

Tenth Meeting of the SBSTA Research Dialogue (RD 10)
SBSTA 48 - Thursday 3 May 2018

13:45-15:45	Poster Session (WCCB Foyer)
	Experts will be available with their posters to answer questions (see below for poster list)
16:00-19:00	Dialogue chaired by Paul Watkinson, SBSTA Chair (room: Santiago de Chile)

AGENDA

16:00	Opening
	SBSTA Chair
16:10	Keynote presentations
	World Climate Research Programme: Science for Understanding, Science for Impact Amanda Lynch, World Climate Research Programme (WCRP) & Chris Lennard, WCRP/CORDEX-Africa
16:30	Outcomes of the Cities and Climate Change Science Conference (citiesIPCC) Shobhakar Dhakal, Co-Chair, Scientific Steering Committee of citiesIPCC Conference Renewable energy, economics & co-benefits Shobhakar Dhakal, Asian Institute of Technology
16:50	Panel discussion: Science for understanding - update on research and modelling on human settlements, oceans and land and their importance for the implementation of the Paris Agreement
	Understanding the contemporary global carbon balance and its implications for monitoring emissions Corinne Le Quere, Global Carbon Project Implementing the Paris Agreement: the role of human settlements Nicola Tollin, University of Southern Denmark The IOC ocean science contribution to the climate change science agenda Salvatore Arico, Intergovernmental Oceanographic Commission of UNESCO (UNESCO-IOC) Importance of terrestrial ecosystems for the implementation of the Paris Agreement Sakhile Koketso, Convention on Biological Diversity (CBD) Messages of Changing Arctic Tero Mustonen, Snowchange Cooperative Impacts of climate change on extreme weather, food and water resources at 1.5C and 2C Richard Betts, UK Hadley Centre
17:55	Panel discussion: Science for action - strengthening the link between the research community and action to meet the goals of the Paris Agreement
	Communicating Climate Change Science through Dialogue: Good practices in Japan Seita Emori, Japan The Caribbean Regional Climate Science Initiative: Value Added and Lessons Learnt Kimberly Ann Stephenson, University of the West Indies Climate research for development in Africa Chris Lennard, CORDEX-Africa Closing the Gap: Capacity Development and Communicating Science Andrew Matthews, Asia-Pacific Network for Global Change Research (APN) Science-policy action in South America: the hotspot of the Southwestern Atlantic Ocean Omar Defeo, Inter-American Institute for Global Change Research (IAI) and Universidad de la Republica de Uruguay & Direccion Nacional de Recursos Acuaticos
18:55	Close
	Closing remarks SBSTA Chair

POSTERS

Theme 1: Science for understanding - update on research and modelling on human settlements, oceans and land and their importance for the implementation of the Paris Agreement
Global
The Global Carbon Budget 2017 Corinne Le Quere, Global Carbon Project
Impacts of climate change on extreme weather, food and water resources at 1.5C and 2C Richard Betts, UK Hadley centre
Human Settlements
Urban Climate Information for Decision Making in Cities: Local to Global Decisions and Policies Helen Cleugh and Boram Lee, WCRP
Knowledge gaps for urban climate action Nicola Tollin, University of Southern Denmark
Oceans
Special Report on the Ocean and Cryosphere in a Changing Climate (SROCC); Ocean Acidification: The Other Carbon Dioxide Problem; Global Synthesis of the Response of Marine Taxa to Ocean Acidification Hans Pörtner, IPCC Co-Chair WGII and Katja Mintenbeck, IPCC WGII Technical Support Unit (TSU)
The IOC ocean science contribution to the climate change science agenda Salvatore Arico, UNESCO-IOC
Terrestrial
Importance of terrestrial ecosystems for the implementation of the Paris Agreement Sakhile Koketso, Convention on Biological Diversity (CBD)
Saami Climate Knowledge from Utsjoki Tero Mustonen, Snowchange Cooperative
Land Degradation Neutrality (LDN): A Framework for Maintaining Ecosystems and Human Well-being under a Changing Climate Sasha Alexander & Barron Joseph Orr, United Nations Convention to Combat Desertification (UNCCD)
Five reasons stopping mangrove deforestation makes a whole lot of sense for climate change mitigation in Indonesia; Carbon burial and land building in low-laying tropical coastal wetlands Christopher Martius, Center for International Forestry Research (CIFOR)
Human exposure in the coastal zone Joachim Post, German Aerospace Center
Theme 2: Science for action - strengthening the link between the research community and action to meet the goals of the Paris Agreement
Global level
The Future of Climate Research Boram Lee, WCRP Joint Scientific Committee
Best Practices for Science Communication: An Early Career Research Perspective Fiona Tummon, YESS Community, Young Hydrologic Society and Association of Polar Early Career Scientists

Cataloguing high impact events;

Key findings in the WMO Statement on the State of the Global Climate in 2017

Omar Baddour, World Meteorological Organization (WMO)

How can you contribute to advancing work on loss and damage?

