

Second Global Session of the UN Science Policy Business Forum on the Environment



FRIDAY 8 MARCH 2019	
Time	Session
10:00-13:00	Closed Consultations (by invitation only) - Data and Earth Observations - Sustainable Food Systems - Citizens Science - Green Startup Initiative
13:00 - 14:30	High Level Working Lunch (by invitation only)
16:00 - 17:30	High Level Briefing with the UN Environment Assembly Leadership (by invitation only)
18:00 - 20:00	High Level Welcome Dinner Hosted by the President of the Environment Assembly (by invitation only)

SATURDAY 9 MARCH 2019

08:00 - 09:00 Registration + Coffee							
Parallel Sessions							
Time Venue	Session	Time Venue	Extended Session Foundation for A Big Data Digital Platform for Our Planet	Time Venue	Session	Time Venue	Session
09:00-10:00 Conference Room 11	ENERGY SYSTEMS : Environmental and Health Impacts Messages from GEO-6 Session 1 On GEO Findings Paolo Soprano, co-chair High-level Group Prof. Huang Yi, co-chair High-level Group Prof. Paul Ekins, co-chair of the GEO assessment Prof. Joyeeta Gupta, co-chair of the GEO assessment Abdalah Mokssit, Secretary, IPCC On Environment and Health Impacts of Energy Systems Dr. Pavel Kabat, Chief Scientist, World Meteorological Organization Dr. N.H. Ravindranath, vice-chair of the Scientific Advisory Panel, IPCC Dr. Oswaldo Lucon, GEO-6 energy and decarbonization author	09:30 - 10:55 VIP Delegates Lounge	Big Data , New Frontiers - Part 1 Where We are and Where We Want to Be Introduction 10 minutes UN Environment Situation Room: Where it all started Pascal Peduzzi, Director, Global Resource Information Database Neil Burgess, Chief Scientist, UNEP WCMC Pierre Lacroix, UNEP GRID Geneva Stuart Minchin, Chief Environmental, GEO Science, Australia Adam Smith, Co-Founder/Business and Sales Head, Descartes Labs - 45 minutes Earth Observations: The Potential to Better Understand Earth and its Environment Maurice Borgeaud, Head of Earth Observations, Science, Applications and Climate, European Space Agency - 20 minutes Open Floor 10 minutes	09:00 - 10:00 Conference Room 13	Session Organized by the Belmont Forum Advancing the African Science Enterprise: Investment in Research in Africa Session 10 Phethiwe Matutu, NRF South Africa Erica Key, Belmont Forum Makiba Charles-Ayinde, American Association for the Advancement of Science Nelson Torto, Executive Director, African Academy of Sciences	9:00-10:00 Press Room	Combating Lead : From Paint to Batteries, how new policies and technologies are helping tackle a dangerous toxicant Session 16 Uemit Hancer, Director, BASF Chemicals (tbc) Brian Wilson, International Lead Association Jacqueline Alvarez, UN Environment Programme Tadesse Amara, Co-Chair, IPEN
10:00-11:00 Conference Room 11	WASTE SYSTEMS : Environmental and Health Impacts Messages from GEO-6 Session 2 Martin Brocklehurst, Citizen Science Global Partnership Serge Salat, President, Urban Morphology and Complex Systems Institute Cristina Guerreiro, Research Director Environmental Impacts and Sustainability, Norwegian Institute for Air Research			10:00-11:00 Conference Room 13	Session by the World Conservation Monitoring Centre (WCMC) Making Trade a Positive Force in the World Session 11 Izabella Teixeira, Co-Chair, International Resources Panel Helen Crowley, Head of Sustainable Sourcing Innovation, Kering UK Government (TBC) Government of Ethiopia	10:00-11:00 Press Room	Attaining Clean, Affordable Energy in Africa: Role of South-South Cooperation Session 17 Keriako Tobiko, Cabinet Secretary, Ministry of Environment and Forestry, Kenya Dr. Huang Han, Global Energy Interconnection Development and Cooperation Organization (GEIDCO) Isaiah Owuniji, Regional Lead - Energy, WWF Mohua Mukherjee, Energy and Climate Finance Expert, International Solar Alliance Mugo Kibati, Chairman, Lake Turkana Wind Power Ltd

