

Square Brussels Meeting Centre  
Coudenberg 3  
1000 Brussels



## *European Climate Research Alliance General Assembly, 7-8 March 2017*

# Climate Change and Vulnerable Regions



*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 and advising through a bottom-up process.*

Climate change has large impacts on natural systems and habitats posing challenges for our societies. The Paris Agreement at the COP21 set an important framework for reducing human influence on climate through reduction of CO<sub>2</sub> emissions. At the same time, a robust knowledge about climate change and related impacts for vulnerable regions is of utmost importance for building resilience and implementing policy frameworks in effective ways.

We invite climate scientists, policy makers and representatives from relevant climate initiatives to the ECRA General Assembly 2017. This meeting will be a forum to discuss climate research priorities, most vulnerable regions and opportunities for adaptation strategies, improving collaboration in climate research, advancing integrated science and impact assessments.

**7 March 2017**

## **Collaboration in the European Climate Research Alliance (ECRA)**

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15:00-15:30 Registration and Welcome Coffee

15:30-15:45 **Opening Statement**

Karin Lochte (AWI, Director, DE, ECRA Chair)

15:45-17:45 **Overview of the ECRA Collaborative Programmes**

Sea Level Change and Coastal Impacts (Jan Even Ø. Nilsen, NERSC/BCCR, NO)

Changes in the Hydrological Cycle (Elisa Palazzi, CNR, IT)

High Impact Events and Climate Change (Martin Drews, DTU, DK)

Arctic Climate Stability and Change (Lars H. Smedsrud, University of Bergen/BCCR, NO)

17:45-18:30 Refreshments

### **Evening Discussion**

## **Climate Change and Vulnerable Regions**

### **Keynote statements**

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

18:45-19:00 Anneli Pauli (European Commission, DG Climate Action, Adviser hors classe (Innovation and Competitiveness))

19:00-20:00 **Panel discussion**

*Invited guests from the European Commission and European Research Organisations,  
Moderation: Ralf Ludwig (LMU, DE)*

- Christian Berretta (University of Leeds, water@leeds, member of EURO CITIES Water Working Group)
- Hans-Martin Füssel (European Environment Agency, Project Manager for Climate Impacts, Vulnerability and Adaptation)
- Katrine Krogh Andersen (Technical University of Denmark (DTU), Senior Vice President and Dean of Research, Member in ECRA)
- Kevin Noone (University of Stockholm, Professor of Chemical Meteorology, Transdisciplinary Advisory Board JPI Climate)
- Andrea Tilche (European Commission, DG RTD, Head of Unit Climate Action and Earth Observation)

20:15 Reception

# 8 March 2017

## Collaborative Programmes (CP) in ECRA

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*Presentations followed by an overall discussion at the end of each session*

08:30-09:00 Registration and Welcome Coffee

————— **CP Sea Level Change and Coastal Impacts** (Mod.: Gianmaria Sannino, ENEA, IT)

09:00-09:15 Aimee Slangen (NIOZ, NE)

**Regional sea-level projections**

09:15-09:30 Goneri Le Cozannet (French Geological Survey, FR)

**Impacts of sea-level rise on coastal erosion and flooding**

09:30-09:45 Robert Nicholls (University of Southampton, UK)

**Sea level rise impacts and adaptation in Europe**

09:45-10:00 Jochen Hinkel (Global Climate Forum, DE)

**Adaptation and societal view**

10:30-11:00 Coffee Break

————— **CP Changes in the Hydrological Cycle** (Mod.: Ralf Ludwig, LMU, DE)

11:00-11:15 Antonello Provenzale (CNR, IT)

**Geosphere-biosphere-hydrosphere interactions in the earth critical zone -  
Lessons from European Protected Areas**

11:15-11:30 Isabelle La Jeunesse (University of Tours, FR)

**What we need is a good drought! - Perspectives from NW-Europe**

11:30-11:45 Erika Coppola (ICTP, Trieste, IT)

**Climate change impact on the hydrological cycle for the Alpine region**

11:45-12:00 Ana Iglesias (UPM, Madrid, ES)

**Changes in environmental and agricultural risks in the Mediterranean**

12:30-13:30 Lunch

————— **CP High Impact Events and Climate Change** (Mod.: Peter Braesicke, KIT, DE)

13:30-13:45 Hilppa Gregow (FMI, FI)

**Extremes and their impacts on vulnerable sectors**

13:45-14:00 Susanna Mohr (KIT, DE)

**Has the hail potential over Europe changed and what are potential drivers?**

14:00-14:15 Marco Hoogvliet (Deltares, NE)

**Cities and their vulnerability to climate change**

14:15-14:30 Len Shaffrey (University of Reading, UK)

**Climate change and extratropical storms**

15:00-15:30 Coffee Break

————— **CP Arctic Climate Stability and Change** (Mod.: Lars H. Smedsrud, UiB/BCCR, NO)

