-decree
- STI Parks Management Sub-decree
- Talents Grant-in program
- Technology roadmaps for Energy, Tourism and Digital Sectors
- Monitoring, Inspection and Evaluation (M&E) Framework of Cambodia's STI Roadmap 2030
- National STI's Day
- ASEAN Technology Management Hub
- Science and Technology Human Resources Database Inventory











# Thank You