11:00 - 13:00 Conference Room 1

Official Opening of the Second Global Session of the UN Science Policy Business Forum on the Environment

13:00 - 14:00 Lunch							
14:00 - 15:00 Conference Room 1	Special Session and Demo Hosted by IBM Fast Tracking the SDGs Using Frontier Technologies			Presented by: Hendrik Hamann, Planetary Data Systems, IBM Bruno da Costa Flach, Big Data, IoT, Artificial Intelligence, IBM Ajay Deshpande, Master Inventor, Blockchain Technologies, IBM Jehiel Oliver, CEO, Hello Tractor, Nigeria - Startup Partner			

Parallel Sessions							
Time Venue	Session	Time Venue	Extended Session Foundation for A Big Data Digital Platform for Our Planet	Time Venue	Session	Time Venue	Session
15:00-15:45 Conference Room 11	EXTENDED SESSION HOSTED BY THOMSON REUTERS: PART 1 Session 4 The Climate Challenge and non-State Actors: Understanding the Challenge H.E. Xie Zhenhua, Special Rep. for Climate Change, China Timothy Nixon, Chief Sustainability, Thomson Reuters Carlo Papa, Director, Enel Foundation Maurice Borgeaud, Head of Department, European Space Agency Anne Bowser, President, Citizen Science Alliance	15:10 - 16:35 Conference Room 1	Big Data, New Frontiers - Part 2 The Space Climate Observatory (SCO) : Observing Climate Change and its Impacts – Creating the Model Project Dr. Selma Cherchali, Programme Director, Space Climate Observatory - 20 minutes China's New Technological Frontiers in Planetary Data Management Professor Chen Fang, Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences - 20 minutes	15:00-15:45 Conference Room 13	Session Hosted by Phillips / Signify Innovation in the Energy Sector and the Future of Sustainability Session 12 H.E. Siim Kiisler, President of the UN Environment Assembly Harry Verhaar, Head of Global Public & Government Affairs, Signify - Philips Lighting Kristina Klimovich, LEED® GA, PACENation Fellow Jonathan R. Everhart, CEO, Global ReEnergy Holdings Paul De Larminat, Director of Advanced Technologies, Johnson Controls	15:00 - 15:45 Press Room	FOOD SYSTEMS : Environmental and Health Impacts Messages from GEO-6 Session 18 Brett Rierson, World Food Programme Andrés Guhl, Universidad de los Andes , Colombia Lorenzo Giovanni, Senior Economist, FAO
15:55-16:40 Conference Room 11	EXTENDED SESSION HOSTED BY THOMSON REUTERS: PART 2 Session 5 The Climate Challenge and non-State Actors: The Way Forward Jian Liu, Director of Science, UN Environment Programme Ruth Kagia, Senior Advisor to H.E. the President of Kenya Rhian-Mari Thomas, Global Head of Green Banking and Chair, Barclays Green Banking Council Paul H. Jefferies, Head of Policy, BP Gayle Schueller, Chief Sustainability Officer, 3M	16:35 - 18:25	Earth Observations and the SDGs – Horizon 2020 Jean Dusart, Scientific Project Officer, European Commission - 20 minutes Open Floor - 15 minutes Coffee Break - 10 minutes Transforming Development with Planetary Data and Artificial Intelligence Andrew Zolli, VP Global Impact Initiatives, Planet.com - 20 minutes	15:55-16:40 Conference Room 13	Session Hosted by Climate and Clean Air Coalition (CCAC) The Power of Integrated Action on Air Pollution: Stories from China and Africa - South-South Cooperation Session 13 Gyimah Mohammed, Ministry of Environment, Ghana Bala Bappa, Federal Ministry of Environment, Nigeria Nathan Borgford - Parnell, Climate and