

**SBSTA 34 Workshop on research**  
**2 to 3 June 2011**  
**Hotel Derag Kanzler, Bonn, Germany**

**AGENDA**

<b>Thursday, 2 June 2011</b>	
08:00-09:00	<b>Registration</b>
<b>Opening and introduction</b>	
09:00-09:15	<p>Opening - Mama Konaté, Chair of the SBSTA</p> <p>Introduction and scope of the workshop - UNFCCC secretariat</p> <p>Introduction to the SBSTA research dialogue - UNFCCC secretariat</p>
<b>Setting the scene</b>	
09:15-09:45	<ul style="list-style-type: none"> <li>○ IPCC policy relevant information for supporting the UNFCCC process Jean-Pascal van Ypersele, Vice Chair, Intergovernmental Panel on Climate Change (IPCC)</li> <li>○ Communicating climate change science Renate Christ, Secretary, IPCC</li> </ul>
<b>Session 1 - Understanding the science: Recent climate change research findings, uncertainty management</b>	
Facilitator: Sergio Castellari, Italy	
09:45 - 12:15	<p><b>Observed impacts of climate change and the resulting impacts on society in the context of Article 2 of the Convention</b></p> <p><i>Global impacts</i></p> <ul style="list-style-type: none"> <li>○ Recent results on cryospheric research and highlights resulting from the assessment of the impacts of climate change on Snow, Water, Ice and Permafrost in the Arctic (SWIPA), including sea ice retreat and global impacts; permafrost melt and methane release Walt Meier and Lars-Otto Reiersen, Arctic Monitoring and Assessment Programme (AMAP) of the Arctic Council</li> <li>○ Highlights of International Polar Year (IPY) Results: Ice Changes in Antarctica, the Himalayas and Other Mountain Glacier Regions Georg Kaser, International Association of Cryospheric Sciences (IACS)</li> <li>○ Ocean acidification: recent results from the EPOCA project Carol Turley, on behalf of 7<sup>th</sup> Framework Programme of the European Union (FP7)</li> </ul> <p><i>Regional impacts</i></p> <ul style="list-style-type: none"> <li>○ Land-use changes in South America and their impact on regional climate: The role of biophysical mechanisms Esteban Jobbagy, on behalf of the Inter-American Institute for Global Change Research (IAI)</li> </ul>

	<ul style="list-style-type: none"> <li>○ Impacts of climate change on farming systems and food production and security, particularly in developing countries Bruce Campbell, on behalf of the Earth System Science Partnership (ESSP)</li> <li>○ ClimAfrica - Climate change predictions in Sub-Saharan Africa: impacts and adaptation Ricardo Valentini/Antonio Bombelli, on behalf of FP7</li> </ul> <p style="text-align: center;"><i>Coffee break</i></p> <p><i>Socio-economic impacts</i></p> <ul style="list-style-type: none"> <li>○ Public health benefits of strategies to reduce greenhouse gas emissions Andy Haines, on behalf of ESSP</li> <li>○ Socio-economic aspects of ocean acidification Carol Turley, on behalf of FP7; Phil Williamson on behalf of the International Geosphere-Biosphere Programme (IGBP)</li> <li>○ State of the Arctic coasts: Main outcomes of the 2010 report Lars-Otto Reiersen, AMAP</li> </ul>
12:15-13:00	<p><b>Q&amp;A and discussion</b></p> <p>Possible topics to be addressed in the discussion:</p> <ul style="list-style-type: none"> <li>○ Observed impacts and their relationship to dangerous anthropogenic interference with the climate system</li> <li>○ Key vulnerabilities and how to make the value judgment regarding the adequacy of the long term global goal in the light of the ultimate objective of the Convention</li> </ul>
13:00-14:30	<p><i>Lunch break</i></p>
14:30-15:15	<p><b>Information on studies regarding the temperature stabilization scenarios (including 1.5 °C above pre-industrial levels) and associated emission trajectories and responses of carbon sources and sinks, in particular in relation to the new approach taken by the IPCC for scenario development</b></p> <ul style="list-style-type: none"> <li>○ Scenario development for AR5 and scenarios for stabilization at low greenhouse gas concentration and temperature Detlef van Vuuren, Netherlands Environmental Assessment Agency PBL</li> <li>○ New findings emerging from CMIP5 long-term projection experiments using the Earth Simulator Hiroki Kondo, Japan</li> <li>○ Cumulative carbon targets and associated probabilities of limiting average temperature increase to below 2°C above pre-industrial levels, including required mitigation rates Myles Allen, University of Oxford</li> <li>○ The response of the carbon sinks to recent climate change, and current and expected emissions in the short term from fossil fuel burning and land use Corinne Le Quéré, on behalf of ESSP</li> </ul>

