

**The Fourth Multi-stakeholder Forum on Science, Technology and Innovation  
for the SDGs**

*Convened by the President of ECOSOC  
Supported by the 10-Member Advisory Group and the UN Inter-Agency Task Team  
on Science, Technology and Innovation (STI) for the SDGs*

*Co-Chaired by H.E. Ms. H. Elizabeth Thompson, Permanent Representative of  
Barbados to the United Nations, and  
H.E. Ms. Marie Chatardová, Permanent Representative of the Czech Republic to the  
United Nations*

**14-15 May 2019**

**Conference Room 4 (unless noted otherwise), UN Headquarters, New York**

**Programme**

**Day 1, 14 May 2019**

**10:00 – 10:40 Welcome address and opening: appreciating the cross-cutting  
nature of science, technology and innovation**

**Opening remarks:**

- H.E. Ms. Inga Rhonda King, President of the Economic and Social Council
- Mr. Liu Zhenmin, UN Under-Secretary-General for Economic and Social Affairs

**Keynote speakers:**

- Mr. Romain Murenzi, Executive Director, World Academy of Sciences
- Ms. Claudette McGowan, Chief Information Officer, Bank of Montreal, Canada

**10: 45 – 11: 55 Session 1: Emerging technology clusters and the impact of  
rapid technological change on the SDGs**

*This session will discuss the implications of rapid technological change on the SDGs,  
in particular, the social, economic and environmental impacts of new and emerging  
technologies, such as AI, biotechnology, nanotechnology. It will conclude with policy  
recommendations.*

**Chair:** H.E. Ms. Marie Chatardová

**Moderator:** Ms. Ada Yonath, 10-Member Advisory Group; Nobel Laureate and  
Director, the Helen and Milton A. Kimmelman Center for Biomolecular Structure and  
Assembly of the Weizmann Institute of Science, Israel

Presentation of TFM findings, as per General Assembly resolution 73/17

- Mr. Alex Trepelkov, Officer-in-Charge, Division for Sustainable Development Goals, DESA

### **Panelists**

- Ms. Abby Shapiro, Vice President, US Council for International Business, (USCIB)
- Ms. Isabel Guerrero Pulgar, Member of Secretary-General's High-level Panel on Digital Cooperation. Director, IMAGO Global Grassroots and Lecturer, Harvard Kennedy School, Chile
- Mr. Amir Dossal, President, Global Partnerships Forum

Interactive discussion

### **12:00 – 13:00 Ministerial Segment (Session 2): Strengthening capacity and policy for the development of science, technology, and innovation roadmaps**

*During this session ministers and other high-level officials will present national and sub-national initiatives related to design and review of STI for SDG roadmaps and related policy actions. The session will also discuss potential support to strengthen international partnerships in the area of capacity-building on STI for SDG roadmaps.*

**Chair:** H.E. Ms. H. Elizabeth Thompson

### **High-level statements**

13:00 – 15:00 Lunch break

UN HQs Visitors' Lobby:

#### **13:30 – 14:15 Special event 1: Launch of exhibition of innovative technology solutions for the SDGs**

*UN-DESA together with the Global Innovation Exchange launched a Global Call for Innovations for the SDGs – a call for innovators, scientists, entrepreneurs and sustainability change agents worldwide to submit innovative solutions for sustainable development, especially with regard to the five SDGs that have been selected for in-depth review in 2019 in particular: SDGs 4, 8, 10, 13, and 16.*

**Welcome:** H.E. Ms. Inga Rhonda King, President of the Economic and Social Council

#### **Remarks:**

Mr. Gong Ke, President-elect, World Federation of Engineering Organizations; President of Nankai University, China.

Ms. Sweta Govani, Senior Communication Officer and Lead, Global Innovation Exchange (GIE), Results for Development, USA

### **15:00 – 16:30 Session 3: Science, Technology and Innovation for education and decent work for the future (SDG 4 and SDG 8)**

*The session will discuss ways in which science, technology, and innovation can better support SDG 4 (quality education) and SDG 8 (decent work and economic growth). The session will also look at how to re-shape education to prepare for a rapidly changing future of work. It will identify challenges and needs, good practices and policy recommendations.*

**Chair:** H.E. Ms. Marie Chatardová

#### **Innovators' presentations:**

- We Love Reading, (Rana Dajani) - Jordan
- Can't Wait to Learn, (Kate Radford) - Netherlands

**Moderator:** Ms. Anne-Christine Ritschkoff, 10-Member Advisory Group; and Senior Advisor VTT Technical Research Centre of Finland Ltd., Finland