Clean Air Coalition Yu Jianhua, Deputy Director General, Beijing Municipal Environment Bureau Steven Kukoda, Executive Director, International Copper Association	15:55-16:40 Press Room	Session Hosted by IFA and UN Environment Programme Healthy Food for a Sustainable Planet - Part 1 Session 19 Dr. Lilian Wanjiru Mbutia, Senior Agronomist, ICL Group and Project Coordinator of International Potash Institute Robert Hunter, Executive Vice-President Crop Protection, CropLife International Dr. Abdelbagi Ismail, IRRRI regional representative Izabella Teixeira, Co-Chair, International Resource Panel and former Minister of Environment, Brazil Moderator: Yvonne Harz-Pitre, Director, Comms and Public Affairs, International Fertilizer Association (IFA)
16:50-17:35 Conference Room 11	Towards Global Green Energy Transition : Empowering Policies and Innovative Finance Session 6 Dr. Huang Han, Global Energy Interconnection Development and Cooperation Organization (GEIDCO) Luming Ai, Chairman, Society of Entrepreneurs for Ecology (SEE Foundation) Harry Verhaar, Head of Global Public & Government Affairs, Signify - Philips Lighting Paulo Cesar Vaz Esmeraldo, Deputy CEO of State Grid Brazil Holding Ambassador Marta Juarez, Costa Rica Qingle Huang, Vice Chairman, Shouhang Energy Saving		Earth Observations: The Role of Citizen Science Anne Bowser, Director of Innovation, The Wilson Centre/ Representative, Citizen Science Global Partnership - 20 minutes Open Floor - 15 minutes Diversified Finance for Development - What's for Free and What is Not James Donovan, CEO, ADEC Innovations Andrew Zolli, VP Global Impact Initiatives, Planet.com Rhian-Mari, Chair, Barclays Green Banking Council - 45 minutes	16:50-17:35 Conference Room 13	Accelerating Africa's Shift to Electric Mobility Session 14 Wanjiku Manyara, Petroleum Institute of East Africa Joshua Whale, CEO, Ampersand Electric Motorcycles, Rwanda Peter Kaigwara, Energy Regulatory Committee, Kenya Jane Akumu, UN Environment Programme	16:50-17:35 Press Room	Extended Session by the International Resource Panel (IRP) - PART 1 Session 20 Launch of Global Resources Outlook 2019: Implications for Business Leaders Izabella Teixeira, Co-Chair, IRP Bruno Oberle, Lead Author, Global Resources Outlook Janez Potočnik, Co-Chair, IRP
17:45-18:30 Conference Room 11	Advancing Environmental Rights in Business Session 7 Arnold Kreilhuber, Law Division, UN Environment Programme Carlo Papa, Director, Enel Foundation UN Office of Human Rights		Open Floor - 10 minutes	17:45-18:30 Conference Room 13	Session Hosted by Climate and Clean Air Coalition (CCAC): Putting the World on a Safe Path to Meet the 1.5°C Challenge Session 15 Johan Kuylenstierna, Policy Director, Stockholm Environment Institute Pavel Kabat, Chief Scientist, WMO Helena Molin Valdes, Head of Secretariat, CCAC Luke Davey, Head of Business Operations, Inspira Farms Rodolfo Lacy, Director of Environment, OECD	17:45-18:30 Press Room	Extended Session by the International Resource Panel (IRP) - PART 2 Session 21 Global Resources Outlook 2019: Business Perspective Stefanie Hellweg, Professor, Swiss Federal Institute of Technology (ETH) Matteo Cavadini, Senior Business Developer-East Africa, Enel Harry Verhaar, Head of Global Public and Government Affairs, Signify - Philips Lighting Agus Justianto, Republic of Indonesia

