United Nations – MoST Joint Capacity Building Workshop on Science, Technology and Innovation for Sustainable Development Goals:

Special Session on STI for SDGs Roadmaps: country experiences and international partnerships

December 15, 2019
Guilin, Guangxi Province, China

Draft Concept Note

Background

The 2030 Agenda for Sustainable Development, which was unanimously adopted by all UN Member States, reaffirmed Science, Technology and Innovation (STI) as a key means of implementation and launched the Technology Facility Mechanism (TFM) to support the 17 Sustainable Development Goals (SDGs). Responding to this affirmation, the United Nations Inter-Agency Task Team (IATT) together with a group of 10 high-level representatives from civil society, the private sector and the scientific community (10-Member Group) have been developing the *Guidebook on Development of Science, Technology and Innovation roadmaps*.

The IATT further launched *a Global Pilot Programme on STI for SDGs roadmaps* as a mean for engaging countries in piloting the approach and methodology, as elaborated in the *Guidebook*. Consequently, during the UN High Level Political Forum in July 2019, IATT announced the five pilot countries participating in the first phase of the Global Pilot Programme: Ethiopia, Ghana, India, Kenya and Serbia. In addition to those pilot countries, the European Union and Japan have joined the Global Pilot Programme to strengthen international partnerships on STI for SDGs roadmaps. In total, more than 20 countries, including a number of Asian and African countries[1], have expressed interest in joining the programme to implement the roadmaps along the guidelines of the *Guidebook*.

Furthermore, this year's G20 outcome package (Osaka Leader's Declaration, May 2019) contains guiding principles for the STI for SDGs roadmaps. Such developments indicate a growing recognition in the international arena for the importance of countries in developing STI roadmaps for the SDGs within their overall action plans to implement policies and actions in support of the SDGs.

Objective

The overarching objective of the Special Session on STI Roadmaps for the SDGs is to cultivate peer-learning environment among the pilot countries based on the current state of national STI for SDGs roadmap preparation and for the pilot countries, partners and UN-IATT to advance the planning for international partnerships to support roadmaps, including through systematic multi-stakeholder engagements. Accordingly, the Special Session on STI Roadmaps for the SDGs will be structured as follows:

(1) An opportunity to present the current state and future plans on the Global Pilot Program and the *Guidebook,* and seek inputs for further improvements in quality and impact of IATT's work on

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[1] Cambodia, China, Indonesia (Oman and Republic of Korea), Botsuwana, Chad, Rwanda, South Africa, and Tunisia as of July 1st, 2019.

roadmaps;

(2) An occasion to share the initial experiences of pilot countries and their IATT focal-points/partner agencies and to look for emerging good practices, lessons learned and critical gaps to be addressed;

(3) A time to discuss specific ways for the IATT to broaden/deepen multi-stakeholder engagements and promote international partnerships as part of the Global Pilot Programme and in support of the pilot countries.

Structure

A half-day morning time of the Special Session on STI Roadmaps for the SDGs will be structured into three parts. The first section will give a quick review/overview of the *Guidebook on Development of Science, Technology and Innovation roadmaps* and the Global Pilot Programme on STI for SDGs roadmaps. The second section consists of presentations by the participating pilot countries and their current status of their projects, followed by a moderated panel discussion. The third section will focus on strengthening International Cooperation and multi-stakeholder involvement in the pilot countries through a panel discussion as well as open discussion participated by IATT agencies, international partners and experts, some of whom will join remotely.

Participation

Out of the five pilot countries selected for the first phase of the Global Pilot Programme on STI for SDGs Roadmaps, three of them---Kenya, India and Serbia---will be participating and presenting their progresses. The Special Session is also aimed to benefit participants of the Joint Capacity Building Workshop, who are STI policy practitioners / experts and STI policy-makers from Member States, especially from the least developed countries (LDCs) and selected middle income developing countries (MICs) from Asia and Africa. In addition, Members of IATT-STI and the 10-Member Group, and representatives of key partner institutions involved in STI roadmaps, including ESCAP, WIPO and UNOPS, are expected to attend the meeting.

Date and Venue

- The Special Session will be hosted by UN DESA, MOST China and UNESCAP as a part of "United Nations – MoST Joint Capacity Building Workshop on Science, Technology and Innovation for Sustainable Development Goals" (Dec 9-17)

- The session is scheduled as a half-day program in the morning on Sunday, December 15, 2019, combined with bilateral meetings in the afternoon.

