ASEAN-INDIA GRASSROOTS INNOVATION FORUM 2022

STI Cooperation

Grassroots Innovation

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New ideas can emerge everywhere

when present solutions are.....

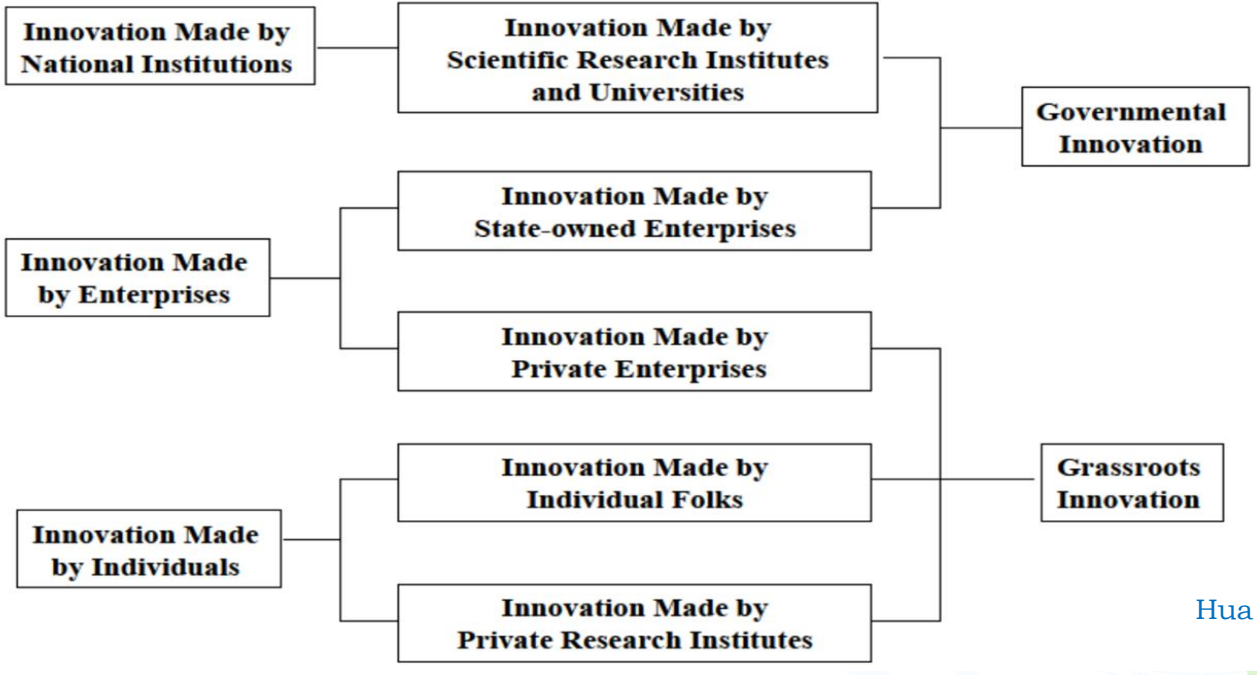
- either inefficient or completely absent
- unaffordable
- inaccessible
- not commercialized

Innovations from grassroots emerge in different ways

- **Spontaneous innovations:** formal R&D activities, market and public policy have little reach or interest
- **Induced innovations:** induces the community or individual to come up with a solution to a certain problem, challenge award
- **Co-creation:** summer school and the children creativity camps

How to Cooperate?

Definition of Grassroots Innovation



Hua et al., 2010

Technology Transfer...

- ***Technology*** can be licensed or transferred to interested entrepreneurs that could commercialize it.
- ***Transfer*** may be under different clauses, exclusive or non-exclusive, as agreed mutually.
- ***Payments*** can be upfront, deferred, based on royalty fees or a combination of these.

Drafting Law on Technology Transfer

S&T Cooperation

...through ASEAN-COSTI

- APASTI 2016-2025, Preparing APASTI 2026-2035
- ASEAN-DP PoA
- ASEAN-India Grassroots Innovation

...to Promote Grassroots Innovation

- Challenge awards,
- Summer school,
- Creativity workshops,
- Volunteers,
- School/teachers networks,

