

**Workshop on Science, Technology and Innovation for the SDGs**  
*Meeting of the TFM 10-Member group and IATT in preparation of the Multi-Stakeholder Meeting on Science, Technology and Innovation for the SDGs 2019*

Meeting Room H, United Nations Conference Centre (UNCC), ESCAP, Bangkok, Thailand, 27<sup>th</sup>  
February – 1<sup>st</sup> March 2019

**DRAFT Tentative Programme**

<b>Day One</b>	
9:15 – 9:30	<i>Welcome coffee</i>
9:30 – 10:00	<p><b>Welcome remarks</b></p> <ul style="list-style-type: none"> <li>● Mr. Hongjoo Hahm, Deputy Executive Secretary, UNESCAP</li> </ul> <p>Remarks by the co-chairs of the STI Forum</p> <ul style="list-style-type: none"> <li>● H.E. Mrs. Elizabeth Thompson, Ambassador Extraordinary and Plenipotentiary, Permanent Representative of Barbados, co-chair of the STI Forum</li> <li>● H.E. Mrs. Marie Chatardová, Ambassador Extraordinary and Plenipotentiary, Permanent Representative of the Czech Republic, former the President of ECOSOC, co-chair of the STI Forum</li> </ul> <p>Remarks by co-chairs of the 10_Member Group of high-level representatives</p> <ul style="list-style-type: none"> <li>● Dr. Agnes Lawrence Kijazi (United Republic of Tanzania), Director General, Tanzania Meteorological Agency (TMA)</li> </ul>
<b>Group photo (10:00 – 10:20)</b>	
10:20 – 10:45	<p><b><u>Session 1: Introduction to Workshop</u></b></p> <p>Introductory presentation:</p> <ul style="list-style-type: none"> <li>● Mr. Shantanu Mukherjee, Chief, Integrated Policy Analysis Branch, DSDG, DESA</li> <li>● Mr. Clovis Freire, Division for Technology and Logistics, UNCTAD</li> <li>● Dr. Jong Soo Yoon, Head of UNOSD</li> </ul>
10:45 – 11:00	<i>Coffee Break</i>
	<p><b><u>Session 2: STI challenges and solutions for the selected SDGs</u></b></p> <p><i>Sessions 2a to e address key challenges and potential STI solutions for SDGs 4, 8, 10, 13, and 16. These goals will be a focus of the agenda of the High-level Political Forum on Sustainable Development in 2019. The sessions will be held in parallel. They will be organized in the form of interactive panels followed by Q&amp;A and moderated discussions.</i></p> <p><b><u>Guiding questions for sessions 2a to e:</u></b></p> <ul style="list-style-type: none"> <li>● What are the most effective ways for science, technology and innovation to support the achievement of SDGs 4, 8, 10, 13, and 16?</li> <li>● What are the main challenges for developing, adopting, disseminating or scaling these solutions? What are the knowledge, research and implementation gaps?</li> </ul>

