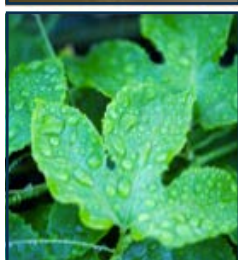




European Climate Research Alliance General Assembly 2015:

„New knowledge for risk reduction“

25-26 March 2015, Square Brussels Meeting Centre,
Coudenberg 3, 1000 Brussels



Climate Change is a key challenge for our society. The IPCC has highlighted some of the expected risks of climate change: decreasing Arctic sea ice, sea-level rise, increased extreme events and fundamental changes in the hydrological cycle.

European Climate Research needs to enhance collaboration and coordination of existing resources to effectively manage the risks and opportunities associated with climate change. The need for European Climate Research to inform society is further emphasized by the UN Climate Conference COP 21 in Paris, December 2015.

The European Climate Research Alliance (ECRA) is an association of leading European research institutions in climate research. ECRA aims to bring together, to expand and to optimise European expertise in climate research by sharing existing national research capacities and infrastructures. Furthermore, ECRA advises on scientific developments through a bottom-up process.

The ECRA General Assembly 2015 will present key challenges in climate research identified in ECRA's Collaborative Programmes. Future challenges posed by climate change will be discussed in the context of research priorities, providing a comprehensive and robust knowledge base for future mitigation and adaptation measures.

25th March 2015:

Participation and Collaboration in Climate Research

15:00-15:30 *Registration and Welcome Coffee*

15:30-15:45 **Welcome**

Karin Lochte (ECRA-Chair, AWI, Germany)

Presentation of ECRA and the Collaborative Programmes (CP)

15:45-16:10 **CP Arctic and Climate Change** (Thomas Jung, AWI, Germany)

16:10-16:35 **CP Hydrological Cycles** (Antonello Provenza, CNR, Italy)

16:35-17:00 **CP High Impact Events** (Peter Braesicke, KIT, Germany)

17:00-17:25 **CP Sea Level Change and Coastal Impacts** (Gianmaria Sannino, ENEA, Italy)

17:30-18:30 *Refreshments*

Evening discussion

Importance of collaboration in climate research to face societal challenges:

Pathways and models of collaboration

Keynote Statements

18:30-18:45 Karin Lochte (ECRA-Chair, AWI, Germany)

18:45-19:00 Kurt Vandenberghe (European Commission, DG Research and Innovation)

19:00-20:00 **Panel discussion** (Moderation: Ralf Ludwig, LMU, Munich):

- o Kurt Vandenberghe (European Commission, DG Research and Innovation)
- o Humberto Delgado Rosa (European Commission, DG Climate Action)
- o David Carlson (WCRP, WMO)
- o Karin Lochte (ECRA-Chair, AWI, Germany)
- o Martin Visbeck (Future Earth, GEOMAR, Germany)
- o Sanna Sorvari (JPI Climate, FMI, Finland)

20:00-20:15 **Final Statements (Panelists) and closing remarks (Moderation)**

20:15 *Reception*

26th March 2015:

ECRA - Collaborative Programmes (CPs)

8:30-9:00 *Registration and Welcome Coffee*

 **CP Arctic Climate Stability and Change (Moderation: Eystein Jansen, Bjerknes Centre, NO)**

9:00-9:15 Jeremy Wilkinson (BAS, UK)

Why is Arctic sea ice disappearing so rapidly?

9:15-9:30 Lars Smedsrud (UNIS/ Bjerknes Centre, Norway)

What are the local impacts of Arctic climate change?

9:30-9:45 Francisco Doblas-Reyes (ICREA/IC3/BSC, Spain)

What are the global impacts of Arctic climate change?

9:45-10:00 Ralf Döscher (SMHI, Sweden)

How can environmental prediction capabilities be advanced?

10:30-11:00 *Coffee Break*

 **CP Hydrological Cycles (Moderation: Antonello Provenza, CNR, Italy)**

11:00-11:15 Harald Kunstmann (KIT-IMK/IFU, Uni Augsburg, Germany)

Closure of the large scale water cycle: Performance and limitations of models and observations

11:15-11:30 Jens H. Christensen (DMI, Denmark)

Are we able to simulate the main observed processes and feedbacks?

11:30-11:45 Elisa Palazzi (ISAC-CNR, Italy)

Prediction of precipitation (uncertainties) under different climate change scenarios

11:45-12:00 Franz Prettenhaler (Joanneum Research, Austria):

Societal challenges (impacts of hydrological changes, risk assessment)

12:30-13:30 *Lunch*

 **CP High Impact Events (Moderation: Martin Drews, DTU, Denmark)**

13:30-13:45 Jana Sillmann (CICERO, Norway)

Observed and simulated temperature extremes during the recent warming hiatus

13:45-14:00 Romualdo Romero (UIB, Spain)

Learning for the future from the observation and modelling of Medicanes

14:00-14:15 Bart van den Hurk (KNMI, Netherlands)

Scenarios of future weather

14:15-14:30 Kirsten Halsnæs (DTU, Denmark)

Climate risks and adaptation

15:00-15:30 *Coffee Break*

 **CP Sea Level Change and Coastal Impacts (Moderation: Jan Even Øie Nilsen, NERSC, NO)**

15:30-15:45 Anny Cazenave (LEGOS, France)

Observation of global sea level changes

15:45-16:00 Damià Gomis (UIB, Spain)

Sea-Level Change in semi-enclosed basins. The case of the Mediterranean Sea.

16:00-16:15 Svetlana Jevrejeva (NOC, UK)

Uncertainties in global and regional sea level projections by 2100

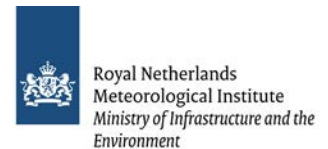
16:15-16:30 Saskia Werners (Wageningen UR, Netherlands)

Societal Challenges (impacts of Sea level changes for society, risk assessment)

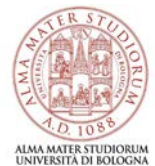
17:00 *End*

ECRA Members

Partner



Participants & Associates



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Climate Research in Europe**