15:15-15:45	<p><b>Q&amp;A and discussion</b></p> <p>Possible topics to be addressed in the discussion:</p> <ul style="list-style-type: none"> <li>○ Emerging needs for policy-relevant research and scientific information to support developments under the UNFCCC</li> </ul> <p style="text-align: center;"><i>Coffee break</i></p>
15:55-16:15	<p><b>Research needs and priorities: views by Parties</b></p>
	<ul style="list-style-type: none"> <li>○ China's perspective on research needs and priorities to support the UNFCCC process and addressing the challenge of climate change at national level GAO Yun, China</li> <li>○ Climate policy research needs David Warrilow, United Kingdom</li> <li>○ Adaptation research needs and priorities in South Africa - towards addressing uncertainties Guy Midgley, South Africa</li> </ul>
16:15-16:45	<p><b>Emerging issues</b></p> <ul style="list-style-type: none"> <li>○ Recent science on non-CO<sub>2</sub> climate forcers: Main findings from UNEP/WMO Intergrated Assessment of Black Carbon and Tropospheric Ozone Lisa Emberson, SEI, on behalf of United Nations Environment Programme (UNEP)</li> <li>○ Ocean fertilization Phil Williamson on behalf of IGBP</li> <li>○ Social Sciences Contributions to Climate Change Research Deborah Rogers, International Human Dimensions Programme (IHDP), and Kari Marie Norgaard, Whitman College, on behalf of IHDP</li> </ul>
16:45-17:20	<p><b>Q&amp;A and discussion</b></p> <p>Possible topics to be addressed in the discussion:</p> <ul style="list-style-type: none"> <li>○ Priorities for policy-relevant scientific information in the light of recent findings on emerging issues</li> </ul>
17:20-18:30	<p><b>Discussion of elements emerging from Session 1</b></p>

Friday, 3 June 2011

**Session 2 - Communicating climate change science**

Facilitator: Owen Gaffney, IGBP

09:00-09:15	<ul style="list-style-type: none"><li>○ Feedback on most relevant communication issues (all)</li></ul>
09:15-10:30	<p><b>Good practices and lessons learnt in communicating climate change research results from the scientific community to the policymakers, including existing challenges</b></p> <ul style="list-style-type: none"><li>○ Promoting research and enhancing understanding of climate information through strengthening science-policy interface: examples from the Asia-Pacific Andrew Matthews, Asia-Pacific Network for Global Change Research (APN)</li><li>○ Experiences from START's science-policy dialogues at national and regional levels Jon Padgham, Global Change SysTem for Analysis, Research and Training (START)</li><li>○ PROVIA: Communicating scientific knowledge and needs for research on climate change adaptation Richard Klein, PROVIA</li><li>○ Regional climate information and services Daniela Jacob, on behalf of FP7</li><li>○ Enhancing the effectiveness of the research dialogue, and how existing challenges could be overcome Klaus Radunsky, European Union</li><li>○ Communicating climate change in the Kalahari, Botswana Julius Athlopheng, Botswana</li></ul> <p style="text-align: center;"><i>Coffee break</i></p>
10:30-11:30	<p><b>Q&amp;A and discussion</b></p> <p>Possible topics to be addressed in the discussion:</p> <ul style="list-style-type: none"><li>○ Lessons learnt in communicating science and overcoming challenges;</li><li>○ Further activities to share information, including through enhancing science-policy dialogue under the UNFCCC;</li><li>○ Identification of additional ways to communicate research outcomes and findings to Parties</li></ul>
11:30-12:00	<p><b>Discussion of elements emerging from Session 2</b></p>
12:00-13:30	<p><i>Lunch break</i></p>

<b>Session 3 - Building capacity for research in developing countries</b>	
Facilitator: Carlos Fuller, Belize	
13:30 - 14:30	<p><b>Collaboration with developing countries in climate change research - results, success stories, possibilities and needs</b></p> <ul style="list-style-type: none"> <li>○ Research-related capacity building needs in Mexico Rodolfo Godinez, Mexico</li> <li>○ Australia’s collaboration with and support of Pacific Island countries in relation to climate change research Perry Wiles, Australia</li> <li>○ Scientific capacity building efforts by the APN and funding provided for new global change regional-based research activities in developing countries in the Asia-Pacific region Andrew Matthews, APN</li> <li>○ Europe’s Regional Research Programem: funding opportunities for research actors from developing countries Susana Calsamiglia-Mendlewicz, on behalf of FP7</li> </ul>
14:30- 15:00	<p><b>Q&amp;A and discussion</b></p> <p>Possible topics to be addressed in the discussion:</p> <ul style="list-style-type: none"> <li>○ Enhancing opportunities for developing countries to present research results and related capacity building activities</li> </ul>
15:00- 16:00	<p><b>Discussion of elements emerging from Session 3</b></p>
	<i>Coffee break</i>
<b>Closing</b>	
16:30- 18:00	<p><b>Summary of main elements emerging from the workshop -</b> Mama Konaté, Chair of the SBSTA</p> <ul style="list-style-type: none"> <li>○ Sergio Castellari, Facilitator of session 1; Owen Gaffney, Facilitator of session 2; Carlos Fuller, Facilitator of session 3</li> </ul> <p>Closing remarks by the Chair of the SBSTA</p>