	<ul style="list-style-type: none"> <li>● How to structure and organize respective sessions in the STI Forum?</li> <li>● What are desirable action-oriented and scientifically sound outcomes and recommendations for the STI Forum to consider?</li> <li>● Which partners, stakeholders and communities could be mobilised for the STI Forum?</li> </ul>
11:00 – 12:30	<p><b><u>Session 2a: STI for ensuring inclusive and equitable quality education and promote lifelong learning opportunities for all (SDG 4)</u></b> <i>(Breakout session)</i></p> <p>Moderator: Dr. Agnes Lawrence Kijazi (United Republic of Tanzania), Director General, Tanzania Meteorological Agency (TMA) (10 Member Group – co-chair)</p> <ul style="list-style-type: none"> <li>● Mr. Manpreet S. Manna, Director, Administration &amp; Swayam, All India Council for Technical Education, Ministry of Human Resources Development, India</li> <li>● Professor Shahbaz Khan, Director of the UNESCO Regional Sciences Bureau for Asia and the Pacific</li> <li>● Ms. Marianne Mensah, International Executive Director, Universite Cote d’Azur, France</li> </ul> <p>Discussant:</p> <ul style="list-style-type: none"> <li>● H.E. Mrs. Elizabeth Thompson, Ambassador Extraordinary and Plenipotentiary, Permanent Representative of Barbados, co-chair of the STI Forum</li> </ul>
11:00 – 12:30	<p><b><u>Session 2b: STI for Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels (SDG 16)</u></b> <i>(breakout session)</i></p> <p>Moderator: Ms. Špela Stres, Director, Innovation and Technology Transfer Center for the Jozef Stefan Institute, Slovenia (10 Member Group)</p> <p>Panelists:</p> <ul style="list-style-type: none"> <li>● Ms. Sanyukta Samaddar, Adviser, <i>Sustainable Development Goals/Rural Development/Governing Council Secretariat Divisions</i>, NITI Aayog, Government of India</li> <li>● Dr. Paula Hidalgo-Sanchis, Manager Pulse Lab Kampala (UN Global Pulse)</li> <li>● Ms. Yola Georgiadou, Professor, Department of Urban and Regional Planning and Geo-Information Management, University of Twente</li> </ul>
12:30 – 14:00	<i>Lunch break</i>
14:00 – 15:30	<p><b><u>Session 2c: STI for promoting sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all (SDG 8)</u></b> <i>(Breakout session)</i></p> <p>Moderator: Dr. Anne-Christine Ritschkoff, Senior Advisor, VTT Technical Research Center of Finland Ltd., Finland (10 Member Group)</p> <p>Panelists:</p> <ul style="list-style-type: none"> <li>● Mr. Tristan Ace, Social Enterprise Lead, British Council</li> <li>● Mr. Edward Lorenz, Professor, Universite Cote d’Azur, France</li> <li>● Mr. Takaki Tsujimoto, Vice President, JETRO Bangkok</li> <li>● Mr. Yuan Guangxia, Deputy Director of Exchange and Cooperation Division,</li> </ul>

	<p>on behalf of Mr. Wang Ruijun, former CSTD Chair, Head of Guangdong Science and Technology Department, China</p> <ul style="list-style-type: none"> <li>● Mr. Shuvojit Banerjee, Macroeconomic Policy and Analysis Section, Macroeconomic Policy and Financing for Development Division (TBC)</li> </ul>
14:00 – 15:30	<p><b>Session 2d: STI for taking action to combat climate change and its impacts. (SDG 13) (Breakout session)</b></p> <p>Moderator: Professor GUO Huadong, President, Chairman Institute of Remote Sensing and Digital Earth of the Chinese Academy of Sciences (CAS) China (10 Member Group)</p> <p>Panelists:</p> <ul style="list-style-type: none"> <li>● Ms. Leena Srivastava, Vice Chancellor, TERI University</li> <li>● Dr. Abdessalem Rabhi, Principal Programme Manager, IGES Kansai Research Center, Japan (under consultation with IGES)</li> <li>● Mr. Bert van der Plas, UNFCCC secretariat.</li> </ul> <p><u>Guiding questions:</u></p> <ul style="list-style-type: none"> <li>● Which STI approaches, actions or policies have proven successful in accelerating clean energy innovation to address climate change?</li> <li>● What are the main knowledge and implementation gaps that call for more research and technology development? How could these gaps best be addressed at national and local levels?</li> <li>● How to structure and organize a session on SDG13 in the STI Forum to facilitate discussion and the identification of relevant recommendations? Which speakers and key stakeholders would you recommend to participate in this session? What should be the desirable deliverables?</li> <li>● What would be your three key recommendations for policy and concrete action?</li> </ul>
15:30 – 15:45	<i>Coffee Break</i>
15:45 – 17:00	<p><b>Session 2e: STI for reducing inequality within and among countries (SDG 10) (plenary session)</b></p> <p>Moderator: Mr. Shantanu Mukherjee, Chief, Integrated Policy Analysis Branch, DSDG, DESA</p> <p>Panelists:</p> <ul style="list-style-type: none"> <li>● Dr. Susan Cozzens, Georgia Tech, USA</li> <li>● Dr. Aliza Belman Inbal, Director of the Pears Program for Global Innovation, Jerusalem Institute for Policy Research</li> <li>● Ms. Sharmilla Binti Mohamed Salleh, Acting CEO, Yayasan Inovasi Malaysia</li> <li>● Ms. Marta Pérez Cusó, Technology and Innovation Section, Trade, Investment and Innovation Division, ESCAP</li> </ul>

