The Achievements of the UN Working Group for STI Roadmaps for the SDGs

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UN Secretary’s General 10-Member Group to Support the Technology Facilitation Mechanism
The "Technology Facilitation Mechanism" (TFM) has three components:

1. A United Nations Interagency Task Team on Science, Technology and Innovation for the SDGs (IATT), including the 10-Member Group of representatives from civil society, the private sector and the scientific community.


3. An online platform as a gateway for information on existing STI initiatives, mechanisms and programs.

https://sustainabledevelopment.un.org/tfm#intro
STI for SDGs Roadmaps workstream and progress

- **2016**
  - Suggested by 10MG expert group
  - Background IATT research

- **2017**
  - Stocktaking
  - Establishing program of work
  - STI Forum Chairs: Kenya, USA

- **2018**
  - Guidebook (initiated)
  - Online Platform prototyped
  - Expert consultations (3)
  - STI Forum Chairs: Japan, Mexico

- **2019**
  - Guidebook (draft)
  - Country pilots
  - Connect to Online Platform
  - Expert consultations (2)
  - STI Forum Chairs: Barbados, Czech Republic

- **2020**
  - Guidebook (1st edition)
  - Country pilots
  - Online Platform (2030 CONNECT)

- G20 Osaka (2019.06)
  - “Guiding Principles for the Development of STI for SDGs Roadmaps”
- TICAD7 (2019.08)
What are STI for SDGs Roadmaps?

- Implementation focused instruments
- Vary by context and level – subnational to global
- Connect STI ‘demand’ to ‘supply’
- Deploy solutions based on existing, new and emerging technologies
- Multi-stakeholder approach with emphasis on equitable participation
- Identify concrete collaboration, financing, capacity, international cooperation interventions
- Stimulate global search for effective solutions
- Monitor and evaluate the progress of STI for SDGs
The Guidebook for the Preparation of Science, Technology and Innovation for SDGs Roadmaps

Intersection of Development, STI and SDG Plans and Key Actors

SOURCE: A Guidebook for the Preparation of STI for SDGs Roadmaps
The Framework of STI for SDGs Roadmaps

Process flow of six key steps in the development of STI for SDGs roadmaps

1. Define objectives and scope
2. Assess current situation
3. Develop vision, goals and targets
4. Assess alternative pathways
5. Develop detailed STI for SDGs roadmap
6. Execute, monitor, evaluate, and update plan

Key Inputs:
- Stakeholder consultations
- Technical and managerial expertise
- Data & evidence base

Three levels of STI For SDGs Roadmaps

- Data, evidence
- Intl. expertise
- Good practices
- Needs and gap assessments

- Monitoring progress
- Planning & matching resources

- Private initiatives
- Local and indigenous knowledge

SOURCE: A Guidebook for the Preparation of STI for SDGs Roadmaps
Online platform: 2030 CONNECT

2030 CONNECT
a United Nations online technology platform for the SDGs

2030 Connect is a dynamic new tool for entrepreneurs, innovators, students and leaders from around the world seeking to exchange ideas and technology, build networks, and work to advance the Sustainable Development Goals (SDGs).
Global Pilot Programme on STI for SDGs Roadmaps

1st Phase Pilot Programme

- **Pilot Countries**: Ethiopia, Ghana, India, Kenya, and Serbia
- **Partner Countries**: Japan and the European Union
- **Supporting Organizations**: DESA, World Bank, UNESCO, UNCTAD, FAO, ESCAP, UNDP

**Objectives:**

- **Test out the guidebook** on building STI for SDGs Roadmaps as a policy-making and communication tool for Member States;
- **Build capacity** for and scale up adoption of the Member States’ STI for SDGs Roadmaps;
- **Promote good practices**, knowledge sharing, peer learning, international cooperation and partnerships on design and implementation of such roadmaps;
- **Maximize opportunities and mitigate risks** of STI and frontier technologies to accelerate achievement of the SDGs; and
- **Leveraging and mobilizing resources**
Three pillars for international STI collaborations for the SDGs

1. Build country STI capacity
   - Develop human, institutional and policy capabilities of key STI actors, build STI infrastructures
   - Help design STI for SDGs Roadmaps

2. Boost international STI flows
   - Support market and non-market flows of STI across countries
   - Support cross-country STI collaboration to address local challenges

3. Broker STI coalitions
   - Mobilize ambitious STI collective actions to address global critical gaps
   - Transform global STI system toward acceleration of SDGs

SOURCE: A Guidebook for the Preparation of STI for SDGs Roadmaps
Lessons learned from COVID-19

- Preparedness for pandemic risks – resilient society
- Speed of science, technology, innovation, and delivery
- Leveraging digital technologies and data
- Open science for global public goods
- Transdisciplinary approach
- International STI cooperation
- Science-policy-society interfaces
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Thank you for your cooperation

The UN Working Group of the STI for SDGs Roadmaps:
UN-DESA, UNCTAD, World Bank, UNESCO, UNIDO, ESCAP, ESCWA, WIPO, UNU, 10 Member Group, OECD, G-STIC, EU-JRC, JST