



Joint ECRA Workshop
Collaborative Programme
Changes in the Hydrological Cycle
and High Impact Events

9 March 2017, Brussels

Tina Swierczynski (*ECRA Secretariat*)

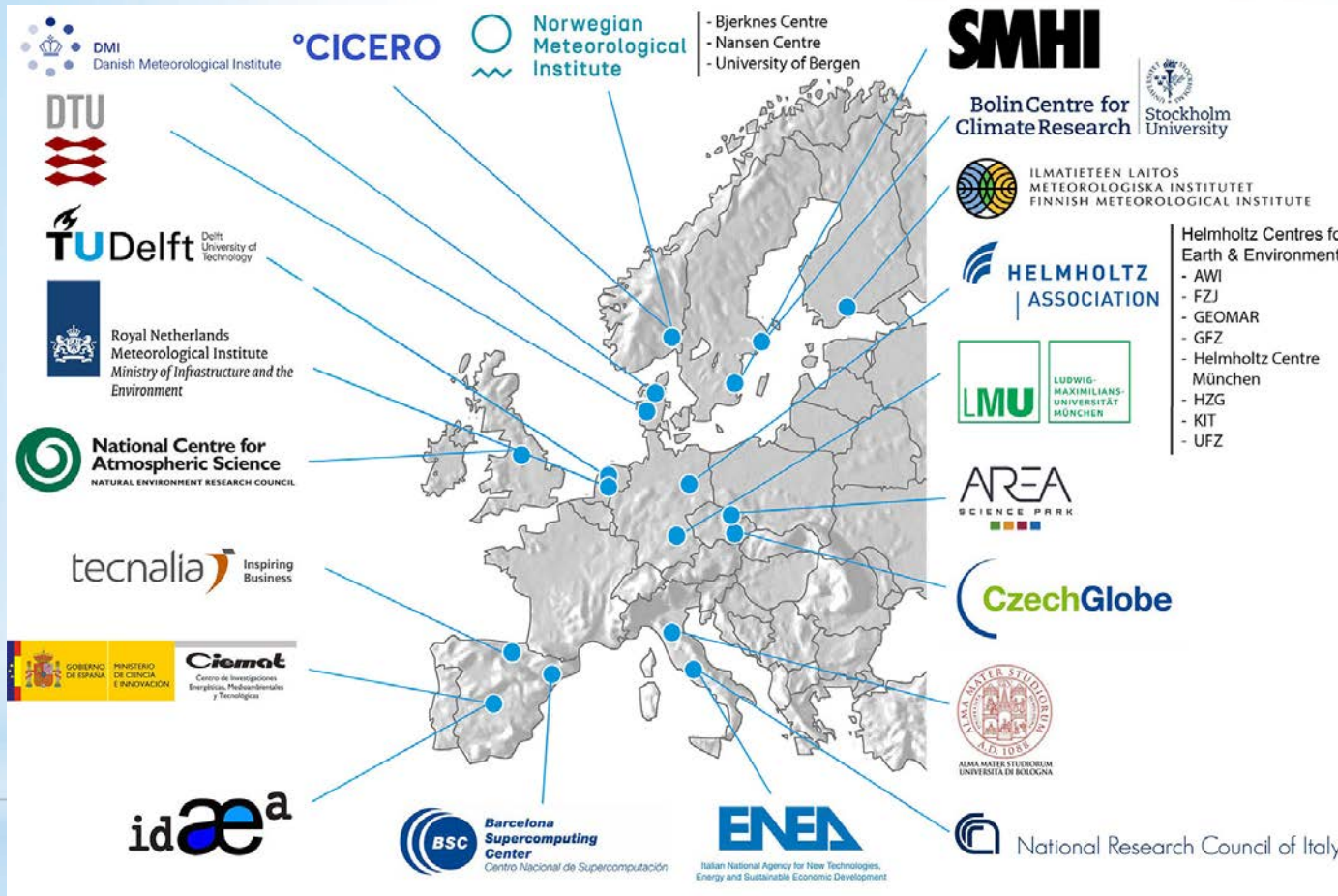
The European Climate Research Alliance (ECRA) is an association of leading European research institutions in the field of climate research.

ECRA is a bottom-up initiative launched in 2011, and focusing on the objective to bring together, expand and optimize European expertise in climate research by sharing existing national research capacities and infrastructures.