<b>Day Two</b>	
8:30 - 9:30	Closed meeting of the 10 Member Group and informal exchanges with the co-chairs of the STI Forum

	<p>- Expectations and potential contributions to the 2019 STI Forum</p>
<p>9:30 – 10:45</p>	<p><b>Session 3: Promoting synergies with indigenous knowledge for the achievement of the SDGs</b></p> <p><i>This session will discuss how to harness indigenous and traditional knowledge relevant to the achievement of the SDGs. It will also present recommendations on how better highlight and mainstream the role of indigenous knowledge in the STI Forum.</i></p> <p>Moderator: Dr. Paulo Gadelha, former President, Oswaldo Cruz Foundation (Fiocruz), Brazil (10 Member Group)</p> <p>Panelists:</p> <ul style="list-style-type: none"> <li>● Ms. Sharmilla Binti Mohamed Salleh, Acting CEO, Yayasan Inovasi Malaysia</li> <li>● Dr. Anamika Dey, Honey Bee Network, India</li> <li>● Ms. Minnie Degawan, Director, Indigenous and traditional peoples programme, Conservation International, Washington DC (Philippines)</li> </ul> <p>Discussant:</p> <ul style="list-style-type: none"> <li>● Dr. Bartłomiej Kolodziejczyk, Chief Technology Officer, H2sG Energy, Singapore/Australia</li> <li>● Ms. Marta Perez Cuso, Economic Affairs Officer, Technology and Innovation Section (ESCAP)</li> </ul> <p><u>Guiding questions:</u></p> <ul style="list-style-type: none"> <li>● How to create synergies with indigenous knowledge and grassroots technologies for achieving the selected SDGs?</li> <li>● How to ensure that STI for SDGs leaves no one behind?</li> <li>● How to structure and organize a session on creating synergies with indigenous knowledge for achieving the SDGs during the STI Forum to facilitate discussion and identification of relevant recommendations?</li> </ul>
<p>10:45 – 11:00</p>	<p><i>Coffee Break</i></p>
<p>11:00 – 12:45</p>	<p><b>Session 4: Emerging technology clusters and the impact of rapid technology change on the SDGs</b></p> <p><i>This session will discuss emerging technologies and initial findings on their impact on the SDGs. It will also present recommendations on how to structure and organize a discussion on that topic during the STI Forum. Various emerging technologies such as AI, biotechnology, nanotechnology, etc. can be discussed.</i></p> <p>Moderator: Dr. José Ramón López-Portillo Romano, Chairman/non-Executive Director Zenith Energy Ltd, Mexico (10 Member Group)</p> <p>Panelists:</p> <ul style="list-style-type: none"> <li>● Dr. Bartłomiej Kolodziejczyk, Chief Technology Officer, H2sG Energy, Singapore/Australia</li> <li>● Dr. Khalisah Zulkefli, Department of Biological Sciences, Sunway University, Malaysia</li> <li>● Mr. Chiung Song, Chief Director, Division of Global Innovation Strategy of the Science and Technology Policy Institute, Republic of Korea</li> </ul>

