



Thirteenth Meeting of the SBSTA Research Dialogue

01-02 June 2021

DAY 1, 01 JUN 2021

Theme 1: Climate system dynamics: New knowledge and its implications for decision making

All times shown in CEST

16:30-17:30	Virtual drop in Q&A with poster experts on theme 1 In the poster exhibition space	PLEASE NOTE: Posters will be available online throughout the session
17:30-19:30	Dialogue Part 1	SBSTA Chair and Co-Facilitators
17:30	Opening remarks	SBSTA Chair
17:35	The World Climate Research Programme: Future Climate Research	Mike Sparrow, WCRP
17:45	Science for Society: CORDEX	Daniela Jacob, WCRP
17:55	Navigating climate projections for decision making at regional and local level	Ted Shepherd, University of Reading, UK
18:05	Discussion	
18:25	New Climate and Adaptation Science and Implications for Decision Making	Cynthia Rosenzweig, WASP
18:35	Discussion	
18:45	Insights from recent mitigation pathways and related activities by the scientific community	Keywan Riahi, IIASA
18:55	Country-level experience of incorporating scientific information for decision making and needed future directions for science and scientific capacity building	Ajani Alleyne, Jamaica and Isaac Ryan-Glassie, Cook Islands, on behalf of AOSIS
19:05	Discussion	
19:25-19:30	Concluding remarks	Ladislaus Chang'a, Co-Facilitator



DAY 2, 02 JUN 2021

Theme 2: Resilience for and by nature: Building knowledge and understanding to weave the protection and restoration of nature into decision making on mitigation and adaptation

All times shown in CEST

16:30-17:30	Virtual drop in Q&A with poster experts on theme 2 In the poster exhibition space	PLEASE NOTE: Posters will be available online throughout the session
17:30-19:30	Dialogue Part 2	SBSTA Chair and Co-Facilitators
17:30	Opening remarks	Elizabeth Bush, Co-Facilitator
17:35	Current and projected relationships between climate change and biodiversity and system risks	Hans-Otto Pörtner, IPCC
17:45	Nature-based Solutions to climate change – relevance, scope, and future directions	Minna Epps, IUCN
17:55	Discussion	
18:10	Potential synergies between mitigation and adaptation for the land sink and how to evaluate opportunities and tradeoffs	Philippe Ciais, Institut Pierre-Simon Laplace (IPSL), France
18:25	Potential synergies between mitigation and adaptation for the ocean carbon sink and how to evaluate opportunities and tradeoffs	Minhan Dai, Xiamen University, China
18:40	Discussion	
19:00	Going beyond what works in climate: Science and data for decision making and being future-fit	Jyotsna Puri, IFAD
19:15	Discussion	
19:25-19:30	Concluding remarks	SBSTA Chair



POSTERS

Theme 1: Climate system dynamics: New knowledge and its implications for decision making

16:30, 01 June 2021	
1. Advances in estimating and tracking the remaining carbon budget	Joeri Rogelj, IIASA
2. Integrating impacts in mitigation pathway analysis reinforces need for ambitious climate action	Franziska Piontek, PIK, and Johannes Emmerling, CMCC
3. Balancing global sources and sinks under the Paris Agreement decreases overall feasibility concerns but requires faster mitigation early on	Bas van Ruijven and Elina Brutschin, IIASA, and Silvia Pianta, CMCC
4. Understanding the impact of methane on the climate and human systems	Nathan Borgford-Parnell and Drew Shindell, CCAC, UNEP Secretariat
5. Improved modelling of permafrost thaw strengthens case for more ambitious emission cuts to meet Paris targets	Pierre Friedlingstein, Sophie Hebden, Gustar Hugelius, Tatiana Ilyina, Ted Schuur, Merritt Turetsky, Future Earth
6. Findings from the Reduced Complexity Model Intercomparison Project	Junichi Tsutsui, Central Research Institute of Electric Power Industry, Japan
7. Climate Change Information for Risk Assessment and Decision Making	Erika Hayami, Japan Meteorological Agency (JMA), Aya Takatsuki and Atsushi Minami, Ministry of Education, Culture, Sports, Science and Technology-Japan (MEXT)
8. A framework for complex climate change risk assessment: How to increase clarity regarding the interactions that generate risk, including the role of adaptation and mitigation responses	Nicholas P. Simpson and Christopher H. Trisos, University of Cape Town, South Africa
9. Characterization of the Climate System, from past to the future for risk assessment	Maxx Dilley, Amir Delju and Ilaria Galo, WMO
10. Climate Services for Adaptation: Case studies	Veronica Grasso, Nakiete Msemu and Maxx Dilley, WMO GFCS



Theme 2: Resilience for and by nature: Building knowledge and understanding to weave the protection and restoration of nature into decision making on mitigation and adaptation

16:30, 02 June 2021	
1. Adjusting land mitigation pathways improves the assessment of global climate progress	Giacomo Grassi, Joint Research Centre of the European Commission
2. Land-based mitigation potentials within the agenda for sustainable development	Stefan Frank, Mykola Gusti, Petr Havlík, Pekka Lauri, Fulvio DiFulvio, Nicklas Forsell, Tomoko Hasegawa, Tamás Krisztin, Amanda Palazzo and Hugo Valin, IIASA
3. State and future of boreal forest natural climate solutions	Julia Pongratz, LMU Munich
4. Enhancing Climate Mitigation and Adaptation Co-Benefits with NOAA's Blue Carbon Inventory Project	Alec Shub and Lisa Vaughan, NOAA, Stephen Crooks, Silvestrum Climate Associates
5. Outcomes of nature-based solutions for biodiversity & ecosystem health	Isabel Key and Nathalie Seddon, University of Oxford, UK
6. Building knowledge to weave the protection and restoration of coastal Blue Carbon ecosystems into decision making on mitigation and adaptation to climate change	Elisabetta Bonotto and Kirsten Isensee, IOC-UNESCO
7. Vida Manglar: Scientific and traditional mangrove knowledge in practice	Paula Cristina Sierra-Correa, Invemar
8. The use of environmental services information by social forestry communities and forest management units to support improved forest management in Aceh, Indonesia	Jay H. Samek, Global Observatory for Ecosystem Services, Michigan State University, USA
9. Local perception as scientific evidence for managing blue carbon ecosystems for climate mitigation and adaptation	Ryo Kohsaka, Graduate School of Environmental Studies, Nagoya University, Japan
10. Overview and perspectives of Nature-based Solutions in climate and biodiversity governance	Nan Zeng and Li Huo, The Nature Conservancy (TNC), Qihui Gao, Yuanyuan Qin, and Xiang Gao, National Center for Climate Change Strategy, and International Cooperation (NCSC)