



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

**科学、技术和创新促进实现可持续发展目标**

**联合能力建设项目方案**

**UN DESA, MOST China  
and UNESCAP  
联合国经社部和中国科学技术部  
与联合国亚太经济社会委员会联合举办**

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

**2019年12月9日-17日，中国桂林**

## **1. 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” contributed by the Government of China. 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, in collaboration with UNOPS and WIPO, is preparing this STI training course jointly funded by all three partners to kick off the multi-year capacity building programme in December 2019.

## **2. 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) platforms and 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; discussing the STI Roadmaps as policy and planning tools leading to action on STI in support of SDG; 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.

## **3. OUTLINE AND APPROACH**

The training will combine a 5-day workshop for STI policies with a 2-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.

#### **4. DATE AND VENUE 时间地点**

December 9 – 17, 2019; Venue: Guilin, China (details see information note)

2019年12月9日—17日；地点：中国桂林

#### **5. TENTATIVE PROGRAMME 暂定议程**

*Sunday, December 8, 2019*

Arrive in Guilin, China and registration (See information note)

2019年12月8日，周日

抵达中国桂林，会议注册（地点：）

Time 时间		Programme 议程
Monday December 9 2019 2019年12月 9日, 星期 一	8:30-9:00	Welcome tea/coffee; 欢迎茶/咖啡;
	9:00-9:30	Opening Ceremony: Senior officials from China; (Mayor of Guilin – to be confirmed) Mr. Shantanu Mukherjee, UN DESA; Mr. Jonathan Tsuen Yip Wong, ESCAP Mr. Afework K. Gizaw, State Minister, Ministry of Science and High Education, Ethiopia Mr. Has Bunton, Secretary General, National Science and Technology Council, Ministry of Planning, Cambodia
	9:30-9:50	Group Photo 合影
	<b>PART ONE: CREATING AN ENABLING ENVIRONMENT FOR STI FOR THE SDGS</b> <b>第一部分：营造有利环境依靠科技创新实现可持续发展目标</b>	

Time 时间	Programme 议程
	<p data-bbox="368 264 517 297">9:50-10:50</p> <p data-bbox="549 275 687 309"><b>Session 1:</b></p> <p data-bbox="549 331 1465 421"><b>Introduction of Global Sustainable Development Report (GSDR) – new global map for sustainable development</b></p> <p data-bbox="549 439 1465 577">This session will introduce the GSDR and explain the key findings and recommendations from the report. Discussion will focus on how to apply GSDR’s approach for policy-making and concrete actions.</p> <p data-bbox="549 651 1465 734">Moderator: Mr. Shantanu Mukherjee, Chief, Integrated Policy Analysis Branch, DSDG, UN DESA</p> <p data-bbox="549 757 676 790">Speakers:</p> <ul data-bbox="549 813 1465 1167" style="list-style-type: none"> <li data-bbox="549 813 1465 1055">• Ms. Eun Mee Kim, Professor and Dean at the Graduate School of International Studies, the Director of the Institute for Development and Human Security (IDHS) and the Director of the Ewha Global Health Institute for Girls (GHIG) at Ewha Womans University, Seoul, Korea)</li> <li data-bbox="549 1077 1465 1167">• Dr. Yonglong Lu, Research Center for Eco-Environmental Science, Chinese Academy of Sciences, China</li> </ul> <p data-bbox="549 1211 836 1245">Interactive Discussion</p> <p data-bbox="549 1317 794 1350">Guiding questions:</p> <ul data-bbox="549 1373 1465 1883" style="list-style-type: none"> <li data-bbox="549 1373 1465 1462">• What are the key recommendations from the Global Sustainable Development Report? Any initial feedback?</li> <li data-bbox="549 1485 1465 1624">• How can stakeholders/countries utilize the lessons and recommendations from the GSDR to strengthen their own sustainable development plans?</li> <li data-bbox="549 1646 1465 1736">• What are potential challenges for stakeholders/ countries when applying the recommendations from the GSDR?</li> <li data-bbox="549 1758 1465 1883">• What are the three most important recommendations for policy-making and concrete actions on creating an enabling environment for STI for the SDGs in the context of the GSDR?</li> </ul>

Time 时间	Programme 议程
	<p><b>Session 2: Science and technology eco-system development and innovation – A China Case Study</b></p> <p>This session will introduce China’s experience with developing its own science and technology eco-system. The session will focus on lessons learned and how other countries can apply those lessons to their unique situations.</p> <p>Moderator: Mr. Jonathan Tsuen Yip Wong, Chief of Technology and Innovation, ESCAP</p> <p>Speaker:</p> <ul style="list-style-type: none"> <li>• ACCA21</li> <li>• Mr. Ruijun Wang, Chair of the 20th Session of the UN Commission of Science, Technology for Development (CSTD), Head of the Department of Science and Technology of Guangdong Province, China or Rep. from Guangdong DST (tbc)</li> <li>• Mr. Gao Shangbin, Deputy Director-General, Rural Energy and Environment Agency of the Ministry of Agriculture and Rural Affairs, China (tbc)</li> </ul> <p>Interactive Discussion</p> <p>Guiding Questions:</p> <ul style="list-style-type: none"> <li>• What were the major challenges and problems that China had to overcome?</li> <li>• How can the lessons learned in China’s case be leveraged by other countries to avoid the same problems?</li> <li>• What are the three most important recommendations for policy-making and concrete actions on creating an enabling environment for STI for the SDGs?</li> </ul>
10:50 – 12:00	Lunch 午餐

