

**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. Dr. Toshiya Hoshino, Ambassador,  
Deputy Permanent Representative of Japan to the United Nations, and  
H.E. Mr. Juan Sandoval-Mendiolea, Ambassador,  
Deputy Permanent Representative of Mexico to the United Nations

**5-6 June 2018**  
**Conference Room 4, UN Headquarters**  
*(unless noted otherwise)*

**Programme**

**Note:** All sessions include interactive discussions. Member States are encouraged to submit their written statements to the Secretariat ([godunova@un.org](mailto:godunova@un.org)) for posting on the UN Website.

**Day 1, 5 June 2018**

**10:00 – 11:00 Welcome address and opening: appreciating the cross cutting nature of science, technology and innovation**

**Opening remarks:**

- H.E. Ms. Marie Chatardová, President of the Economic and Social Council
- Maria Luiza Ribeiro Viotti, Chef de Cabinet for UN Secretary-General
- Mr. Liu Zhenmin, Under Secretary-General for Economic and Social Affairs, United Nations

**Keynote speakers:**

- Mr. Andrew Keen, author of *The Internet is Not the Answer* and *How to Fix the Future*
- Ms. Noriko Arai, Professor, Japan National Institute of Informatics, Japan
- Mr. Eric Garcetti, Mayor of Los Angeles, USA (video message)

**11:00 – 12:15            Session 1: Impact of rapid technological change on the achievement of the Sustainable Development Goals**

*This session will highlight global trends and responds to General Assembly resolution A/RES/72/242 OP4 which mandates the 3<sup>rd</sup> Multi-Stakeholder Forum to include a session on the impact of rapid technological change on the achievement of the Sustainable Development Goals, including cases in which changes may occur at an exponential pace.*

*Various emerging technology clusters such as AI, biotechnology, and nanotechnology will be discussed.*

**Chair:** H.E. Mr. Juan Sandoval-Mendiolea, Ambassador, Deputy Permanent Representative of Mexico to the United Nations

- Mandated TFM findings: Mr. Elliott Harris, Chief Economist and Assistant Secretary-General for Economic Development, UN Department for Economic and Social Affairs
- Update from CSTD: Mr. Peter Major, Vice-chair of the 21st session of the CSTD (Commission on Science and Technology for Development)

**Moderator:** H.E. Mr. Miguel Ruíz Cabañas, Undersecretary for Multilateral Affairs and Human Rights, Ministry of Foreign Affairs, Mexico

**Panelists**

- H.E. Ms. Sarah Al Amiri, Minister of State for Advanced Sciences, UAE
- Mr. Thomas Philbeck, Head of Science and Technology Studies, World Economic Forum (WEF)
- Mr. Göran Marby, President and CEO of the Internet Corporation for Assigned Names and Numbers (ICANN)

**12:15 – 13:00      Session 2: Interactive Dialogue with the 10 Member Group to support the Technology Facilitation Mechanism**

*This session will enable the members of the 10-Member Group to introduce themselves individually and interact with the audience.*

**Co-Chaired by:**

- H.E. Dr. Toshiya Hoshino, Ambassador, Deputy Permanent Representative of Japan to the United Nations
- H.E. Mr. Juan Sandoval-Mendiolea, Ambassador, Deputy Permanent Representative of Mexico to the United Nations

**Moderator:** Mr. George Essegby, Director, Science and Technology Policy Research Institute, Ghana, Member, 10MG, 2016-17

**Roundtable:** All members of the 10-Member Group

UN HQs Visitors' Lobby:

**13:15 – 14:00 Special event 1: Launch of exhibition of innovative technology solutions for SDGs**

*UN-DESA, in collaboration 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 their innovations as workable solutions for sustainable development (especially the five SDGs that have been selected for focus in 2018 in particular: SDGs 6, 7, 11, 12, and 15). Poster entries were also solicited from research institutions. Selected submissions from these calls are featured here, to help support awareness raising, broader dissemination, and discussions around scaling up, mentorship, enterprise development and policies.*

**Welcome:** H.E. Ms. Marie Chatardová, President of the Economic and Social Council

**Remarks:** H. E. Mr. Miroslav Lajčák, President of the General Assembly

Mr. José Ramón López-Portillo Romano, Chairman, Q Element Ltd, and  
Mr. Michiharu Nakamura, Senior Advisor, Japan Science and Technology Agency