Executive Committee of the Warsaw International Mechanism for Loss and Damage

Transforming Knowledge for Climate Action

Kaela Slavik, Future Earth

The IPCC's work on communications

Marion Ferrat, IPCC Working Group III Technical Support Unit

Mitigation scenarios relevant for policymaking: IPCC Working Group III approach in the Sixth Assessment Cycle

Marion Ferrat, Jim Skea, IPCC Working Group III Technical Support Unit

Office for Climate Education – An international initiative on Climate Change Education

Pierre Léna, David Wilgenbus, Lydie Lescarmontier, Office for Climate Education

The importance of 2030 action for reaching the Paris climate goals

Elmar Krieglar, Potsdam Institute for Climate Impact Research

Changes in the occurrence of extreme events at different levels of global warming

Katja Frieler, The Inter-Sectoral Impact Model Intercomparison Project (ISIMIP)

International model cooperation: Insights on moving from current policies and NDCs to 2°C and 1.5°C

Detlef van Vuuren, Heleen van Soest, PBL Netherlands

The sea level legacy of delayed mitigation action

Carl-Friedrich Schleussner, Climate Analytics

Key Climate Change Indicators from the Ocean; 2017 Update

Ms Anny Cazennave, WMO

Essential Climate Variables for addressing the Paris Agreement

Cat Downy, European Space Agency / Committee on Earth Observation Satellites

GEO Work Programme and the Paris Agreement

André Obregon, Steven Ramage, Group on Earth Observation (GEO)

Sustained Observations to support the Paris Agreement

Carolin Richter, Global Climate Observing System (GCOS)

Regional and national level

Lima Adaptation Knowledge Initiative: Closing climate change adaptation knowledge gaps

Barny Dickson, UN Environment / UNFCCC Secretariat

Climate scenario data for NAPs

Claas Teichmann, Climate Service Center Germany (GERICS)

The WCRP Coordinated Regional Climate Downscaling Experiments (CORDEX)

The CORDEX-Africa Impacts Atlas

Chris Lennard, WCRP

Communicating Climate Change Information through Climate Risk Narratives

Chris Lennard, C. Jack, University of Cape Town (FRACTAL)

The Caribbean Regional Climate Science Initiative

Kimberly Stephenson, University of the West Indies

Recent progress of Japan's regional downscaling project (SI-CAT) and CORDEX Asia Empirical-Statistical Downscaling (ESD)

Koji Dairaku, Japan

Making regional climate scenarios to assess the impact of climate change in Southeast Asian countries - Climate change projection using Non-Hydrostatic Regional Climate Model (NHRCM)

Toshinori Aoyagi, Japan

Local knowledge networks and climate change adaptation in coastal communities

Jeremy Pittman, IAI & University of Waterloo, Canada

Assessing climate-related risks for adaptation planning in West Africa: A science-based service implemented at the West African Science Service Center for Climate Change and Adapted Land Use (WASCAL)

Yvonne Walz, United Nations University Institute for Environment and Human Security (UNU-EHS)

Theme 3: Renewable energy economics and co-benefits

Co-benefits of Climate Change Mitigation: Building New Alliances – Seizing Opportunities – Raising Climate Ambitions in the New Energy World of Renewables

Laura Nagel, Future Earth

Broad Benefits of Energy Transition towards 2050

Toshiaki Nagata, International Renewable Energy Agency (IRENA)

Health co-benefits from air pollution and mitigation costs of the Paris Agreement

María José Sanz, Basque Centre for Climate Change

The Potential, Viability and Co-benefits of Developing Wind Energy to Mitigate Climate Change in the Caribbean

Lawrence Pologne, Caribbean Institute for Meteorology and Hydrology (CIMH)

Theme 4: Global research on the carbon cycle, and its observation requirements, in support of the Paris Agreement

Support of the implementation of the Paris agreement: Role of the Integrated Global Greenhouse Gas Information System (IG3IS);

Climate change and air quality mitigations: why should we do it together

Phil de Cola, WMO

Integrated and coordinated in-situ carbon and greenhouse gas observations towards policy-relevant knowledge

Emmanuel Salmon, Integrated Carbon Observation System (ICOS)

Updates from the GEO Carbon and Greenhouse Gas Initiative

Hans Dolman, GEO

Observations to assess the regional carbon cycle: RECCAP-2

Corinne Le Quere, Philippe Ciais, Global Carbon Project

Advanced Determination of Sources and Sinks of Methane

Franziska Frank, German Aerospace Center