#### **Panelists**

- Mr. Stefan Schnorr, Directorate-General, Digital and Innovation Policy, Federal Ministry for Economic Affairs and Energy, Germany
- Ms. Myung Ja Kim, President of the Korean Federation of Science and Technology Societies, Republic of Korea
- Mr. Antonin Fejfar, President of the Council for Science, Czech Republic Academy of Science
- Mr. Chaesub Lee, Director, Telecommunication Standardization Bureau, ITU

Interactive discussion

### **16:30 – 18:00 Session 4: Gender and Science, Technology and Innovation for the SDGs**

*This session will discuss issues related to attracting and retaining women in STI/STEM fields and, supporting women entrepreneurship, including through access to capital.*

**Chair:** H.E. Ms. H. Elizabeth Thompson

**Moderator:** Ms. Špela Stres, 10-Member Advisory Group; and Head of Innovation and Technology Transfer Center, Jožef Stefan Institute, Slovenia

#### **Panelists**

- Mr. James Heintz, Andrew Glyn Professor of Economics, University of Massachusetts, Amherst, USA
- Ms. Alice Abreu, Professor Emerita, Federal University of Rio de Janeiro, Brazil, Member of the Gender Advisory Board of UNCSTD and of the Steering Committee of GenderInSITE
- Ms. Aliza Inbal, Director, Pears Program for Global Innovation, Jerusalem Institute for Policy Research, Israel

Interactive discussion

UN Neck Area, GA Building 1 B (next to the Vienna café)

**18:00-18:30 Launch of the exhibition on gender and STI**

Exhibit will feature prominent women scientists from around the world and their contribution (co-organized by WIPO, ITU, DESA and UNESCO)

**Opening remarks:** H.E. Ms. H. Elizabeth Thompson, Co-Chair of the STI Forum 2019, Permanent Representative of Barbados to the United Nations

**Remarks:**

Mr. Paulo Gadelha, 10-Member Advisory Group; Coordinator of the FIOCRUZ Strategy for the 2030 Agenda, Oswaldo Cruz Foundation (FIOCRUZ), Brazil

Ms. Jyoti Chopra, Senior Vice President, Global Executive, Diversity & Inclusion, HR Operations & Transformation at Pearson Plc., USA

**18:30 – 20:00 Reception for all STI Forum participants, hosted by the Co-chairs of the STI Forum, Sputnik area, the UN General Assembly Building**

**Day 2, 15 May 2019**

**10:00-10:05 Brief video message:** Mr. A Min Tjoa (Austria), Chair, UN Commission on Science and Technology for Development

**10:05 – 11:30 Session 5: A Brighter Future – Youth, Innovation Ecosystems, and Development**

*The session will discuss ways of building sustainable innovation ecosystems of the future that are commensurate with the SDG aspirations, including national research and engineering institutions and infrastructures. There will be a focus on the role and perspectives of youth.*

**Innovators presentations:**

- A roof, a Skill and a Market for Women (Anne k Rweyora) - Uganda
- Broad Class - Listen to Learn (Fakhira Najib) - Pakistan
- Coliba Recycling (Prince Agbata) - Ghana

**Chair:** H.E. Ms. H. Elizabeth Thompson

**Moderator:** Ms. Heide Hackmann (South Africa), 10-Member Advisory Group; and Chief Executive Officer, International Science Council

### Panelists

- Ms. Khalisah Zulkefli, biochemist, University of Melbourne, Australia
- Ms. Amollo Ambole, Africa Climate Change Leadership program (AfriCLP) policy fellow, University of Nairobi, Kenya
- Ms. Tia Hodges, Senior Program Officer, Citi Foundation

Interactive discussion

### 11:30 – 13:00 Session 6: STI for inclusive and equitable societies (SDG 10 and SDG 16)

*The session will discuss ways in which science, technology, and innovation can better support SDG 10 (reducing inequalities) and SDG 16 (peace, justice, and strong institutions). In particular, the session will focus on how to achieve inclusive societies in a rapidly changing world. It will identify challenges and needs, good practices and policy recommendations.*

**Chair:** H.E. Ms. Marie Chatardová

#### Innovators presentations

- DIYlaw (Funkola Odeleye) - Nigeria
- Using UAVs to Map, Monitor and Protect Indigenous Territories (Nina Tushev) - USA

**Moderator:** Mr. Huadong Guo, 10-Member Advisor Group; and Chairman of Academic Committee, Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences

### Panelists

- Mr. Mahmoud Mohieldin, Senior Vice President for the 2030 Development Agenda, UN Relations and Partnerships, World Bank
- Mr. Bonian Golmohammadi, Secretary-General 16+Forum, Sweden