- The meeting will be held in The Conference Room, Four Points by Sheraton Guilin, No. 1 Xicheng South Road, Lingui District, Guilin, P.R. China.
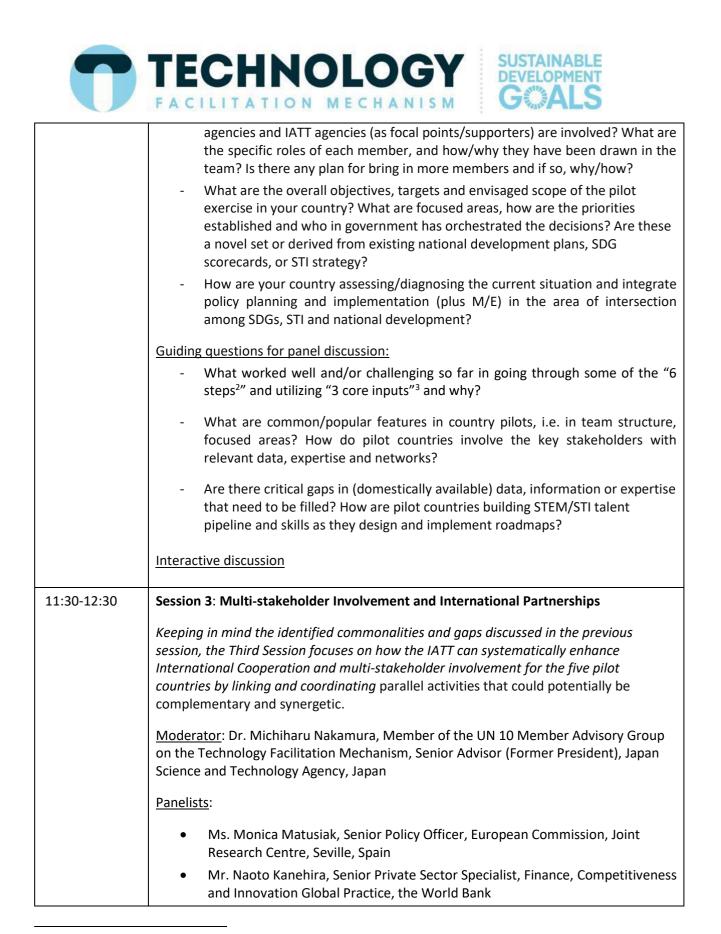
Special Session on STI Roadmaps for the SDGs: country expectations and international support

Agenda
DRAFT as of Dec. 3rd, 2019
Sunday December 15, 2019
The Conference Room, Four Points by Sheraton Guilin,
No. 1 Xicheng South Road, Lingui District, Guilin, P.R. China

Main Session	
10:00 – 10:10	**Session 1: Welcome and Overview/quick recap** *After opening and welcome remarks by the co-host/moderator, this session will give a quick review of the material and discussion from Session 10 on the Global Pilot Programme on STI for SDGs roadmaps and the draft Guidebook on Development of Science, Technology and Innovation roadmaps. This session will establish the focus of the special session on the pilot country experiences and to dive deeper into the Guidbook.* **Overview and updates of the draft Guidebook** Presenter: Mr. Naoto Kanehira, Senior Private Sector Specialist, Finance, Competitiveness and Innovation Global Practice, the World Bank or Dr. Carl Dahlman, Senior Policy Advisor, the Growth Dialogue (online participation)
10:10-11:30	**Session 2: Country-level Roadmaps** *The second section consists of presentations by the participating pilot countries to present the current status and experiences of their pilot projects for developing country-level roadmaps, followed by a moderated panel discussion to identify emerging commonalities, good practices, and lessons learned.* Moderator: Ms. Mia Mikic, Director, Trade, Investment and Innovation Division, ESCAP *Presenters/Panelists:* • Prof. Tom Peter Migun Ogada, Chairperson, National Commission on Science, Technology and Innovation, and Executive Director, African Centre for Technology Studies (ACTS), Kenya • Prof. Sachin Chaturvedi, Director General at the Research and Information System for Developing Countries (RIS), India • Ms. Tijana Knezevic, Senior Adviser, Ministry of Education and Science, Serbia *Discussant:* • Dr. Wei Liu, Coordinator, UN Inter-agency Task Team on Science, Technology and Innovation for the SDGs, UNDESA • Mr. Naoto Kanehira, Senior Private Sector Specialist, Finance, Competitiveness and Innovation Global Practice, the World Bank Guiding questions for country presentations: - What is the team structure for your country? Which national government