Time 时间	Programme 议程
	<p><b>Session 3: Building innovation eco-system through mapping STI activities and multi-stakeholder engagement</b></p> <p>This session will introduce global and national initiatives on development of STI strategies or policies aligned to national development objectives.</p> <p>Moderator: Mr. Wei Liu, Coordinator, UN Inter-Agency Task Team on Science, Technology and Innovation for the SDGs, DSDG, UN DESA</p> <p>Speakers:</p> <ul style="list-style-type: none"> <li>• Mr. Has Bunton, Secretary General, National Science and Technology Council, Ministry of Planning, Cambodia</li> <li>• Ms. Monika Matusiak, Senior Policy Officer, European Commission, Joint Research Centre, Seville, Spain</li> <li>• Mr. Feng Tian (Ben), Dean of Intelligent Industry Research Institute, SenseTime (World’s Most Valuable AI Startup), China</li> </ul> <p>Interactive Discussion</p> <p>Guiding questions:</p> <ul style="list-style-type: none"> <li>• From the perspective of an LDC, what are the key challenges for developing an innovation eco-system? What kind of support can development partners offer to help overcome such challenges?</li> <li>• What has been EU’s experience in developing an innovation eco-system? Many developing countries are at different stage of development, what lessons can these countries learn from the EU experience? What kind of support they can provide on mapping and promoting STI activities and multi-stakeholder engagement?</li> <li>• From the private sector perspective, what are the key initiatives on building innovation eco-system? What kind of support they can provide on mapping and promoting STI activities and multi-stakeholder engagement?</li> </ul>
14:00-15:00	
	<p>15:00-15:15</p> <p>Tea/coffee Break 茶歇</p>

Time 时间	Programme 议程
	<p><b>Session 4: Institutions and infrastructure enabling environment – an application in science and technology park development</b></p> <p>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.</p> <p>Moderator: Mr. Tengfei Wang, Economic Affairs Officer, ESCAP</p> <p>Speakers:</p> <ul style="list-style-type: none"> <li>• Ms. Sri Setiawati, Director of the Center for Research, Science and Technology, Ministry of Research, Technology and Higher Education, Indonesia</li> <li>• Ms. Watcharin Witthayaweerasak, General Manager, Thai Business Incubators and Science Park Association, Thailand</li> <li>• Mr. Ivan Bogdanov, Head of the Industrial Partnership Office, Skolkovo Institute of Science and Technology (Skoltech), Russian Federation</li> </ul> <p>Interactive Discussion</p> <p>Guiding questions:</p> <ul style="list-style-type: none"> <li>• What are has been your personal or country’s experience developing national science and technology parks?</li> <li>• What were some of the key lessons learned from those experiences?</li> </ul>
17:30-19:00	<p><b>Dinner</b> <b>晚餐</b></p>

Time 时间		Programme 议程
<p>Tuesday December 10, 2019 2019年12月 10日, 星期二 二</p>	9:00-10:30	<p><b>Session 5: Human capacity-building: STI and entrepreneurship promoting policies and practices</b></p> <p>This session will focus on government policies that promote and support both STI human capacity-building and entrepreneurship development.</p> <p>Moderator: Mr. Shantanu Mukherjee, Chief, Integrated Policy Analysis Branch, DSDG, UN DESA</p> <p>Speakers:</p> <ul style="list-style-type: none"> <li>• Dr. Chaiyatorn Limapornvanich, Innovation Strategy Manager, National Innovation Agency, Thailand</li> <li>• Dr. Thazin Han, Director, Department of Research and Innovation, Ministry of Education, Myanmar</li> </ul> <p>Interactive Discussion</p> <p>Guiding questions:</p> <ul style="list-style-type: none"> <li>• What are the government policies in your countries for human capacity building towards STIs?</li> <li>• What are the key challenges for implementing such policies?</li> <li>• What support do you think the development partners should provide in order to build human capacity in developing countries?</li> </ul>
	10:30-10:45	<p>Tea/coffee Break 茶歇</p>

Time 时间	Programme 议程
	<p><b>Session 5</b> continued ...</p> <p><b>Human capacity building: Engaging women in STI</b></p> <p>This session will discuss government policies supporting the role of women in the knowledge economy and technology development in Asia and the Pacific.</p> <p>Moderator: Ms. Marta Pérez Cusó, Economic Affairs Officer, ESCAP</p> <p>Speakers:</p> <ul style="list-style-type: none"> <li>• Mr. Anthony C. Sales, Regional Director, Department of Science and Technology, the Philippines</li> <li>• Dr. Araba Sey, Principal Research Fellow / Head of Research, UN University Institute in Macau, China</li> <li>• Ms. Caitlin Bentley, research fellow, the 3A Institute, Australian National University, Australia</li> </ul> <p>Interactive Discussion</p> <p>Guiding questions:</p> <ul style="list-style-type: none"> <li>• Why do we need to take women and gender considerations into account when designing a national science, technology or innovation policy, establishing a research programme, or promoting digital technologies?</li> <li>• Based on your experience, what options do we have to design and implement more gender inclusive STI policies?</li> <li>• A necessary step is to generate awareness among practitioners on gender inequalities in STI. What are effective means to generate greater awareness on and responsiveness to gender inequalities in STI?</li> </ul>
12:00-14:00	<p><b>Lunch</b></p> <p><b>午餐</b></p>