	<ul style="list-style-type: none"> <li>● Dr. Gong Ke, President Elect, World Federation of Engineering Organization; President of Nankai University, China</li> </ul> <p>Discussants:</p> <ul style="list-style-type: none"> <li>● Mr. Donovan Guttieres, MIT Center for Biomedical Innovation; UN Major Group for Children &amp; Youth</li> <li>● Ms. Arisa Ema, Project Assistant Professor, Policy Alternatives Research Institute, The University of Tokyo, Japan</li> <li>● Mr. Sameer Sharma, Senior Advisor, ITU, Regional Office for Asia-Pacific, Bangkok</li> <li>● Clovis Freire, UNCTAD/Richard A Roehrl, DESA</li> </ul> <p><u>Guiding questions:</u></p> <ul style="list-style-type: none"> <li>● What opportunities and risks does recent accelerated technology change have for developing and developed countries? How would these transform the pathways toward the SDGs?</li> <li>● Which new and disruptive technology clusters should be considered as transformative for reaching the SDGs as a whole?</li> <li>● What have been the results and lessons-learnt from work on this topic in the Technology Facilitation mechanism?</li> <li>● How can countries best prepare for these changes?</li> <li>● How to structure and organize a STI Forum session on emerging technology clusters and the impact of rapid technology change? Which speakers do you recommend for the respective session of the Forum?</li> <li>● What are your three most important recommendations for policy and concrete action?</li> </ul>
12:45 – 14:00	<i>Lunch break</i>
14:00 – 16:00	<p><b>Session 5: Taking stock and lessons-learnt from the start-up phase of the TFM since 2015</b></p> <p><i>This session will informally take stock and identify key lessons-learnt from the Technology Facilitation Mechanism (TFM) since its inception in 2015, in order to inform the UN discussions on the 2030 Agenda in 2019.</i></p> <p>Moderator: Dr. Paulo Gadelha, former President, Oswaldo Cruz Foundation (Fiocruz), Brazil (10 Member Group)</p> <p>Introductory presentation:</p> <ul style="list-style-type: none"> <li>● Mr. Richard A Roehrl, Senior Economic Affairs Officer, Division for Sustainable Development Goals, DESA</li> </ul> <p>Panelists:</p> <ul style="list-style-type: none"> <li>● Dr. Anne-Christine Ritschkoff, Senior Advisor, VTT Technical Research Center of Finland Ltd., Finland</li> <li>● Dr. José Ramón López-Portillo Romano, Chairman/non-Executive Director, Zenith Energy Ltd, Mexico</li> <li>● Dr. Gong Ke, President Elect, World Federation of Engineering Organization; President of Nankai University, China</li> <li>● Prof. Tateo Arimoto, Professor of GRIPS and Principal Fellow of the Japan Science and Technology Agency (JST)</li> </ul> <p>Discussant: H.E. Mrs. Marie Chatardová, Ambassador Extraordinary and Plenipotentiary, Permanent Representative of the Czech Republic, former the President of ECOSOC</p>

	<p><u>Guiding questions:</u></p> <ul style="list-style-type: none"> <li>● In your view, what are the main lessons learnt from the start-up phase of the UN Technology Facilitation Mechanism (2015 to 2019)? What are the implications – if any – of the socio-technical and socio-economic changes since 2015?</li> <li>● What are your recommendations on the way forward for the TFM until 2023? How could the TFM engage in a more systematic way with stakeholders and other mechanisms?</li> </ul>
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Day Three	
9:00 – 10:30	<p><b>Session 6: STI roadmaps incorporating SDGs and their implications for policy and capacity building</b></p> <p><i>The session will discuss the latest version of the guidebook on building STI roadmaps for SDGs as a policy-making and communication tool for Member States. It will also review a proposed global pilot programme on STI roadmaps in order to build capacity for and scale up adoption of the Member States' STI roadmaps for the SDGs. The session will discuss recommendations on how structure and organize a discussion on that topic during the STI Forum.</i></p> <p>Moderator: Dr. Michiharu Nakamura, Senior Advisor (Former President), Japan Science and Technology Agency (10 Member Group)</p> <p>Introductory presentation and IATT subgroup's work: Mr. Naoto Kanehira, Senior Private Sector Specialist, the World Bank Group</p> <p>Panelists:</p> <ul style="list-style-type: none"> <li>● Mr. Tom Peter Migun Ogada, Executive Director, African Center for Technology Studies (ACTS) and Chairperson, Kenyan National Commission for Science, Technology and Innovation (NACOSTI)</li> <li>● Mr. Dietrich Van der Weken, General Manager, Global Sustainable Technology and Innovation Conference (VITO/GSTIC)</li> <li>● Mr. Has Bunton, Secretary General National Science and Technology, Ministry of Planning of Cambodia</li> <li>● Ms. Monika Matusiak, Directorate General Joint Research Centre (JRC), European Commission, Directorate B – Growth and Innovation, Smart Specialisation Platform</li> <li>● Mr. Jonathan Tsuen Yip Wong, Chief of Technology and Innovation, the Trade, Investment, and Innovation Division, ESCAP</li> </ul> <p>Discussants:</p> <ul style="list-style-type: none"> <li>● Mr. Ludovico Alcorta, Professorial Fellow on "Technology, Innovation and Sustainable Development" at UNU MERIT, School of Business and Economics, University of Maastricht, The Netherlands</li> <li>● Mr. Wei Liu, Coordinator, UN Inter-agency Task Team on Science, Technology and Innovation for the SDGs, DSDG/DESA</li> </ul> <p><u>Guiding questions:</u></p> <ul style="list-style-type: none"> <li>● What are good examples of effective roadmaps? What are their characteristics? How would STI roadmaps for the SDGs need to differ from other more narrow roadmaps? What is the relationship to STI policy and development planning? How should new and emerging technology</li> </ul>