“Added Value” for European Research

- **Bottom-up approach** for research strategy based on scientists and participating scientific institutions
- **Platform for joint research planning and activities** in European climate research (national/European)
 - Common strategy to tackle research questions
 - Exchange of information (science, funding)
 - Exchange of personnel (within CPs)
 - Optimised use of existing infrastructure (e.g. data centres)
- **A unified voice** for climate research in Europe

ECRA – Members



23 Member Institutions:

- 9 Partners
- 14 Participants/ Associates

10 countries participate in ECRA

ECRA – Tasks

1. Work in **ECRA Collaborative Programmes** (*participation is open to all*): *Develop White Paper/Strategy*
2. Develop **training, education and outreach activities** (*particularly for young researchers*): *Organize ECRA Side events, support EU research proposal (e.g. COST action) etc.*
3. Provide **advice to policy and public** in respect to climate change: *Stakeholder consultations for HORIZON 2020, briefing documents in European Parliament etc.*
4. Develop **links to other climate initiatives** and **sustained partnerships with industry** to strengthen the interplay between research outcomes and innovation and to foster the early take-up of promising results: *Partnerships with industry in progress*

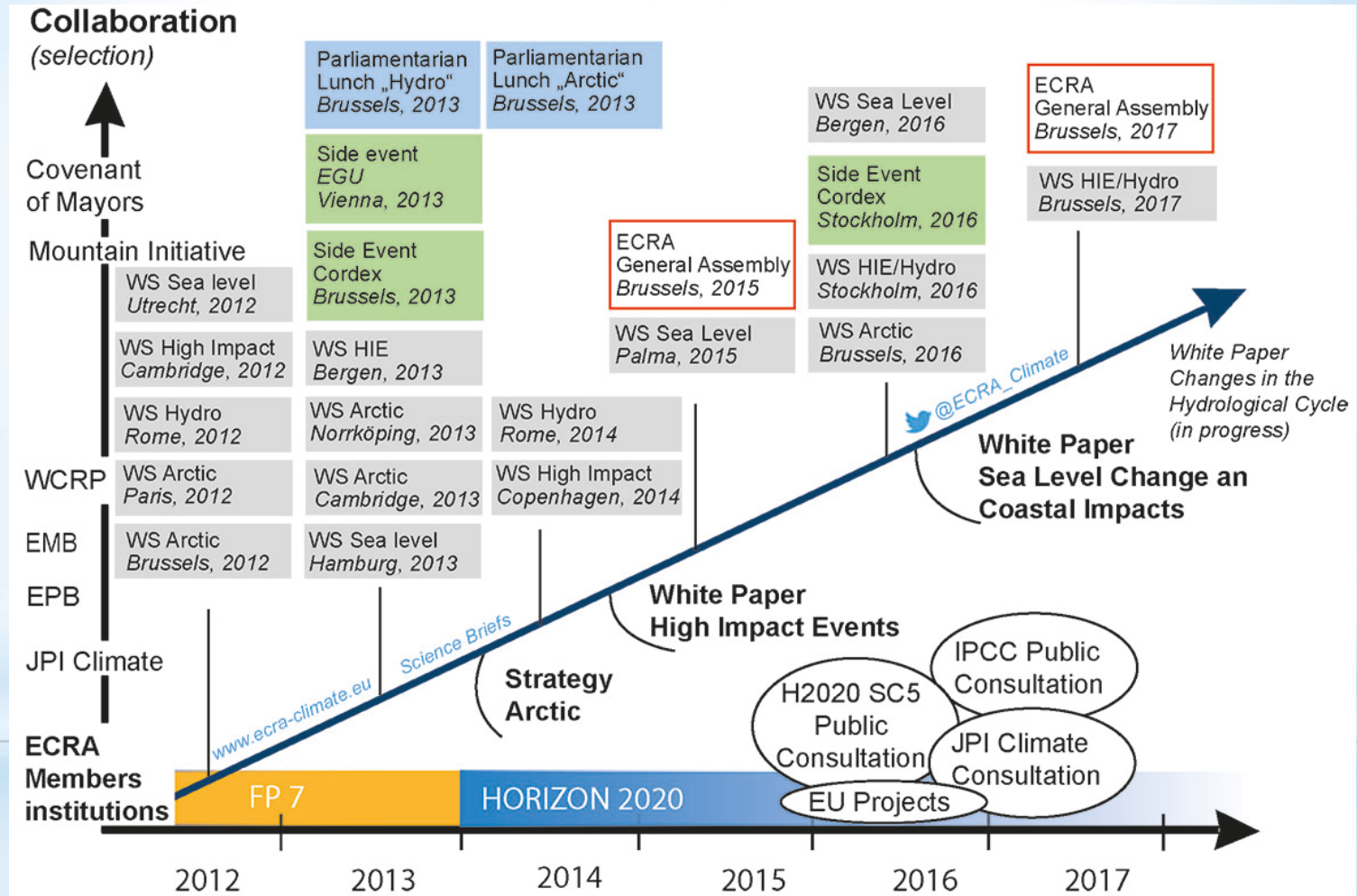
ECRA – Collaborative Programmes

- **Arctic Climate Stability and Change (Arctic)**
coordinated by AWI/Germany and Bjerknes Centre Norway
- **High Impact Events and Climate Change (HIE)**
coordinated by KIT/Germany and DTU/Denmark
- **Sea level and Climate Change (SLC)**
coordinated by ENEA/Italy and NERSC /Norway
- **Changes in the Hydrological Cycle (CHC)**
coordinated by CNR/Italy and LMU/Germany

ECRA Activities: 2011-2017

- **16 x ECRA Workshops** (Collaborative Programmes)
- **2 x Parliamentary Lunch Briefings:** European Parliament 2013, Brussels
- **3 x ECRA Side events at Conferences:** EGU 2013, CORDEX 2013, CORDEX 2016
- **2 x ECRA General Assembly**

ECRA Activities: 2011-2017



Past ECRA Workshops

1st Circular



ECRA/BCCR Workshop

Sea Level Change and Coastal Impacts *Towards adaptation strategies*

21-22 June 2016, Bergen
Bjerknes Centre for Climate Research (BCCR)



WP workshop

SCENARIOS OF REGIONAL AND THEIR UNCERTAINTIES

Joint ECRA – ADSIMNOR Workshop on
Arctic Climate Change and Processes

13 – 15 November 2013