Interactive discussion

13:00-15:00 Lunch break

## Conference Room 6

### 13:15 – 14:30 Special event 2: Roundtable on STI roadmaps for the SDGs - the technical perspective

*The special event will discuss the UN work and collaboration on development of the guidebook on building STI roadmaps for the SDGs as a policy-making and communication tool for Member States. It will also present 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 the topic.*

**Moderator:** Mr. Michiharu Nakamura, 10-Member Group of High-level representatives; and Senior Advisor/Former President, Japan Science and Technology Agency

#### **Welcome remarks:**

- Mr. Shantanu Mukherjee, Chief, Integrated Policy and Analysis Branch, Division for Sustainable Development Goals, DESA

#### **Panelists**

- Ms. Motoko Kotani, Executive Member of the Council for Science, Technology and Innovation (CSTI), Prime Minister Cabinet Office, Japan
- Mr. Paulo Correa, Advisor at Finance, Competitiveness and Innovation Global Practice of the World Bank
- Mr. Dirk Fransaer, Director General, VITO, Belgium
- Mr. Kenji Suzuki, Senior General Manager, African Division, Toyota Tsusho Corp., Japan
- Dr. Annalee Babb, Special Envoy and Special Advisor to the Minister of Innovation, Science, and Smart Technology, Barbados

Interactive discussion

### 15:00 – 16:00 Session 7: STI for taking action to combat climate change and its impacts (SDG 13)

*The session will discuss ways and means in which science, technology, and innovation can better support SDG 13 on addressing anthropogenic climate change. This may include aspects of international cooperation, capacity-building, and the facilitation of development, scaling up, adoption, and dissemination of climate-relevant technologies. The session will identify challenges and needs, good practices and policy recommendations.*

**Chair:** H.E. Ms. H. Elizabeth Thompson

**Innovators presentations:**

- BioLite HomeStove (Matthew Goldberg) - USA
- No Food Waste (Padmanaban Anantha Gopalan) - India
- It's our forest too (Christina Dahl Jensen) – Denmark, application in Cambodia

**Moderator:** Ms. Agnes Lawrence Kijazi, Co-Chair of the 10-Member Advisory Group; and Director General, Tanzania Meteorological Agency (TMA), United Republic of Tanzania

**Panelists**

- Ms. Mikiko Kainuma, Senior Research Advisor, Institute for Global Environmental Strategies, Japan
- Mr. Seth Schultz, Special Advisor to Global Covenant of Mayors on Science & Innovation, Founder/CEO – Urban Breakthroughs, New York, USA
- Ms. Signe Ratso, Deputy Director General, Directorate-General “Research and Innovation” (RTD), European Commission

Interactive discussion

**16:00 – 17:00 Session 8: Linking science, technology and innovation of indigenous peoples, culture and traditional knowledge, and the achievement of the SDGs**

*This session will discuss how to find synergies with indigenous and traditional knowledge and local technologies relevant to the achievement of the SDGs. It will also present recommendations on how better highlight and mainstream the role of indigenous knowledge.*

**Chair:** H.E. Ms. Marie Chatardová

**Moderator:** Mr. José Ramón López-Portillo Romano, 10-Member Advisory Group; and Chairman, Q Element Ltd., Mexico

**Panelists**

- Ms. Minnie Degawan, Director of Indigenous and Traditional Peoples Program, Conservation International
- Mr. Freddy Mamani, Aymara architect, Bolivia
- Ms. Chandra Roy-Henriksen, Chief, Secretariat of the Permanent Forum on Indigenous Issues

Interactive discussion

**17:00 –18:00 Session 9: Supporting the implementation of the Technology Facilitation Mechanism – the way forward for joint action – and closing**

*This session will present a number of initiatives from across the world (including the on-line platform) that support the science-based, solution-oriented, multi-stakeholder and collaborative approach of the Technology Facilitation Mechanism (TFM) including discussions on broadening their impacts and making them self-sustaining, lessons learnt and ways forward.*

**Co-Chairs:** H.E. Ms. H. Elizabeth Thompson and H.E. Ms. Marie Chatardová

**Moderator:** Mr. Vaughan Turekian, Co-Chair of the 10-Member Advisory Group; and Executive Director Policy and Global Affairs National Academies of Sciences Engineering and Medicine, USA

**Panelists**

- Mr. Macharia Kamau, Principal Secretary, Ministry of Foreign Affairs, Kenya
- Ms. Lynn St. Amour, Chair, Multi-stakeholder Advisory Group to the Internet Governance Forum
- Mr. Joshua Phoho Setipa, Managing Director, Technology Bank for Least Developed Countries

Interactive discussion

**Closing remarks by:**

- H.E. Ms. Inga Rhonda King, President of the Economic and Social Council