Time 时间	Programme 议程
	<p><b>Session 6: Financing Science, Technology and Innovation</b></p> <p>This session will focus on examining financial incentives and mechanisms that help foster innovation, especially with start-up companies. Discussion will dive into detail on the current financial environment and what changes need to be made to improve access to financing for STIs.</p> <p>Moderator: Mr. Bajoe Wibowo, Project Manager (WIPO Match), Office of the Deputy Director General, Development Sector, World Intellectual Property Organization (WIPO)</p> <p>Speakers:</p> <ul style="list-style-type: none"> <li>• Mr. Jinwon Kang, Research Fellow, R&amp;D Evaluation Center, Korean Institute of S&amp;T Evaluation Planning, Republic of Korea</li> <li>• Mr. Wang Wei, Deputy Director General, Nanjing Municipal Financial Regulatory Bureau, Nanjing Technology Bank, China.</li> <li>• Representative from China Green Technology Bank, Shanghai</li> </ul> <p>Interactive Discussion</p> <p>Guiding Questions:</p> <ul style="list-style-type: none"> <li>• What are some major barriers that have limited access to financing for SME and start-ups?</li> <li>• What are some non-traditional, alternative financing options for SMEs and start-ups?</li> <li>• What are the three most important recommendations for policy-making and concrete actions to improve access to financing for SMEs and start-ups?</li> </ul>
15:30-15:45	<p>Tea/coffee Break 茶歇</p>

Time 时间	Programme 议程
	<p><b>Session 7: Development of national IP strategies and utilizing the IP platforms</b></p> <p>The underpinning of the national IP strategies and platforms are crucial for the achievement of the SDGs. Further, this session will focus on understanding how IP policy, IP platforms and the SDG's can all be used synergistically to move forward productively.</p> <p>Moderator: Mr. Bajoe Wibowo, Project Manager (WIPO Match), Office of the Deputy Director General, Development Sector, World Intellectual Property Organization (WIPO)</p> <p>Speaker:</p> <ul style="list-style-type: none"> <li>• Dr. Sarasija Padmanabhan, Patent Consultant, Indian Institute of Science Campus, India</li> <li>• Mr. Zong Gang, Sinoipro IP Management and Technology Transfer Co. Ltd., President &amp; CEO, China</li> <li>• Mr. Li Cong, Researcher, Strategy Coordination Division of Strategy and Planning Department of the China National Intellectual Property Administration (CNIPA), China</li> </ul> <p>Interactive Discussion</p> <p>Guiding Questions:</p> <ul style="list-style-type: none"> <li>• What are some common barriers that have limited the development of effective national IP policies and how can these barriers be addressed? How can a national IP policy support the achievement of the SDGs?</li> <li>• Who are the target user group(s) for the IP platforms/tools?</li> <li>• How can a new user to leverage the existing IP platform(s)/tools to find the solutions for the work?</li> <li>• What are the three most important recommendations for policy-making and concrete actions for creating an IP policy and platforms for the SDGs?</li> </ul>
15:45 – 17:00	<p><b>Dinner</b> <b>午餐</b></p>

Time 时间	Programme 议程
<p>Wednesday December 11, 2019 2019年12月 11日, 星期三</p>	<p><b>PART TWO: PLATFORMS AND MECHANISMS FOR STI COLLABORATIONS</b></p>
	<p>9:00 – 10:30</p> <p><b>Session 8: Online networks and platforms for innovation collaboration</b></p> <p>This session will provide an update on implementation of the UN Technology Facilitation Mechanism online platform and solicited the feedback from the audience. It will also offer an opportunity for creating a network of actors for brokering demand and supply for STI content and subsequent deal making.</p> <p>Moderator: Ms. Stephanie Rambler, Sustainable Development Officer, Integrated Policy Analysis Branch, DSDG, UN DESA</p> <p>Speakers:</p> <ul style="list-style-type: none"> <li>• Mr. Jaikumar Sabanayagam, Information System Officer, UN OICT, Bangkok, Thailand</li> <li>• Mr. Huang Ping, China International Technology Transfer Centre, China</li> <li>• Mr. Prem Nair, UNTIL Malaysia lab manager</li> </ul> <p>Interactive Discussion</p> <p>Guiding questions:</p> <ul style="list-style-type: none"> <li>• How can the online technology transfer services via the TFM be linked to offline technology transfer service?</li> <li>• Which areas has the TFM online platform seen potential positive results and which areas need further improvement?</li> <li>• What are the practical work-plan on the development/ launch of the TFM online platform? How can the stakeholders engage and support this?</li> </ul>