### **15:00 – 16:00      Session 3: STI for sustainable management of water and sanitation for all (SDG 6)**

*The session will discuss the status of existing knowledge and technology, and explore the potential for how science, technology and innovation can support the achievement of SDG 6 on water and sanitation. The session will help identify good practices and policy recommendations, as well as challenges and needs, especially as they relate to international cooperation, innovation and capacity-building, with a view to facilitate the development, scaling up adoption and dissemination of relevant technologies for SDG 6.*

**Chair:** H.E. Mr. Juan Sandoval-Mendiola, Ambassador, Deputy Permanent Representative of Mexico to the United Nations

#### **Innovation pitches:**

- Technorbital Drinking Water Systems, Sreekumar Thaliyil Veedu
- SweetSense Remote Water Monitoring Platform, Dexter Gauntlett
- Maji Mamas, Sydney Gray

**Moderator:** Ms. Špela Stres, Head of Innovation and Technology Transfer Center for Jožef Stefan Institute, Slovenia

#### **Panelists**

- Ms. Charlotte Watts, Chief Scientific Advisor, UK
- Mr. Ernesto Rodriguez Leal, Director of Innovation, Rotoplas, Mexico
- H.E. Ms. Katalin Annamaria Bogyay [PR of Hungary to the UN] in her capacity as a member of the steering committee of the World Science Forum

## **16:00 – 17:00 Session 4: STI for sustainable consumption and production patterns (SDG 12)**

*The session will discuss the status of existing knowledge and technology, and explore the potential for how science, technology and innovation can support the achievement of SDG 12 on sustainable consumption and production. The session will help identify good practices and policy recommendations, as well as challenges and needs, especially as they relate to international cooperation, innovation and capacity-building, with a view to facilitate the development, scaling up adoption and dissemination of relevant technologies for SDG 12.*

**Chair:** H.E. Dr. Toshiya Hoshino, Ambassador, Deputy Permanent Representative of Japan to the United Nations

### **Innovation pitches**

- FoPo Food Powder, Gerald Marin
- Land for Life: Inga Alley-Cropping for Sustainability, Marian Van Noppen

**Moderator:** Ms. Anne-Christine Ritschkoff, Senior Advisor VTT Technical Research Centre of Finland Ltd

### **Panelists**

- Mr. Shenggen Fan, Director General, International Food Policy Research Institute (IFPRI)
- Mr. Arun Sundararajan, Professor and Faculty Fellow, Stern School of Business, New York University (NYU) and author, *The Sharing Economy*
- Ms. Erika Kraemer-Mbula, Associate Professor, University of Johannesburg, South Africa
- Mr. Marco van der Ree, Director of Business Development, Climate-KIC, European Institute of Innovation and Technology

## **17:00 – 18:00 Session 5: STI for sustainable terrestrial ecosystems (SDG 15)**

*The session will discuss the status of existing knowledge and technology, and explore the potential for how science, technology and innovation can support the achievement of SDG 15 on sustainable terrestrial ecosystems. The session will help identify good practices and policy recommendations, as well as challenges and needs, especially as they relate to international cooperation, innovation and capacity-building, with a view to facilitate the development, scaling up adoption and dissemination of relevant technologies for SDG 15.*

**Chair:** H.E. Dr. Toshiya Hoshino, Ambassador, Deputy Permanent Representative of Japan to the United Nations

**Moderator:** Mr. Huadong Guo, Chairman of Academic Committee, Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences (CAS)

### **Panelists**

- Mr. Didier Babin, Chair of the International Coordinating Council (ICC) of the UNESCO Man and the Biosphere (MAB) Programme and the President of the French National Program Committee for the UNESCO MAB
- Ms. Inger Elisabeth Måren, University of Bergen, Norway
- Ms. Skumsa Kathleen Audrey Mancotywa, Chief Director, Department of Environmental Affairs, South Africa
- Mr. Suresh Nair, Group Leader, Plant-Insect Interaction Group, International Centre for Genetic Engineering and Biotechnology (ICGEB), India

**18:30 – 20:30 Reception (Express Bar, invitation only due to limited capacity)**

### **Day 2, 6 June 2018**

Conference Room 2:

**9:10-9:50 Special Event 2: Presentation of the “Point of No Return”, documentary on the first solar-powered aircraft to circumnavigate the world**

**Welcome remarks:** by H.E. Mr. Juan Sandoval-Mendiolea, Ambassador, Deputy Permanent Representative of Mexico to the United Nations