19:00 - Reception (by invitation only)

Work Streams

- Science Shaping Green Policies and Market Responses
- Big Data: Towards a Digital Platform for Our Planet
- Smarter, Greener Solutions for Cities
- Green Technology Startup Initiative
- Climate Challenge: Finance, Markets and Non-State Actors
- Sustainable Food for a Healthy Planet

Parallel Sessions							
Time Venue	Session	Time Venue	Extended Session Foundation for A Big Data Digital Platform for Our Planet	Time Venue	Session	Time Venue	Session
09:00-9:45 Conference Room 11 Session 22	Green Collar Jobs: A Bright Hope for the Planet? Carlo Papa, Director, Enel Foundation Professor Jiang Wu, Vice Chancellor, Tongji University (TBC) Bert der Wel, Head of Climate Policy, International Trade Union Confederation Charlotte Bonner, Sustainability Innovation Manager, National Union of Students, UK	09:00 - 09:45 Conference Room 1 Session 26	Foresight, Early Warning for Decision-making Abdu Muwonge, Urban Specialist, World Bank Thea Carroll, Coordinator, CITES MIKE Secretariat Charles Sebukeera, Regional Office for Africa, UN Environment Programme Margaret Nthuli, Digital Transformation, ESRI Africa Derek Gliddon, Acting Director for Research and Innovation, Environmental Agency of Abu Dhabi	09:00-9:45 VIP Delegates Lounge Session 30	Sustainable Water and Waste Management in Developing Cities Prof. Jiuhui Qu, Chinese/American Academy of Engineering Veerle Vandeweerd, Founder, GSTIC Prof. Ludo Diels, Research Lead, VITO Prof. Tom Ogado, ED ACTS Nahashon Muguna, Director, Nairobi Water and Sewerage Co.	9:00-9:45 Press Room Session 35	The Belmont Forum and Future Earth: Sustainability Research and Innovation 2020 Erica Key, Belmont Forum Josh Tewksbury, Future Earth Makiba Charles-Ayinde, American Association for the Advancement of Science
9:55 to 11:05 Conference Room 1 Session 40			GreenTech Startup Marathon Special Session Hosted by H.E. The President of the UN Environment Assembly		Moderated by: Reuters Editor-at-Large Axel Threlfall		

Parallel Sessions							
Time Venue	Session	Time Venue	Extended Session Foundation for A Big Data Digital Platform for Our Planet	Time Venue	Session	Time Venue	Session
11:10 - 11:55 Conference Room 11 Session 23	Development of Sustainable Water Infrastructure Polite Laboyrie, President, Central Dredging Association (CEDA) Arjan Hijdra, Director, Global Infrastructure Institute Remment Ter Hofstede, Van Oord Dredging and Marine Contractors Geert van Cappelle, Secretary General, World Association for Waterborne Transport Infrastructure (PIANC)	11:10 - 11:55 Conference Room 1 Session 27	Innovative Technologies and Approaches in Monitoring the SDGs Gilberto Camara, Director, Group on Earth Observations Brian Sullivan, Team Leader, Google Earth Engine Philip Thigo, Office of the Deputy President, Kenya Jillian Campbell, UN Environment Programme Steffen Fritz, Earth Observations and Citizen Science Leader, International Institute for Applied Systems Analysis	11:10 - 11:55 VIP Delegates Lounge Session 31	Avoiding Global Warming through Clean and Efficient Cooling Innovations H.E. Upendra Tripathy, Director General, International Solar Alliance Juliet Kabera, Director General, Environment & Climate Change, Ministry of Environment, Rwanda Gilles Vermont Desroches, Sustainability Director, Schneider Electric Bertrand Swiderski, Director of Sustainability, Carrefour Group Anna Dyson, Director, Yale Centre for Ecosystems in Architecture	11:10 - 11:55 Press Room Session 36	Session Hosted by International Resource Panel: New Hotspot Analysis Tools for Decision Making on Sustainable Consumption and Production Janez Potočnik, Co-Chair, International Resource Panel Stefanie Hellweg, Professor, Swiss Federal Institute of Technology (ETH) Mei-Ling Park, UN Environment Programme
12:05 - 13:05 Conference Room 11 Session 24	Alternatives to Plastics: Current Challenges and Future Vision Geoffrey Wahungu, Director General, National Environment Management Authority (NEMA), Kenya Lilian Magak, Kenya Commercial Forestry Programme Yoshiki Takeoka, General Manager, Kaneka Mr. Albert Nyagechi, Manager of Chemical Standard, Kenya Bureau of Standard Mrs. Shollay Ramlaul, Head of Sales & Business Development East Africa, BASF East Africa	12:20 - 13:05 Conference Room 1 Session 28	Monitoring Ambient Water and Air Quality : Launch of GEMStat Data Interface Hartwig Kremer, Head of Global Environment Monitoring, UN Environment Programme Philip Saile, Head of GEMS Data Centre, Federal Institute of Hydrology, Germany Dylan Blake, Geologist, UMOVOTO Africa Nathan Pavlovic, Lead Geospatial Data Scientist, Sonoma Technologies Miguel Escribano, Business Development Manager, Kunak Stephanie Holzwarth, Urban Mobility Unit, UN Habitat	12:05 - 13:05 VIP Delegates Lounge Session 32	The Race to a Clean Energy Future Steven Kukoda, Executive Director, International Copper Association Carlo Papa, Director, Enel Foundation Paolo Falcioni, Director General, APPLiA Peter Goetz, VP BSH Hausgerate GmbH Akiko Seyoum, CEO Orchid Group	12:05 - 12:50 Press Room Session 37	Session Hosted by IFA and UN Environment Programme: Healthy Food for a Sustainable Planet - Part 2: Diets to Mitigate Climate Change Prof. Linxiu Zhang, World Academy of Sciences for Development Stineke Oenema, Coordinator, UN Standing Committee on Nutrition Bertrand Swiderski, Director of Sustainability, Carrefour Group Moderator: Natascha Kooiman, CEO, Smackmaakers and co-lead of Food Transition Coalition

