STI Roadmaps for the SDGs

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The need for a next generation STI policy framework

SDGs
- economic, social and environmental
- leave no on behind
- time bound

4IR
- jobs
- ethics

How does STI policy for SDGs differ from traditional STI policy?

POLICY AREA	TRADITIONAL	NEXT GENERATION
Institutions & Infrastructure	R&D facilities / Science parks	Incubators / Accelerators / Makerspaces
Financing STI	R&D as a % of GDP / FDI	Impact investing
Human Capital	STEM	Social entrepreneurship / Tech ethics
Inclusiveness	PHDs / Doctorates / Beyond triple-helix	Women & girls / Grassroots innovators / Civil society
Innovation lifecycle	Early-stage exploration / Emerging tech	Later-stage deployment / Current tech
Approach	Curiosity-driven	Mission-driven

The first thing that popped up on Google search

Roadmap: *schedule as part of a lengthy or complex program*

Strategy: *a plan of action or policy designed to achieve a major or overall aim*

Policy: *a course or principle of action adopted or proposed by a government, party, business, or individual*

Some thoughts…

- Should the guidebook start with consideration of a country's **STI "maturity" and context** (cultural, political, social, economic, environmental), offering **different "routes"** for STI development?

- **Embedding SDGs in STI policy or STI in SDG plans?**
  - ✓ will dictate entry point – Ministry of STI / Planning / other?

- **Innovation policy or "innovative policy"**
  - ✓ E.g. private sector policies (UBI, CSR Law, tax breaks for investment in life-long learning, social enterprise legislation, banning single use plastics)

- **Innovating how we develop STI policy**
  - ✓ open policy-making, human-centered, demand-driven

Thank You

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