Time 时间	Programme 议程
	<p><b>Session 9: Networks and platforms for innovation</b></p> <p>This session will discuss the role of the TFM online platform for the last-mile delivery of public service to MSMEs entrepreneurs, WIPO Match platform, and seek for feedback from potential users of the online platform from MSME’s perspective.</p> <p>Moderator: Mr. Wei Liu, Coordinator, UN Inter-agency Task Team on STI for the SDG, Co-lead of the STI Roadmap Sub-working Group, DESA</p> <p>Speakers:</p> <ul style="list-style-type: none"> <li>• Mr. Bajoe Wibowo, Project Manager (WIPO Match), Office of the Deputy Director General, Development Sector, World Intellectual Property Organization (WIPO)</li> <li>• Mr. WANG Zheng, Shanghai Science &amp; Technology Development and Exchange Center, Director, China</li> <li>• Ms. Abimbola Alawode, CEO Rhabe Ventures Limited - (South Coordinator Conduit of Excellence), Nigeria</li> <li>• Mr. Stefan Dierks, Research Assistant, UNFCCC (United Nations Framework Convention on Climate Change), Technology Sub-Programme of the Finance, Technology and Capacity Building Programme</li> </ul> <p>Interactive Discussion</p> <p>Guiding Questions:</p> <ul style="list-style-type: none"> <li>• How can the online technology transfer services via the TFM be linked to offline technology transfer service?</li> <li>• Which areas has the TFM online platform seen potential positive results and which areas need further improvement?</li> </ul>
12:00-14:00	<b>Lunch</b>

Time 时间	Programme 议程
14:00-15:30	<p><b>Session 10: Science, Technology, Innovation Roadmaps for the SDGs – joint guideline and global pilot programme</b></p> <p>This session will introduce the UN Guidebook on STI roadmaps for the SDGs. It will also discuss the potential regional/national support to the work of the STI roadmaps. There will be a special session on Sunday morning on this topic for pilot countries to share their experience, to advance the discussions to further define the next steps.</p> <p>Moderator: MoST  Speaker:</p> <ul style="list-style-type: none"> <li>• Mr. Wei Liu, Coordinator, UN Inter-agency Task Team on STI for the SDG, Co-lead of the STI Roadmap Sub-working Group, DESA</li> <li>• Ms. Monika Matusiak, Senior Policy Officer, European Commission, Joint Research Centre, Seville, Spain</li> <li>• Prof. Sachin Chaturvedi, Director General at the Research and Information System for Developing Countries (RIS), New Delhi, India</li> <li>• Ms. Tijana Knezevic, Senior Adviser, Ministry of Education and Science, Serbia</li> </ul> <p>Interactive Discussion  Guiding Questions:</p> <ul style="list-style-type: none"> <li>• What is the work of the UN in the area of STI for SDGs Roadmaps?</li> <li>• What are the key recommendations from the UN Guidebook on STI roadmaps for the SDGs? Any initial feedback?</li> <li>• What are the key elements on the Smart-specialization Approach and its main applications?</li> <li>• What is the Global Pilot Programme on the STI Roadmaps?</li> <li>• What were the main challenges or problems that pilot countries faced when developing their STI Roadmaps?</li> <li>• What international mechanisms can assist countries to learn from each other and promote more effective collaboration on their STI Roadmaps? Any recommendations?</li> </ul>

Time 时间	Programme 议程
	<p><b>Session 11: Inclusive research, technology and innovation policies</b></p> <p>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.</p> <p>Moderator: Ms. Marta Pérez Cusó, Economic Affairs Officer, ESCAP</p> <p>Speakers:</p> <ul style="list-style-type: none"> <li>• Mr. Napoleon Concepcion, Governor, Board of Investment (BOI), The Philippines</li> <li>• Prof. Sachin Chaturvedi, Director General at the Research and Information System for Developing Countries (RIS), New Delhi, India</li> <li>• Ms. Caitlin Bentley, research fellow, the 3A Institute, Australian National University, Australia</li> <li>• Ms. Bolor-Erdene Battengel, Access Solutions, Mongolia</li> </ul> <p>Interactive Discussion</p> <p>Guiding questions:</p> <ul style="list-style-type: none"> <li>• In your experience, what are some of the challenges today to design or implement more inclusive science, technology and innovation policies and strategies?</li> <li>• Follow-up questions based on the discussions.</li> </ul>
15:30- 17:00	
17:30 – 20:00	<b>Dinner</b>
<b>PART THREE: STI FRONTIERS, OPPORTUNITIES AND CHALLENGES</b>	

Time 时间	Programme 议程
<p>Thursday December 12, 2019 2019年12月 12日, 星期 四</p>	<p><b>Session 12: Emerging technology</b> 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.</p> <p>Moderator: Mr. Shantanu Mukherjee, Chief, Integrated Policy Analysis Branch, DSDG, UN DESA</p> <p>Speakers:</p> <ul style="list-style-type: none"> <li>• Mr. Jonathan Tsuen Yip Wong, Chief of Technology and Innovation, ESCAP</li> <li>• Ms. Shahida SULTANA, Deputy Secretary, Access to Information (a2i) Programme, Government of Bangladesh</li> <li>• Ms. Caitlin Bentley, research fellow, the 3A Institute, Australian National University, Australia</li> </ul> <p>Interactive Discussion</p> <p>Guiding questions:</p> <ul style="list-style-type: none"> <li>• What are ESCAP’s key observations on the development of frontier technologies in Asia and the Pacific?</li> <li>• What are the key challenges for an LDC or developing country to embrace the opportunities brought about by frontier technologies and what are possible solutions to overcoming such challenges?</li> <li>• How can developed countries support developing and LDCs benefit from frontier technologies?</li> <li>• What incentives do developed countries need to provide such support?</li> </ul>
	<p>10:30-10:45 <b>Tea/coffee Break</b></p>