15:30-15:45 Richard Bintanja (KNMI, NE)

**Observed Arctic sea ice loss and Arctic amplification**

15:45-16:00 Julienne Stroeve (UCL-CPOM, UK)

**Arctic sea ice loss and the response from CO<sub>2</sub>**

16:00-16:15 Ralf Döscher (SMHI, SE)

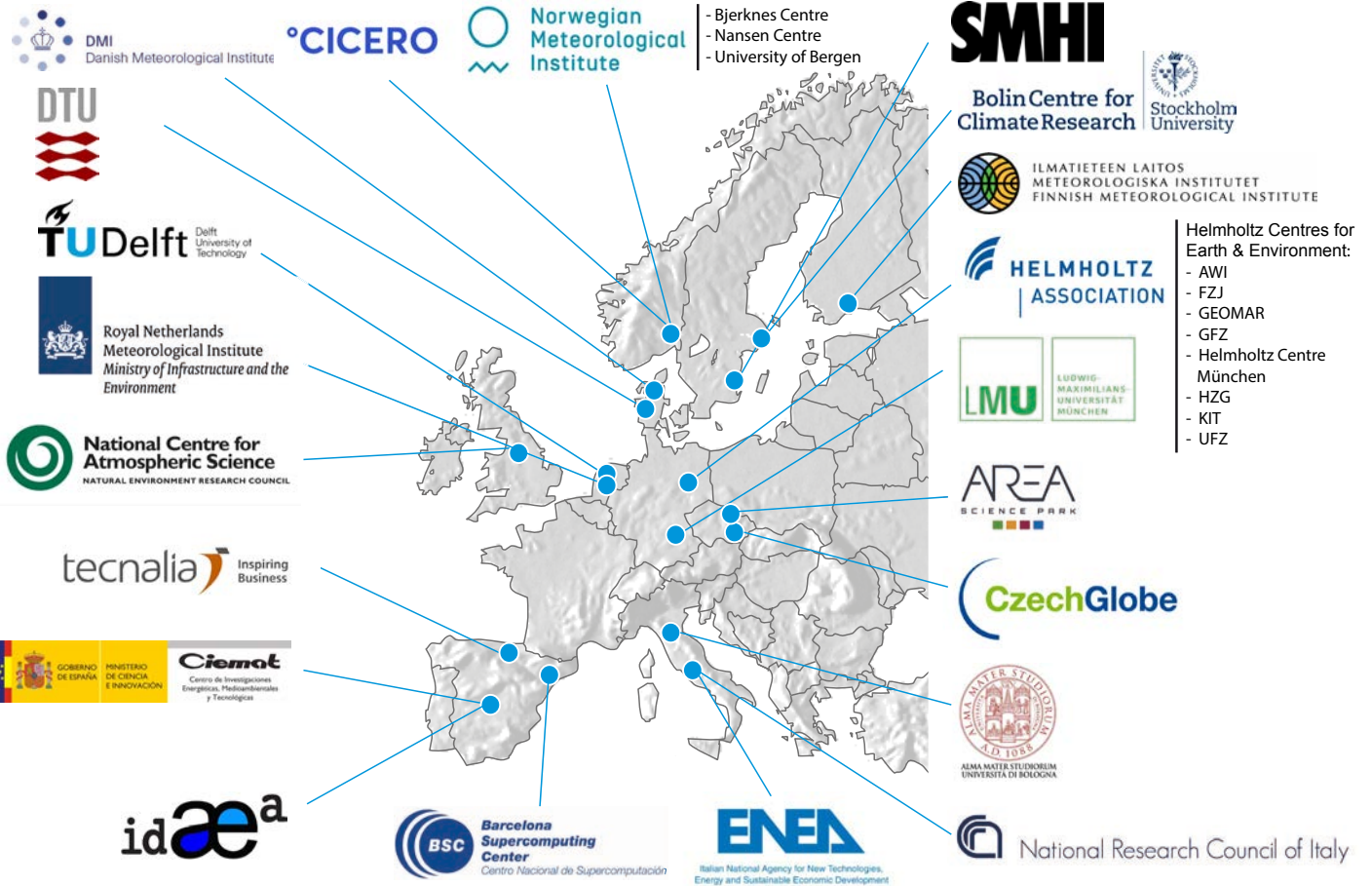
**Arctic climate change scenarios and consequences**

16:15-16:30 Lis L. Jørgensen (IMR, NO)

**Effects of multiple stressors on the benthic ecosystem in the Barents Sea**

17:00 Wrap up and end of the Conference

# ECRA Members



# Contact

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**@ECRA\_CLIMATE**

Ask questions:  
**#ECRA2017**

*For your information: We will take photos at the conference. If you do not wish to appear in the conference documentation, please let us know. Thank you!*