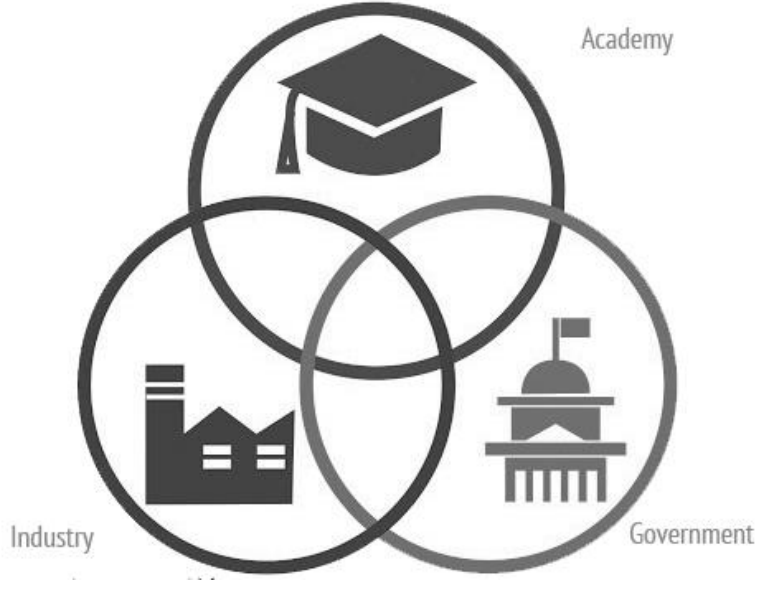
Innovation Mindset

Technovation Cambodia : Started in 2014 to encourage social innovation and technology entrepreneurship among girls. The participants submit projects wherein they identify local problems and learn coding to make apps that can address the challenges.

National /Federal Support

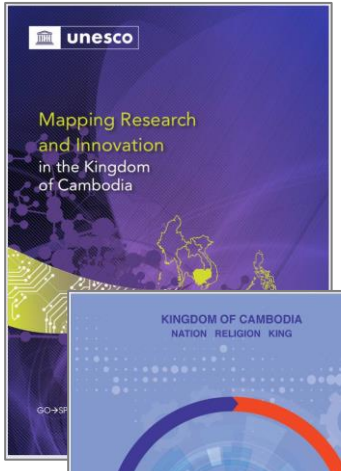
One-Village-One-Product policy in 2000 : Individual villages to select and produce one competitive staple product which will generate economic returns and bring prosperity to the village

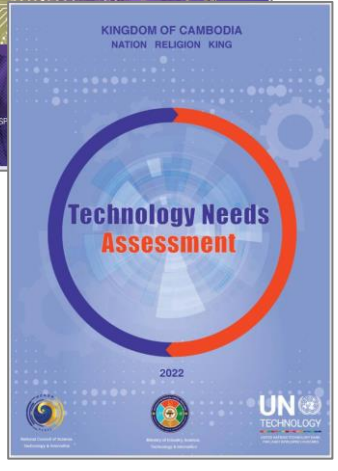
Challenges…

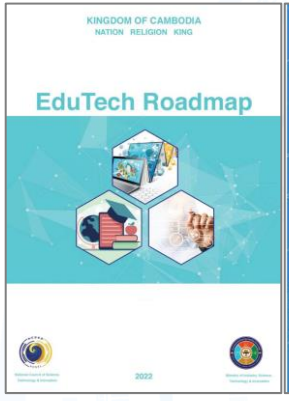


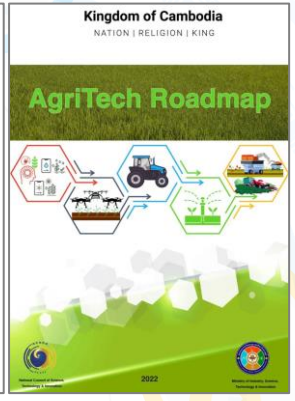
- Locally-specific, yet widely-applicable,
- Appropriate to, yet transforming situations
- Project based solutions, yet seeking structural changes
- Lack of available model for the transfer of tech.
- Less network among grassroots innovators.