Time 时间	Programme 议程
	<p><b>Session 13: Business model innovation</b></p> <p>This session will focus on emerging business practice innovations such as social enterprise, inclusive business and impact investing.</p> <p>Moderator: Mr. Jonathan Tsuen Yip Wong, Chief of Technology and Innovation, ESCAP</p> <p>Speakers:</p> <ul style="list-style-type: none"> <li>• Mr. Kyoung-Ho Back, Executive Director, Korea Technology Finance Corporation (KOTEC), Republic of Korea</li> <li>• Mr. Tristan Ace, Social Enterprise Lead, British Council (Based in Hong Kong), United Kingdom</li> <li>• Mr. Ahad Nazir, Head, Centre for Private Sector Engagement, Sustainable Development Policy Institute (SDPI), Pakistan</li> </ul> <p>Interactive Discussion</p> <p>Guiding questions:</p> <ul style="list-style-type: none"> <li>• Why are innovative business models seen as important by governments?</li> <li>• How has your government created an enabling environment for innovative business models?</li> <li>• How could government policy support social enterprise, inclusive business and impact investing to move from the margins to the mainstream?</li> </ul>
12:00 – 14:00	<b>Lunch</b>

Time 时间	Programme 议程
14:00-15:30	<p data-bbox="549 277 1358 416"><b>Session 14: Country Experience and Practice in Promoting Sustainable Development by Scientific and Technological Innovation</b></p> <p data-bbox="549 495 820 524">Moderator: ACCA21</p> <ul data-bbox="549 546 1442 846" style="list-style-type: none"> <li data-bbox="549 546 1422 629">• Mr. Afework K. Gizaw, State Minister, Ministry of Science and High Education, Ethiopia</li> <li data-bbox="549 651 1442 734">• Ms. Inger Midtkandal, Science and Technology Counsellor to the Research Council of Norway, Norway</li> <li data-bbox="549 757 1410 846">• Ms. Olga Duhlicher, Senior Consultant, Ministry of Education, Culture and Research, Moldova</li> </ul> <p data-bbox="549 891 836 920">Interactive Discussion</p> <p data-bbox="549 999 794 1028">Guiding questions:</p> <ul data-bbox="549 1050 1410 1350" style="list-style-type: none"> <li data-bbox="549 1050 1386 1133">• What has been the national experience for leveraging STI for sustainable development? What are the key lessons learnt?</li> <li data-bbox="549 1155 1378 1238">• What are the experiences of institutional cooperation in your countries for developing STI?</li> <li data-bbox="549 1261 1410 1350">• What lessons can developing countries and the least developed countries learn from the EU?</li> </ul>

Time 时间	Programme 议程
	<p><b>Session 15: China’s policy and experience on governance science technology and innovation</b></p> <p>This session will introduce China’s experience with developing its own science and technology eco-system. The session will focus on lessons learned and how other countries can apply those lessons to their unique situations.</p> <p>Moderator: Ms. Monika Matusiak, Senior Policy Officer, European Commission, Joint Research Centre, Seville, Spain</p> <p>Speaker:</p> <ul style="list-style-type: none"> <li>• Prof. Kishore Mahbubani, Distinguished Fellow at the Asia Research Institute (ARI), National University of Singapore (NUS), Singapore (tbc)</li> <li>• Prof. Zhengzhong Xu, Deputy Dean of the Institute for International Strategic Studies and Director of the International Organizations Institute of Chinese Academy of Governance, China</li> <li>• Prof. Gong Ke, Nankai University, President of the World Federation of Engineering Organization (tbc)</li> <li>• Representative from Shenzhen or other place (tbc)</li> </ul> <p>Interactive Discussion</p> <p>Guiding questions:</p> <ul style="list-style-type: none"> <li>• What were the major challenges and problems that China had to overcome?</li> <li>• How can the lessons learned in China’s case be leveraged by other countries to avoid the same problems?</li> <li>• What are the three most important recommendations for policy-making and concrete actions on creating an enabling environment for STI for the SDGs?</li> </ul>
17:30 – 20:00	<b>Dinner</b>

Time 时间		Programme 议程
Friday December 13 , 2019 2019年12月 13日, 星期 五	9:00-10:10	<p><b>Session 16: The Introduction of National Sustainable Development Demonstration Zone</b></p> <p>Moderator: Ms. Mia Mikic, Director, Trade, Investment and Innovation Division, ESCAP</p> <p>Speaker:</p> <ul style="list-style-type: none"> <li>• Representative from ACCA21</li> <li>• Representatives from National Sustainable Development Demonstration Zone</li> </ul> <p>Interactive Discussion</p> <p>Guiding questions:</p> <ul style="list-style-type: none"> <li>• What were the reasons/needs for developing national sustainable development demonstration zones?</li> <li>• What were the key challenges for developing national sustainable development national sustainable demonstration zones?</li> <li>• What lessons can other countries learn from China in developing national sustainable development zones?</li> </ul>
	10:10-10:30	Tea/coffee 茶歇

