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Arctic Lunch Briefing

Arctic Climate Change: Mechanisms, Impacts and Predictability

24 April 2013

Brussels, Belgium

Hosted by Dan Jørgensen, MEP Danish Social Democrats

Scientific Presentations

Prof Jean-Claude Gascard, UMPC, France

Why is Arctic sea ice disappearing so rapidly?

Dr Lars Henrik Smedsrud, Bjerknes Centre, Norway

Arctic climate change: Local impacts of global significance

Dr Shuting Yang, DMI, Denmark

Remote impacts of Arctic climate change on Europe

Prof Thomas Jung, AWI, Germany

Advancing polar prediction capabilities

Science Briefing for Policy-Makers

Arctic climate change: Mechanisms, impacts and predictability

Hosted by Dan Jørgensen, MEP Danish Social Democrats

Wednesday 24 April 2013, 12:30 – 14:00 hours
Members' Salon ASP DG, European Parliament, Brussels

Programme

12:30 hrs	Welcome Dan Jørgensen, MEP and Prof Thomas Jung, co-chair of Arctic ECRA
12:40 hrs	Scientific Presentations Prof Jean-Claude Gascard, UMPC, France <i>Why is Arctic sea ice disappearing so rapidly?</i> Dr Lars Henrik Smedsrud, Bjerknes Centre, Norway <i>Arctic climate change: Local impacts of global significance</i> Dr Shuting Yang, DMI, Denmark <i>Remote impacts of Arctic climate change on Europe</i> Prof Thomas Jung, AWI, Germany <i>Advancing polar prediction capabilities</i>
13:30 hrs	Discussion

Host

Dan Jørgensen has been a member of the European Parliament since 2004. He is the Head Danish Socialist Delegation to the EP and the EAC spokesperson on climate change issues. He is Vice-Chairman of the Environment Committee. Aside from his parliamentary work, Dan Jørgensen also writes several books on the issues of international politics and environmental challenges. He has recently been giving classes in climate change politics at the Sciences Po University in Paris, Danish Institute for Study Abroad in Copenhagen and the University of Washington.

Presenters

Jean-Claude Gascard is Emeritus Senior Scientist from the Centre National de la Recherche Scientifique (CNRS) at the Université Pierre et Marie Curie in Paris. Dr Gascard started his polar oceanography in 1975 in the Labrador Sea for studying deep ocean convection. His interest concerns the interactions between subtropical and polar waters, the thermohaline circulation, air-sea interactions and the implications of the Arctic Ocean in climate variability and global changes. During the International Polar Year he coordinated the EU project Denoises: EU-US Search for Denoises project. He has contributed to a number of EU projects and is co-leading the EU ACCES project Arctic, Climate Change, Economy and Society. He is chairman of the Arctic Ocean Sciences Board (AOSB).

Lars Henrik Smedsrud is an expert in polar oceanography, and an associate professor Geophysical Institute at the University in Bergen, Smedsrud did his PhD in 2000 in oceanography on fractal ice formation and sediment entrainment in polar waters, and has extensively worked on projects related to sea ice formation in the Arctic and melting of ice in the Antarctic. Smedsrud has a wide field experience, has been cruise leader during the International Polar Year, participated in several international laboratory experiments, and worked with a lot of numerical models. Modelling activity includes modelling of the Arctic sea ice, sub-ice circulation under the Framed Ice Shelf in Antarctica, polynya dynamics in Greenland, and melt of sea ice in Global Earth System Models.

Shuting Yang is a senior scientist at the Danish Climate Centre, Danish Meteorological Institute (DMI). Dr Yang is an expert on atmospheric dynamics, climate modelling, prediction and policy. She started working on dynamics of atmospheric circulation regimes in early 1990s at Stockholm University, Sweden. Her research has mainly been on climate sensitivity and variability, predictability of climate regime behaviour, the influence of stratosphere and the Arctic. Dr Yang has experience in development of global climate models, and has been involved in developing European Earth System Model, EC-EARTH and its CMAPS simulations. She is workshop leader for the cyclople component in the current FP7 project COHERE (Comprehensive Modelling Earth System for Better Climate Prediction and Projection).

Thomas Jung is an expert in numerical weather prediction, climate dynamics, predictability, climate modelling. He is full professor for physics of the climate system and head of the Dynamics section at the Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research, Germany. From 2010 to 2012 he held posts as scientific and senior scientist in the department of the European Centre for Medium-Range Weather Forecasts (ECMWF), Reading. He obtained his doctorate in atmospheric physics at the Institute for Marine and Coastal Sciences, Prof Jung is chair of the Polar Prediction Project of the World Weather Research Programme, expert member of the 1930 EC Panel of Experts on Polar Observations, Polar Sciences (EC-PORS) and co-chair of Arctic ECRA.

Upcoming ECRA Events

11th ECRA- Executive Committee Meeting
(on invitation only)
9 March 2016, Brussels

Arctic ECRA Workshop
25-26 February 2016
Brussels, Belgium

Putting the Mountains on the Agenda of HORIZON 2020
(organized by CH-AT Initiative, and supported by ECRA)
25 April 2016
Brussels, Belgium

Joint Workshop of CP HIE and CP Hydrological Cycle
16 May 2016
Stockholm, Sweden

ECRA side event at ICRC-CORDEX 2016
17-20 May 2016
Stockholm, Sweden

All ECRA Events

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