	<p>clusters be reflected in STI roadmaps for the SDGs?</p> <ul style="list-style-type: none"> <li>● What is the status of the Global Pilot Program for STI for SDGs Roadmaps, guidebook on development of STI roadmaps, and state of deliberation in championing/pilot candidate countries? What institutional mechanisms needed to further engage countries to continuously scan the horizon, analyse the gaps, track progress and inform corrective measures? How to integrate roadmaps into established UN and IATT capacity building for STI?</li> <li>● How to structure and organize a session on this topic during the STI Forum? Which speakers do you recommend?</li> <li>● What are the concrete recommendations for action that could result from such a discussion at the STI Forum? What would be desirable STI Forum recommendations on the roadmaps?</li> </ul>
10:30 – 10:45	Coffee Break
10:45 – 12:00	<p><b>Session 7: Gender and STI for SDGs</b></p> <p><i>This session will take stock of the key messages and recommendations highlighted in the area of gender and STI, and ways to harness the cross cutting nature of gender/STI for the achievement of the SDGs. It will also provide recommendations on how to structure a discussion on that theme during the STI Forum.</i></p> <p>Moderator: Dr. Agnes Lawrence Kijazi (United Republic of Tanzania), Director General, Tanzania Meteorological Agency (TMA) (10 Member Group co-chair)</p> <p>Panelists:</p> <ul style="list-style-type: none"> <li>● Ms. Maria Theresa Mateo, Managing Director, CXCatalysts</li> <li>● Dr. Anthony C. Sales, Regional Director, Department of Science and Technology (DOST), The Philippines</li> <li>● Ms. Araba Sey, Principal Research Fellow, UNU-CS</li> <li>● Professor Shahbaz Khan, Director of the UNESCO Regional Sciences Bureau for Asia and the Pacific</li> </ul> <p><u>Guiding questions:</u></p> <ul style="list-style-type: none"> <li>● What are the main STI related challenges and solutions for women and girls and gender equality that should be addressed during the Forum? In particular:</li> <li>● Challenges and opportunities for gender-responsiveness in STI/STEM fields? What are the policy measures and good practices to attract and retain women and girls, achieve gender parity and fully leverage women and girls' potential?</li> <li>● Challenges and opportunities for leveraging STI to better address the needs of and empower women and girls. Potential speakers who can address the issues discussed?</li> </ul>
12:00 – 13:30	Lunch break
14:00-15:15	<p><b>Commitments for the STI Forum, including substantive background papers and materials for the STI Forum</b></p> <p>Moderator: Shantanu Mukherjeel, DESA and Clovis Freire, UNCTAD</p> <p>Open discussion and expressions of interest</p>
15:15 – 15:30	<b>Closing</b>

	<p>Mr. Jong Soo Yoon, Head of UNOSD  Ms. Mia Mikic, Director of Trade, Investment and Innovation Division, ESCAP</p> <p>Mr. Clovis Freire, UNCTAD  Mr. Shantanu Mukherjee, Chief of Branch, DESA</p>
15:30 – 16: 45	<p>Closed meeting of IATT and 10 MG <b><u>on the STI Forum 2019</u></b></p> <p><i>Moderators: Shantanu Mukherjee (DESA) and Clovis Freire (UNCTAD) (TFM co-convenors)</i></p> <p><i>This session will discuss specific organizational elements, mobilisations of participants, division of labour and outreach for the STI Forum.</i></p> <p>Next steps</p> <ul style="list-style-type: none"> <li>• Dr. Agnes Lawrence Kijazi (United Republic of Tanzania), Director General, Tanzania Meteorological Agency (TMA)</li> <li>• Dr. Paulo Gadelha, former President, Oswaldo Cruz Foundation (Fiocruz), Brazil</li> </ul>