**Introduction:** Mr. Juwang Zhu, Director, Division for Sustainable Development Goals, DESA

**Brief remarks:** Mr. Jamil Ahmad, Director of the New York Office of the UN Environment Programme

**Presentation of highlights of the documentary:** Ms. Quinn Kanaly and Noel Dockstader, filmmakers

**10:00 – 11:00 Session 6: National STI roadmaps for the SDGs and capacity building**

*The session will discuss STI roadmaps, policies and related capacity building needs in the context of the SDGs, as seen from a range of country perspectives and present alternatives for how these could become more effective vehicles for driving STI development for the SDGs.*

**Chair:** H.E. Dr. Toshiya Hoshino, Ambassador, Deputy Permanent Representative of Japan to the United Nations

**Moderator:** Mr. William Colglazier, Center for Science Diplomacy, American Association for the Advancement of Science

**Panelists**

- H.E. Ms. Patricia Apiagyei, the Deputy Minister for Environment, Science, Technology and Innovation, Ghana
- Mr. Teruo Kishi, Science and Technology Advisor to the Minister for Foreign Affairs, Japan
- Ms. Aisha Jones, Director of Research, National Commission on Science and Technology, Jamaica
- Mr. Mahmoud Mohieldin, Senior Vice President for the 2030 Development Agenda, the World Bank Group

**11:00 – 12:00 Session 7: Realizing the full potential of local and indigenous knowledge, and home-grown innovations for the achievement of the SDGs**

*This session will discuss what is currently known about how local and indigenous knowledge contributes to the SDGs, and how indigenous peoples and local communities can build synergies between their knowledge systems and that of science to achieve the SDGs.*

*The session will further identify needs and gaps, with regard to policies and partnerships in this area.*

**Chair:** H.E. Dr. Toshiya Hoshino, Ambassador, Deputy Permanent Representative of Japan to the United Nations

**Co-Moderators:** Mr. Paulo Gadelha, Coordinator of the FIOCRUZ Strategy for the 2030 Agenda, Oswaldo Cruz Foundation (FIOCRUZ) and Ms. Myrna Cunningham, President, Center for Autonomy and Development of Indigenous Peoples (CADPI)

**Panelists:**

- Ms. Minnie Degawan, Director, Indigenous and traditional peoples programme, Conservation International, Washington DC
- Mr. Joel Heath, Executive Director, The Arctic Eider Society, Sanikiluaq, Canada
- Mr. Mulubrhan Gebremikael, UNEP-IEMP (International Ecosystem Management Program), Beijing, China

- Ms. Jozelin Soto, Milpa Maguey Tierno de la Mujer Sss, Mexico

**12:00 – 13:00            Session 8: Supporting the implementation of the Technology Facilitation Mechanism – the way forward for joint action**

*This session will present a number of initiatives from across the world 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.*

**Co-Chaired by:**

- H.E. Mr. Juan Sandoval-Mendiolea, Ambassador, Deputy Permanent Representative of Mexico to the United Nations
- H.E. Dr. Toshiya Hoshino, Ambassador, Deputy Permanent Representative of Japan to the United Nations

**Moderator:** Peter Gluckman, Chief Science Advisor to the Prime Minister, New Zealand

**Panelists**

- Mr. Alfred Watkins, Chair, Global Solutions Summit, USA
- Ms. Simonetta Di Pippo, Director of the United Nations Office for Outer Space Affairs (UNOOSA), Vienna, Austria
- Ms. Veerle Vandeweerd, policy director, G-STIC and chair of the Board of the co-hosts of G-STIC
- Mr. Rafat Al-Akhali, Pathways for Prosperity: Commission on Technology and Inclusive Development, Oxford, UK

Conference Room 7:

**13:15 – 14:30 Special event 3: Roundtable of STI innovators, funders and other supporters**

*The session, in collaboration with the International Academic Forum (IAFOR), will bring together innovators and entrepreneurs, those interested in financing solutions with positive impact for sustainable development, and those who develop the policies. Representatives from the finance industry, foundations, institutional and individual investors, investment professionals, development finance institutions, and civil society will be invited to attend.*

**Moderators:** Dr. Joseph Haldane, Chairman and CEO, The International Academic Forum (IAFOR) & Guest Professor, The Osaka School of International Public Policy,

Osaka University, Japan and Ms. Amber Nystrom - Co-Founding Principal, 5th Element Group

**Welcome remarks:** H.E. Dr. Toshiya Hoshino, Ambassador, Deputy Permanent Representative of Japan to the United Nations

