



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

UN DESA, MOST China and UNESCAP

December 9 – 17, 2019, Guilin, Guangxi Province, China

A. INTRODUCTION

In 2015, the United Nations Development Summit adopted the 2030 Agenda for Sustainable Development and set 169 Sustainable Development Goals (SDGs) in 17 major areas such as poverty reduction, health, education and environmental protection. The implementation of the 2030 Sustainable Development Agenda is the common subject of current international development cooperation and the common responsibility of the international community. All countries, developed and developing alike, responded positively to the implementation of the SDGs and accepted them as integrated, indivisible, global in nature and universally applicable.

To help the international community achieve the SDGs, the Division for Sustainable Development Goals (DSDG) in UN-DESA is implementing a project for “Mobilizing Science, Technology and Innovation in Developing Countries for the SDGs” funded from the “2030 Agenda Sub-Fund of the UN Peace and Development Trust Fund”. DSDG has already carried out several initiatives in tandem to the initiation of this project. As a milestone of institutional cooperation, UN DESA and the Ministry of Science and Technology (MOST) of China both signed a Memorandum of Understanding in December 2017.

United Nations Economic and Social Commission for Asia and the Pacific (ESCAP) has also been working with member States in the Asia-Pacific region to develop STI policies for the SDGs with a focus on ensuring such policies are inclusive and “leave no one behind”. In addition, ESCAP has published several reports and policy frameworks to advance STI policy for the SDGs and has delivered capacity-building activities to policymakers in the region.

Based on the collaboration framework, DSDG together with MOST and ESCAP, is preparing this STI training course jointly funded by all three partners to kick off the multi-year capacity building programme in December 2019.

B. OBJECTIVE

The training is a follow up to the Global Multi-Stakeholder Forum on Science, Technology and Innovation for the Sustainable Development Goals, which is part of the Technology Facilitation Mechanism (TFM), mandated by the 2030 Agenda. The core areas of the training will focus on 1) creating an enabling environment for STI for the SDGs; 2) mechanisms for STI collaboration; and 3) emerging STI concepts, opportunities and challenges.

The training will enhance enabling environments and eco-systems for STI development; explore innovative approaches to leverage human and financial resources for STI; facilitate the transfer and dissemination of relevant technologies for the SDGs; and identify practical means and solutions to foster STI.

It will aim at improving the innovation capacities of a range of stakeholders, especially in the least developed countries (LDCs) and selected middle income developing countries (MICs), and key partners for international partnerships to, ultimately, advance implementation of the SDGs.

It will support the collection and dissemination of best practices and solutions, as well as case studies of actual experiences in STI development, transfer and diffusion, including Chinese STI experiences for implementing the 2030 Agenda. The targeted area of SDGs will be poverty reduction, agriculture, health, and environmental protection. Through the training, it will promote international scientific and technological cooperation among trainees, international experts, and beyond. Last, but not least, it will identify a means of employing technologies and technological know-how in the public domain by utilizing a UN technology on-line platform, one of the UN promoted mechanisms for STI collaboration.

C. OUTLINE AND APPROACH

The training will combine a 5-day workshop for STI policies with a 3-day study visit. Course delivery will be conducted in cooperation with the host agency, including the Administrative Centre for China's Agenda 21 (ACCA21) of the Ministry of Science and Technology of China. It will collaborate with regional and national partners, identify their needs, match course content, and learn ways to improve or adapt delivery for specific audiences.

Through training workshops, field visits, and technology transfer activities, the training aims to enhance the ability of developing countries to prompt sustainable development through technological innovation. By reviewing country/region specific cases, based on scenario analysis, the training will offer hands-on sessions for trainees to apply

“theories” and carry out designs on innovation parks and trading opportunities. The current workshop will explore ways to create these opportunities for collaboration – whether they are physical spaces, online platforms, or events and networks – and will also include "one belt and one road" related initiatives and opportunities.

The training will invite government officials and well-known experts from the UN and non-UN entities, the Ministry of planning or finance or even the President’s office that supports STI work. The participants will hear from practitioners from both the technology and the government side, to build capacity, learn from good practices and brainstorm new models of engagement.

D. DATE AND VENUE

December 9 – 17, 2019; Venue: Guilin, China (details to be provided)

E. TENTATIVE PROGRAMME

Sunday 8 December 2019

Arrive in Guilin, China and registration (see Participation Logistical Guidance Note)

Monday 9 December 2019

8:30-9:00	Welcome tea/coffee
9:00-9:30	Opening Ceremony
9:30-9:50	Group Photo

Part one: creating an enabling environment for STI for the SDGS

9:50-10:50	Session 1: Introduction of Global Sustainable Development Report – new global map for sustainable development
10:50 – 12:00	Session 2: Science and technology eco-system development and innovation – A China Case Study
12:00-14:00	Lunch
14:00-15:00	Session 3: building innovation eco-system through mapping STI activities and multi-stakeholder engagement <i>This session will introduce global and national initiatives on development of STI strategies or policies aligned to national development objectives.</i>
15:00-15:15	Tea/coffee Break
15:15-17:00	Session 4: Institutions and infrastructure enabling environment – an application in science and technology park development

This session will discuss the challenges in establishing and managing science and technology parks. Speakers will share national experiences. In addition, the ESCAP publication titled “Establishing Science and Technology Parks: A Reference Guidebook for Policymakers in Asia and the Pacific” will be presented in this session.