Time 时间	Programme 议程
	<p><b>Session 17: Guilin’s Experience and Practice in Promoting Sustainable Development by Scientific and Technological Innovation</b></p> <p>This session will explore in detail Guilin’s unique experience in promoting sustainable development. Discussion will focus around lessons learned and how other countries can leverage Guilin’s experience to better promote their own sustainable development plans.</p> <p>Moderator: ACCA21</p> <p>Speaker:</p> <ul style="list-style-type: none"> <li>• Representatives from Guilin Science and Technology Bureau</li> <li>• Other experts from Guilin</li> </ul> <p>Interactive Discussion</p> <p>Guiding Questions:</p> <ul style="list-style-type: none"> <li>• What were major hurdles or challenges and how were they addressed?</li> <li>• What were the knowledge, research and implementation gaps?</li> <li>• What are the three most important recommendations for policy and concrete action?</li> </ul>
12:00-14:00	<b>Lunch</b>

Time 时间	Programme 议程
	<p><b>Session 18: Shenzhen's Experience and Practice in Promoting Sustainable Development by Scientific and Technological Innovation</b></p> <p>This session will explore in detail Shenzhen's unique experience in promoting sustainable development. Discussion will focus around lessons learned and how other countries can leverage Shenzhen's experience to better promote their own sustainable development plans.</p> <p>Moderator: ACCA21</p> <p>Speaker:</p> <ul style="list-style-type: none"> <li>• Representatives from Shenzhen Science and Technology Innovation Committee</li> <li>• Other experts</li> </ul> <p>Interactive Discussion</p> <p>Guiding Questions:</p> <ul style="list-style-type: none"> <li>• What were major hurdles or challenges and how were they addressed?</li> <li>• What were the knowledge, research and implementation gaps?</li> <li>• What are the three most important recommendations for policy and concrete action?</li> </ul>
15:10-15:30	<b>Tea/coffee 茶歇</b>

Time 时间	Programme 议程
15:30-17:00	<p><b>Session 19: Taiyuan’s Experience and Practice in Promoting Sustainable Development by Scientific and Technological Innovation</b></p> <p>Moderator: ACCA21</p> <p>Speaker:</p> <ul style="list-style-type: none"> <li>• Representative from Taiyuan Science and Technology Bureau</li> <li>• Other experts</li> </ul> <p>Interactive Discussion</p> <p>Guiding questions:</p> <ul style="list-style-type: none"> <li>• What were major hurdles or challenges and how were they addressed?</li> <li>• What were the knowledge, research and implementation gaps?</li> <li>• What are the three most important recommendations for policy and concrete action?</li> </ul>
17:00-17:30	<p><b>Session 20: Review of the Week and Looking Forward</b></p> <p>This session will briefly reflect and put into context what was taught and discussed during the week. It will highlight the take-away messages and bring the key practical questions to the study visits arranged in the following week. It will also brief the participants about the plan for the study visit.</p> <p>Moderator: MoST</p> <p>Keynote: Mayor of Guilin – to be confirmed</p> <p>Speakers:</p> <ul style="list-style-type: none"> <li>• Mr. Shantanu Mukherjee, UN DESA</li> <li>• Ms. Mia Mikic, ESCAP</li> <li>• Representative from ACCA21</li> </ul>

Time 时间	Programme 议程
Saturday December 14, 2019 2019年12月 14日, 星期 六	<b>Break</b> <b>休息</b>

Time 时间	Programme 议程	
<p>Sunday December 15, 2019 2019年12月 15日, 星期 日</p>	<p><b>10:00am – 12:30am Special Session on STI Roadmaps for the SDGs: country expectations and international support (for more details, please see a separate concept note and programme)</b></p> <p>Moderator: Mr. Wei Liu, Coordinator, UN Inter-agency Task Team on STI for the SDG, Co-lead of the STI Roadmap Sub-working Group, DESA</p> <p>Speakers:</p> <ul style="list-style-type: none"> <li>• 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</li> <li>• Ms. Mia Mikic, Director, Trade, Investment and Innovation Division, ESCAP</li> <li>• Mr. Naoto Kanehira, Senior Private Sector Specialist, Finance, Competitiveness and Innovation Global Practice, the World Bank</li> <li>• Ms. Monika Matusiak, Senior Policy Officer, European Commission, Joint Research Centre, Seville, Spain</li> <li>• Mr. Tijana Knezevic, Ministry of Education, Science and Technological Development of Serbia</li> </ul> <p>Interactive Discussion</p> <p><b>Break</b> <b>休息</b></p> <p><b>2pm – 3:30pm STI Working Group Meeting/tele-conference + in-person (closed)</b></p>	
<p>Monday December 16 ,2019 2019年12月 16日, 星期 一</p>	<p>9:00-12:00</p>	<p><b>Site Visit in Guilin</b> <b>桂林学习调研</b></p>
	<p>12:00-14:00</p>	<p><b>Lunch</b> <b>午餐</b></p>
	<p>14:00-17:30</p>	<p><b>Site Visit in Guilin</b> <b>桂林学习调研</b></p>
	<p>17:30-</p>	<p><b>Dinner</b> <b>晚餐</b></p>