Current Outputs







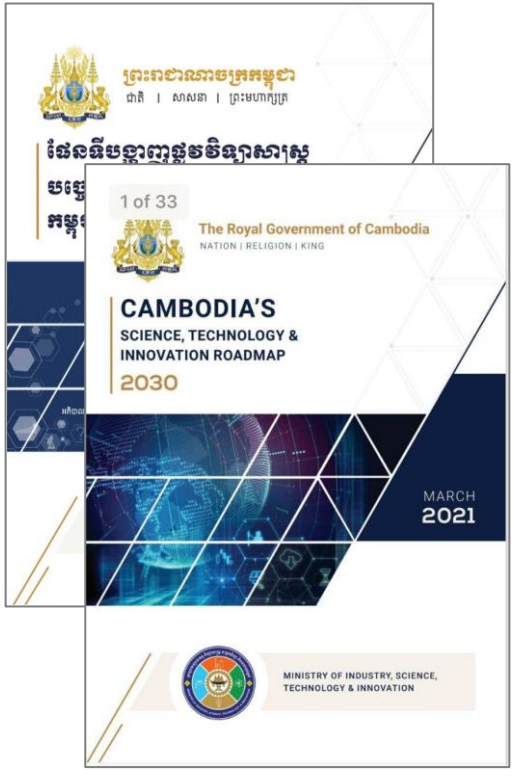


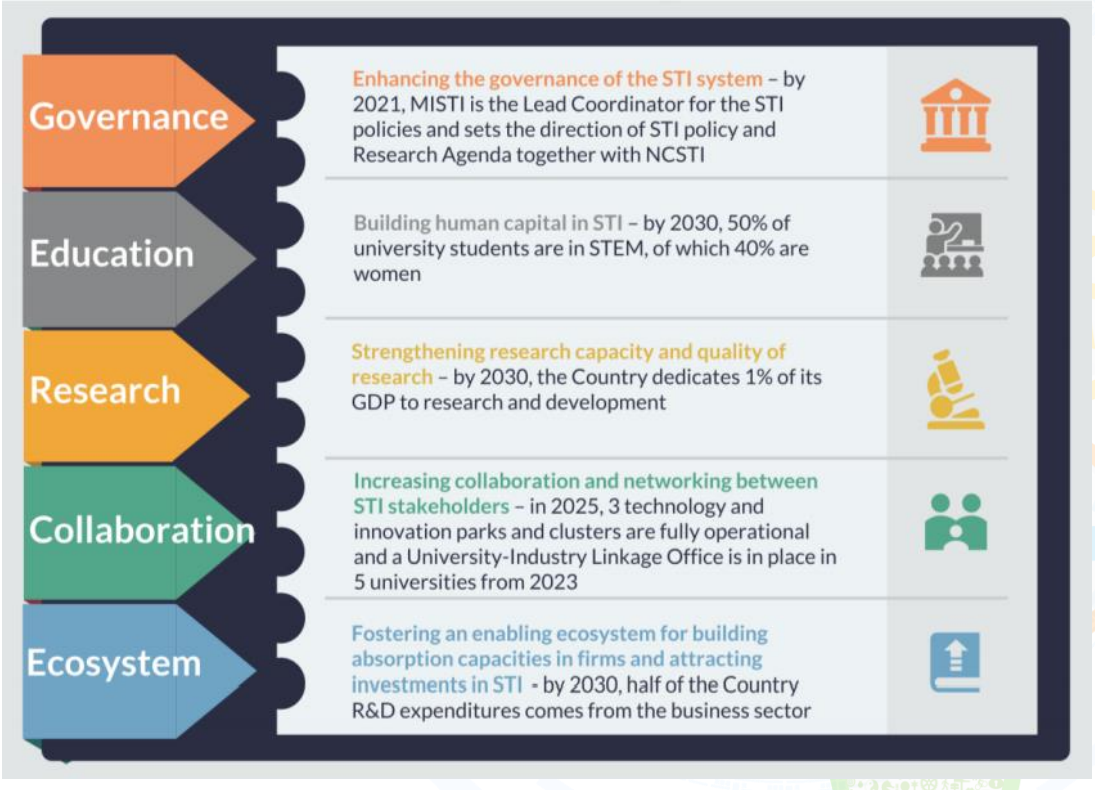
Energy Technology Roadmap

Tourism Technology Roadmap

Digital Technology Roadmap

Cambodia's STI Roadmap 2030





Cambodia's STI Roadmap 2030

Pillar 4. Collaboration : Increasing the collaborations and networking between STI stakeholders

- Making universities and research institutions more open to the private sector
- Rolling out incubation and acceleration facilities across provinces to support start-ups and SMEs scale-up
- Piloting technology and innovation and clusters to generate knowledge transfers between large firms, SMEs, and higher education and research institutions.

S&T Cooperation

Mandates of GD/STI, MISTI

- Establishing networks and linkages to promote R&D and Innovation.
- Collaborating with relevant stakeholders to promote the culture of innovation and competition of businesses and institutions based on STI knowledge.
- Organizing collaboration on STI including Open Innovation with regional and international partners.
- Organizing and participate in all events address to promote and disseminate industry, STI.
- Negotiating, concluding and implementing STI Agreements between Cambodia and other countries.
- Providing interventions on STI aspects in national and international forums…

Thank you