17:30-19:00 Dinner

Tuesday 10 December 2019

9:00-10:30 Session 5: Human capacity-building: STI and entrepreneurship promoting policies and practices

This session will focus on government policies that promote and support both STI human capacity-building and entrepreneurship development.

10:30-10:45 Tea/coffee Break

10:45-12:00 Session 5 (cont'd): Human capacity building: Engaging women in STI
This session will discuss government policies supporting the role of women in the knowledge economy and technology development in Asia and the Pacific

12:00-14:00 Lunch

14:00-15:30 Session 6: Financing Science, Technology and Innovation

This session will showcase national research grant initiatives and national innovation funds.

15:30-15:45 Tea/coffee Break

15:45 – 17:00 Session 7: Development of national IP strategies and utilizing the IP platforms

17:30 Dinner

Wednesday 11 December 2019

Part two: platforms and mechanisms for STI collaborations

9:00 – 10:30 Session 8: Online networks and platforms for innovation collaboration

This session will provide an update on implementation of the UN Technology Facilitation Mechanism.

10:30 – 12:00 Session 9: Networks and platforms for innovation

	<i>This session will discuss online and offline platforms: promoting linkages and networks - universities, firms, global knowledge flows.</i>
12:00-14:00	Lunch
14:00-15:30	Session 9: cont'd
15:30- 17:00	Session 10: Inclusive technology and innovation policies <i>This session will introduce the concept on inclusive innovation and showcase policies that have been implemented by governments to ensure no one is left behind in the technological revolution.</i>
17:30 – 20:00	Dinner

Thursday 12 December 2019

PART THREE: STI FRONTIERS, OPPORTUNITIES AND CHALLENGES

9:00-10:30	Session 11: Emerging technology <i>This session will focus on government policies and initiatives that have aimed to maximize the positive impacts while minimizing the negative impact of frontier technologies.</i>
10:30-10:45	Tea/coffee Break
10:45- 12:00	Session 12: Business model innovation <i>This session will focus on emerging business practice innovations such as social enterprise, inclusive business and impact investing.</i>
12:00 – 14:00	Lunch
14:00-15:30	Session 13: Country Experience and Practice in Promoting Sustainable Development by Scientific and Technological Innovation
15:30-17:00	Session 14: China's policy and experience on agriculture science technology and innovation – Zhonghe Model
17:30 – 20:00	Dinner

Friday 13 December 2019

9:00-10:10	The Introduction of National Sustainable Development Demonstration
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10:10 – 10:30	Tea/coffee break
10:30 - 12:00	Session 16: Guilin’ s Experience and Practice in Promoting Sustainable Development by Scientific and Technological Innovation
12:00-14:00	Lunch
14:00-15:10	Session 17 : Shenzhen’ s Experience and Practice in Promoting Sustainable Development by Scientific and Technological Innovation
15-10-15:30	Tea/coffee break
15:30 – 17:00	Session 18: Taiyuan’ s Experience and Practice in Promoting Sustainable Development by Scientific and Technological Innovation
17:30	Dinner

Saturday 14 December 2019

	Break
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Sunday 15 December 2019

	Break
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Monday 16 December 2019

9:00-12:00	Site Visit in Guilin Sustainable Development Zone (tbc)
12:00-14:00	Lunch
14:00-17:30	Site Visit in Guilin Sustainable Development Zone (tbc)
17:30	Dinner

Tuesday 17 December 2019

9:00-12:00	Site Visit in Guilin Sustainable Development Zone (tbc)
12:00-14:00	Lunch

14:00-17:30	Learning exchange & Closing Ceremony
17:30	Farewell dinner

F. Tentative targeted countries

1	Bangladesh	12	Zambia
2	Bhutan	13	Sri Lanka
3	Cambodia	14	Malaysia
4	Lao People’s Democratic Republic	15	Mongolia
5	Myanmar	16	Indonesia
6	Nepal	17	Kyrgyzstan
7	Timor-Leste	18	Pakistan
8	Angola	19	Philippines
9	Djibouti	20	Viet Nam
10	Ethiopia	21	Kazakhstan
11	United Republic of Tanzania		

G. Language

The meeting will be conducted in English.