Time 时间		Programme 议程
Tuesday December 17 , 2019 2019年12月 17日, 星期二 二	9:00-12:00	<p><b>Site Visit in Guilin</b> <b>桂林学习调研</b></p> <p><b>Group work: Leveraging STI for SDGs: a reflection of the study during the meeting – to be organized by ESCAP and MoST</b></p> <p>In this session, the participants will be divided into several groups. Each group needs to prepare a presentation which should reflect what the participants have learnt during the meeting. The selected topic can be related to a country, a (sub)region, with a compilation of recommendations for STI policies and actions. The topic can be related to one session or a few sessions of this workshop.</p> <p>Each group will present their work in the afternoon.</p> <p>More details will be circulated prior to the session.</p>
	12:00-14:00	<p><b>Lunch</b> <b>午餐</b></p>
	14:00-17:30	<p><b>Learning exchange&amp; Closing Ceremony</b> <b>总结交流&amp;结业式</b></p>
	17:30-	<p><b>Farewell dinner</b> <b>欢送晚宴</b></p>

## 6. TENTATIVE TARGETED COUNTRIES

As of December 2<sup>nd</sup>, 2019

	<b>Country</b>	<b>Participant</b>	<b>Position</b>
1	Bangladesh	Dr. Md. Selim Reza	Deputy Secretary, Ministry of Science and Technology, Government of Bangladesh
		Ms. Shahida Sultana	Deputy Secretary, Access to Information (a2i) Programme, Government of Bangladesh
2	Cambodia	Mr. Has Bunton	Secretary General, National Science and Technology Council, Ministry of Planning
		Mr. Buoy Somethea	Director, GS-NSTC
3	Indonesia	Dr. Mustangimah	Deputy Director for Research Capacity Building
		Mr. Sunandar Nanag Ecin	Head of Subdivision for Monitoring and Evaluation, Directorate General for the Strengthening of Research and Development
		Ms. Sri Setiawati	Director of the Center for Research, Science and Technology, Ministry of Research, Technology and Higher Education
4	Kazakhstan	Mr. Nurlan Akhanzaripov	Director of Technology Transfer Centre, Qaztech Ventures, Astana, Kazakhstan
5	Kyrgyzstan	Mr. Talgar Batyrbekov	Senior Specialist, State Service of Intellectual Property and Innovation under the Government of the Kyrgyz Republic
6	Lao People's Democratic Republic (the)	Ms. Viengsavanh Bouttanavong	Director of International Division, Department of Planning and Cooperation, Ministry of Science and Technology
7	Malaysia	Mrs. Rozani Ezrina Sarbini	STI Services and Enculturation Division, Ministry of Energy, Science, Technology, Environment and Climate Change (MESTECC)
8	Mongolia	Ms. Bolor-Erdene Battsengel	Access Solutions, Mongolia
		Mr. Batnairamdal Otgonshar	Advisor to Chief of Cabinet Secretariat, Government of Mongolia

9	Myanmar	Dr. Thazin Han	Director of Research and Innovation, Ministry of Education, Myanmar
10	Pakistan	Mr. Ahad Nazir	Head, Centre for Private Sector Engagement, Sustainable Development Policy Institute
11	Philippines (the)	Ms. Melissa Cabanes Bulao	Senior Science Research Specialist, R&D Management Division, Philippine Council for Health Research and Development
		Mr. Anthony C. Sales	Regional Director, Department of Science and Technology
		Mr. Napoleon Concepcion	Governor, Board of Investment (BOI)
12	Sri Lanka	Mr. Janaka Karunasena	Principal Scientific Officer, Head / TD, NSF Sri Lanka
13	Djibouti	Mr. Abdourahman Youssouf Aboubaker	Ministry of Economy and Finance Industry Officer (MEFI) Directorate of Industry Head of Industrial Development Department
14	Ethiopia	Dr. Solomon Benor	Director, Research, Community Service, Technology Transfer, and University-Industry-Linkage Directorate, Ministry of Science and Higher Education, Federal Democratic Republic of Ethiopia
		Mr. Afewerk Kassu Gizaw	State Minister, Ministry of Science and Higher Education
15	United Republic of Tanzania	Dr. Primi Mmasi	Project Coordinator, Projects and Programmes Coordination Unit, Department of Policy and Planning, Ministry of Industry and Trade, Dodoma, Tanzania
16	Zambia	Ms. Tasila Banda Mwewa	Learning, Monitoring and Evaluation Specialist, National Technology Business Centre (NTBC)
17	China	Dr. Yonglong Lu	Research Center for Eco-Environmental Science, Chinese Academy of Sciences
		Mr. Ruijun Wang	Chair of the 20th Session of the UN Commission of Science, Technology for Development (CSTD), Head of the Department of Science and