Norrköping, Sweden

Goals of the Workshop:

Agenda

ECRA Workshops initiate:

- Collaboration with other initiatives, stakeholders and communities
- Collaboration of natural and social scientists

- **Link communities** of ECRA, Future Earth and JPI Climate (improve impact research by learning from social scientists)
- **Advance ECRA Strategy** for Collaborative Programme Sea level change and coastal impacts (in particular exchange about research gaps in sea level change research)

ECRA workshops are open
(no workshop fees), but
registration is required
(max. 40 participants)

Expected participants:
- ECRA/Bjerknes Centre
researchers
- Social scientists
- JPI Climate
- Future Earth
- Stakeholders

co-hydrology

interested in advancing
the above men-
research findings in
event is meant as a
ation, shaping and



presentations:

ry) Busalacchi:
for the World Climate
e: Grand Challenges for
ade Ahead"

ib Latif:
ity of regional centennial
el trends"



NOVEMBER 2013

SITY OF HAMBURG

16/03/2017

Registration and further practical information:

www.ecra-climate.eu

Past ECRA General Assembly 2015

European Climate Research Alliance General Assembly 2015

„New knowledge for risk reduction“

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



ECRA General Assembly 2017

Square Brussels Meeting Centre
Coudenberg 3
1000 Brussels



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

Climate Change and Vulnerable Regions



ECRA Side event 2016 (CORDEX)

European Climate Research Alliance
Side event at ICRC-CORDEX 2016



Extreme events in a changing climate

Challenges and perspectives in hydro-meteorological modelling

Wednesday, 18 May 2016 | 17:00 – 18:30
Stockholm, Sweden



Extremes in general and hydrological extremes in particular are likely to increase in a warming world. Recent heavy precipitation and large-scale flooding events emphasize the need for **bridging the scale gap between climate system modelling, high resolution hydrological modelling and impact assessments**. Modelling systems contributing to a better understanding of future risks from

ECRA Side event 2016 (CORDEX)



Key messages:

„... A better understanding of future risks of extreme events needs the involvement of the stakeholders and data users. This is linked to an efficient and appropriate communication of modelling results which might contribute to improved use of valuable data.“(read more: www.ecra-climate.eu)

Thank you
for your attention!