**Panelists:**

- Mr. Aliyu Abbati Abdulhameed - Managing Director, Nigeria Incentive-Based Risk Sharing System for Agricultural Lending (NIRSAL)
- Ms. Alfa Demmellash - Co-founder and CEO, Rising Tide Capital
- Mr. William Doll - Founding Partner, Syneidesis
- Mr. Ashish Gadnis - Founder & CEO, BanQu
- Ms. Fan Gao - Senior Vice President and Overseas Compliance Director, CreditEase, China
- Ms. Pamela Jacobs - Executive Managing Director, Impact Investing - Envestnet, Inc
- Mr. Vincent Molinari - Co-Founder Liquid Markets Group; Co-Founder, Templum; Chair, Fifth Element Fund; Co-Founder, 5th Element Group
- Mr. Todd Morley - Founder & Chairman, G2 Investment Group, Co-founder, Y2X
- Ms. Janet C. Salazar - CEO & Co-founder, IMPACT Leadership 21
- Mr. Masaya Mori, Global Head of Rakuten Institute of Technology
- Mr. Masahiko Honma, Founder and General Partner, Incubate Fund
- Selected innovators

**15:00 – 16:00      Session 9: STI for access to affordable, reliable, sustainable and modern energy for all (SDG 7)**

*The session will discuss the status of existing knowledge and technology, and explore the potential for how science, technology and innovation can support the achievement of SDG 7 on universal access to modern energy services. The session will help identify good practices and policy recommendations, as well as challenges and needs, especially as they relate to international cooperation, innovation and capacity-building, with a view to facilitate the development, scaling up adoption and dissemination of relevant technologies for SDG 7.*

**Chair:** H.E. Mr. Juan Sandoval-Mendiolea, Ambassador, Deputy Permanent Representative of Mexico to the United Nations

**Innovation pitches**

- ATEC\* Biodigesters International, Ben Jeffreys
- Jiko Raha, Keneth Ndua
- Education for Sharing, Dina Buchbinder

**Moderator:** Ms. Agnes Kijazi, Director General, Tanzania Meteorological Agency, Tanzania

**Panelists**



- Mr. Nebojsa Nakicenovic, Deputy Director General and Deputy Chief Executive Officer, International Institute for Applied System Analysis (IIASA),
- Mr. Jim Watson, UK Energy Research Centre and University of Sussex, Director
- Mr. Daniel Cardinali, Novozymes, LA Business Development Manager, Brazil
- Mr. Jack Metthey, Deputy Director-General, Directorate-General for Research and Innovation of the European Commission

**16:00 – 17:00 Session 10: STI for inclusive, safe, resilient and sustainable cities and human settlements (SDG 11)**

*The session will discuss the status of existing knowledge and technology, and explore the potential for how science, technology and innovation can support the achievement of SDG 11 on sustainable cities and human settlements. The session will help identify good practices and policy recommendations, as well as challenges and needs, especially as they relate to international cooperation, innovation and capacity-building, with a view to facilitate the development, scaling up adoption and dissemination of relevant technologies for SDG 11.*

**Chair:** H.E. Mr. Juan Sandoval-Mendiolea, Ambassador, Deputy Permanent Representative of Mexico to the United Nations

**Moderator:** Mr. Vaughan Turekian, Senior Director at the National Academies of Sciences, Engineering, and Medicine

**Innovation pitches**

- Ocupa Tu Calle, Patricia Alata
- city Based Common Hospital Waste Treatment Facility, Santosh Poudel

**Panelists**

- Ms. María Victoria Sukenik, ICT Ministry, Advisor, SeTIC; Chair ITU Study Group 5 on Environment and circular economy; Vice-Chairman of U4SSC (United for Smart Sustainable Cities), Argentina
- Mr. Yunus Arikan, Head of Global Policy and Advocacy at ICLEI
- Mr. Kamal Bhattacharya, Chief Executive Officer Safaricom Innovation Hub, Kenya
- Mr. David Edwards, Professor at the School of Engineering and Applied Sciences at Harvard University

**17:00 – 17:45 Session 11: Conclusions and next steps**

**Innovation pitches – United Nations Innovation Network (UNIN)**

- Co-chairs in interactive dialogue with audience and 10 Member Group

**17:45 – 18:00 Session 12: Closing**

- H.E. Ms. Marie Chatardová, President of the Economic and Social Council