13:10 - 14:10 Lunch

Parallel Sessions							
Time Venue	Session	Time Venue	Extended Session Foundation for A Big Data Digital Platform for Our Planet	Time Venue	Session	Time Venue	Session
14:15 - 15:15 Conference Room 11 Session 25	Third Pole: A Call for Action to Combat Climate Impacts in Fragile Ecosystems Prof. Tandong Yao, Institute of Tibetan Plateau Research, Chinese Academy of Sciences Dagfinnur Sveinbjornsson, CEO, Arctic Circle Jan Dusik, Head of Arctic Programme, UN Environment Programme Alejandro Argumedo, Director, Association ANDES Matthias Finger, European University Institute Xi Chen, Vice President, Xinjiang Branch - Chinese Academy of Sciences Arnico Kumar Panday, The International Centre for Integrated Mountain Development (ICIMOD) Fahu Chen, Director, Institute of Tibetan Plateau Research, Chinese Academy of Sciences	14:15 - 15:00 Conference Room 8 Session 29	Conclusions and final Remarks : Big Data on the Environment Working Group's Founding Members - Closed Session	14:15 - 15:00 VIP Delegates Lounge Session 33	Session Hosted by CCAC: Towards Integrated Action on Air Pollution and Climate Change Yasuo Takahashi, Vice Minister of Environment/Global Affairs, Japan Dechen Tsering, Regional Director Asia Pacific, UN Environment Programme Arnico Kumar Panday, The International Centre for Integrated Mountain Development (ICIMOD) Alice Kaudia, Climate and Clean Air Coalition	14:15-15:00 Press Room Session 38	Driving Transformative Innovation Through Sustainable Chemistry Achim Halpaap, Senior Advisor, UN Environment Programme Nzambi Matee, Founder, Gjenge Makers Ylann Schemm, Director, Elsevier Foundation Sascha Gabizon, Executive Director, Women Engage for Common Future (WECEF)
				15:10-15:55 VIP Delegates Lounge Session 34	Emerging Issues: Solving the Broken Nitrogen Cycle Mark Sutton, Project Director, Centre for Ecology and Hydrology Christopher Cox, UN Environment Programme James Mutegi, Deputy Director, International Plant Nutrition Institute Ramesh Rama Chandaran, Ministry of Environment, India	15:10-15:55 Press Room Session 39	Citizen Science for Smart and Sustainable Cities of the Future Astrid Schomaker, Director of Global Sustainable Development, EU Jean Dusart, European Commission Timothy Nixon, Chief Sustainability, Thomson Reuters Kathleen Rogers, President, Earth Day Network Jaume Piera, Marine Science Institute, Spain

16:00 - 17:00
Conference Room 1
Official Closing of the Second Global Session of the UN Science Policy Business Forum on the Environment

17:00 -18:00 Reception



- Work Streams**
- Science Shaping Green Policies and Market Responses
 - Big Data: Towards a Digital Platform for Our Planet
 - Smarter, Greener Solutions for Cities
 - Green Technology Startup Initiative
 - Climate Challenge: Finance, Markets and Non-State Actors
 - Sustainable Food for a Healthy Planet