	agencies and IATT agencies (as focal points/supporters) are involved? What are the specific roles of each member, and how/why they have been drawn in the team? Is there any plan for bring in more members and if so, why/how? - What are the overall objectives, targets and envisaged scope of the pilot exercise in your country? What are focused areas, how are the priorities established and who in government has orchestrated the decisions? Are these a novel set or derived from existing national development plans, SDG scorecards, or STI strategy? - How are your country assessing/diagnosing the current situation and integrate policy planning and implementation (plus M/E) in the area of intersection among SDGs, STI and national development? Guiding questions for panel discussion: - What worked well and/or challenging so far in going through some of the "6 steps[2]" and utilizing "3 core inputs"[3] and why? - What are common/popular features in country pilots, i.e. in team structure, focused areas? How do pilot countries involve the key stakeholders with relevant data, expertise and networks? - Are there critical gaps in (domestically available) data, information or expertise that need to be filled? How are pilot countries building STEM/STI talent pipeline and skills as they design and implement roadmaps? Interactive discussion
11:30-12:30	**Session 3**: **Multi-stakeholder Involvement and International Partnerships** *Keeping in mind the identified commonalities and gaps discussed in the previous session, the Third Session focuses on how the IATT can systematically enhance International Cooperation and multi-stakeholder involvement for the five pilot countries by linking and coordinating* parallel activities that could potentially be complementary and synergetic. Moderator: Dr. Michiharu Nakamura, Member of the UN 10 Member Advisory Group on the Technology Facilitation Mechanism, Senior Advisor (Former President), Japan Science and Technology Agency, Japan Panelists: • Ms. Monica Matusiak, Senior Policy Officer, European Commission, Joint Research Centre, Seville, Spain • Mr. Naoto Kanehira, Senior Private Sector Specialist, Finance, Competitiveness and Innovation Global Practice, the World Bank

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[2] **Six steps**: (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 roadmaps for implementation, and (6) Monitor, evaluate and update plan.

[3] Three core inputs: (1) stakeholder consultations, (2) technical and managerial expertise, and (3) data and evidence base

	- Mr. Jonathan Tsuen Yip Wong, Chief of Technology and Innovation, ESCAP - Mr. Bill Colglazier, editor-in-chief, Center for Science Diplomacy, American Association for the Advancement of Science, Washington, DC, USA (former 10 Member Advisory Group and the Science Advisor of US Secretary of State) (online presentation?) - UNCTAD (online presentation?) - UNESCO (online presentation?) - OECD (online presentation?) Guiding questions: - How can IATT systematically help promote multi-stakeholder engagement, i.e. mobilizing private sectors in developing the pilot countries' roadmaps while understanding the needs and aspirations of subnational governments, cities, local communities, civil society? - How can IATT, global pilot programme partners and other international donors work together to coordinate their activities in STI-ODA intersections? How can they build STI capability, boost STI flows, and broker STI coalitions? What can they do to help pilot countries improve efficiency, effectiveness of their own government expenditures (i.e., not just ODA) on STI for SDGs? - What could be the effective roles of pilot partners/donors, private sectors, international organizations/multilateral institutions, as well as international (and diaspora) science, engineering, and medical communities? How can they be institutionalized and plugged into country pilot efforts? Interactive discussion Wrap up and the way forward Dr. Michiharu Nakamura, Member of the UN 10 Member Advisory Group on the Technology Facilitation Mechanism, Senior Advisor (Former President), Japan Science and Technology Agency, Japan Dr. Wei Liu, Coordinator, UN Inter-agency Task Team on Science, Technology and Innovation for the SDGs, UNDESA
12:30-14:00	*Group photo and lunch break*
Afternoon Session	
14:00-15:30	***STI Working Group Meeting/tele-conference; in-person (closed) meetings*** *This final session will discuss existing and new mechanisms, resources and cooperation frameworks accessible for national policymakers to utilize and reflect in development and implementation of STI for SDGs roadmaps.* DESA, the World Bank, EC/JRC, ESCAP, JST-Japan (in person) UNCTAD, UNESCO, UNIDO (conference call)