			Technology of Guangdong Province, China
		Mr. Ye Dongbai	Director General, Department of International Cooperation, Ministry of Science, Technology, China
		Mr. Huang Jing	Director General, ACCA21, Ministry of Science, Technology, China
		Mr. Zong Gang	Sinoipro IP Management and Technology Transfer Co. Ltd., President & CEO
		Mr. Huang Ping	China International Technology Transfer Center
		Mr. Wang Zheng	Director, Shanghai Science & Technology Development and Exchange Center
		Prof. Zhengzhong Xu	Deputy Dean of the Institute for International Strategic Studies and Director of the International Organizations Institute of Chinese Academy of Governance
		Mr. Ben Tian	Dean of Intelligent Industry Research Institute, SenseTime (World's Most Valuable AI Startup)
18	Republic of Korea	Ms. Eun Mee Kim	Professor and Dean at the Graduate School of International Studies, the Director of the Institute for Development and Human Security (IDHS) and the Director of the Ewha Global Health Institute for Girls (GHIG) at Ewha Womans University
		Mr. Jinwon Kang	Research Fellow, R&D Evaluation Center, Korean Institute of S&T Evaluation Planning
		Mr. Kyoung-Ho Back	Executive Director, Korea Technology Finance Corporation (KOTEC)
19	Thailand	Ms. Watcharin Witthayaweerasak	General Manager, Thai Business Incubators and Science Park Association
		Dr. Chaiyatorn Limapornvanich	Innovation Strategy Manager, National Innovation Agency
20	Russian Federation	Mr. Ivan Bogdanov	Head of the Industrial Partnership Office, Skolkovo Institute of Science and Technology (Skoltech)

2 1	India	Dr. Sarasija Padmanabhan	Patent Consultant, Indian Institute of Science Campus
		Prof. Sachin Chaturvedi	Director General at the Research and Information System for Developing Countries (RIS)
2 2	ESCAP	Ms. Mia Mikic	Director, Trade, Investment and Innovation Division
		Mr. Jonathan Tsuen Yip Wong	Chief of Technology and Innovation, ESCAP
		Ms. Marta Perez Cuso	Economic Affairs Officer, Trade, Investment and Innovation Division
		Mr. Tengfei Wang	Economic Affairs Officer, Trade, Investment and Innovation Division
		Ms. Phadnalin Ngerlim	Programme Assistant, Trade, Investment and Innovation Division
2 3	European Commission (EC)	Dr. Monika Matusiak	Senior Policy Officer, European Commission /Joint Research Centre
2 4	WIPO	Mr. Bajoe Wibowo	Project Manager (WIPO Match), Office of the Deputy Director General, Development Sector, World Intellectual Property Organization (WIPO)
		Ms. Tamara Nanayakkara	Head, Innovation Policy Section, Dept for Transition and Developed Countries; WIPO China office
		Mr. Li Cong	Researcher, Strategy Coordination Division of Strategy and Planning Department of the China National Intellectual Property Administration (CNIPA)
2 5	Nigeria	Ms. Abimbola Alawode	CEO Rhabe Ventures Limited - (South Coordinator Conduit of Excellence)
2 6	Australia	Ms. Caitlin Bentley	Research fellow, the 3A Institute, Australian National University
2 7	United Kingdom	Mr. Tristan Ace	Social Enterprise Lead, British Council (Based in Hong Kong, China)
2 8	UNU CS	Dr. Araba Sey	Principal Research Fellow / Head of Research (Based in Marco China)
2 9	Japan	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
30	World Bank	Mr. Naoto Kanehira	Senior Private Sector Specialist, Finance, Competitiveness and Innovation Global Practice
31	Serbia	Ms. Tijana Knezevic	Senior Adviser, Ministry of Education and Science
32	Norway	Ms. Inger Midtkandal	Science and Technology Counsellor to the Research Council of Norway
33	Moldova	Ms. Olga Duhlicher	Senior Consultant, Ministry of Education, Culture and Research
34	Nepal	Mr. Prasanta Bohara	Senior Divisional Mechanical Engineer, Ministry of Industry, Commerce and Supplies, Nepal
35	UNFCCC	Mr. Stefan Dierks	Research Assistant, UNFCCC (United Nations Framework Convention on Climate Change), Technology Sub-Programme of the Finance, Technology and Capacity Building Programme
36	UNTIL	Mr. Prem Nair	United Nations Technology Innovation Lab (UNTIL), Malaysia lab manager
37	UN OICT	Mr. Dinh-Huy Banh	Chief Enterprise, Application Center, UN Office of Information and Communication Technology
		Mr. Jaikumar Sabanayagam	Information System Officer, UN OICT
38	UN DESA	Mr. Shantanu Mukherjee	Chief, Integrated Policy Analysis Branch, DSDG, UN DESA
		Mr. Wei Liu	Coordinator, UN Inter-agency Task Team on STI for the SDG, Co-lead of the STI Roadmap Sub-working Group, UN DESA
		Ms. Stephanie Rambler	Sustainable Development Officer, Integrated Policy Analysis Branch, DSDG, UN DESA

## 7. LANGUAGE

The meeting will be conducted in English.

## 8. KEY REFERENCES

United Nations. (2019). *GLOBAL SUSTAINABLE DEVELOPMENT REPORT 2019: the future is now - science for achieving... sustainable development*. S.I: UNITED NATIONS. Website: <https://sustainabledevelopment.un.org/gsdr2019>

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