Bridging the Gap between science and policy



European Climate Research Alliance

Bergen 19.03.2024



- Introduction of ECRAs work
- Presentation of our Collaborative Program (CP) Polar
- Joint workshop to elaborate next steps in climate policy

What to expect from ECRA

a platform for joint research planing and activities

Exchange of personnel network in our Collaborative Programms

A unified Voice of climate research in Europe



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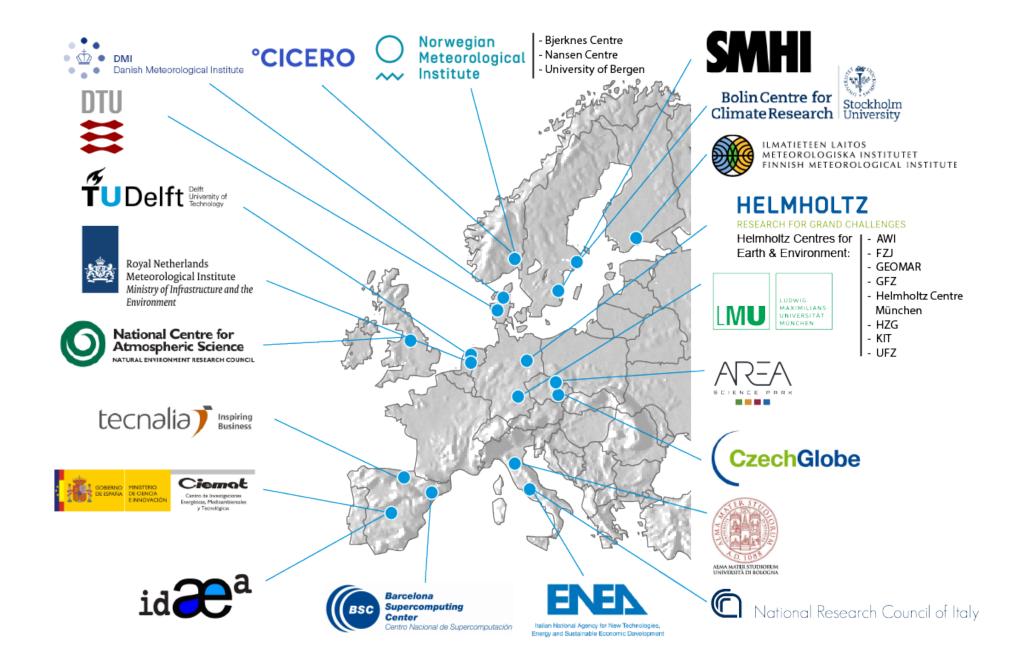






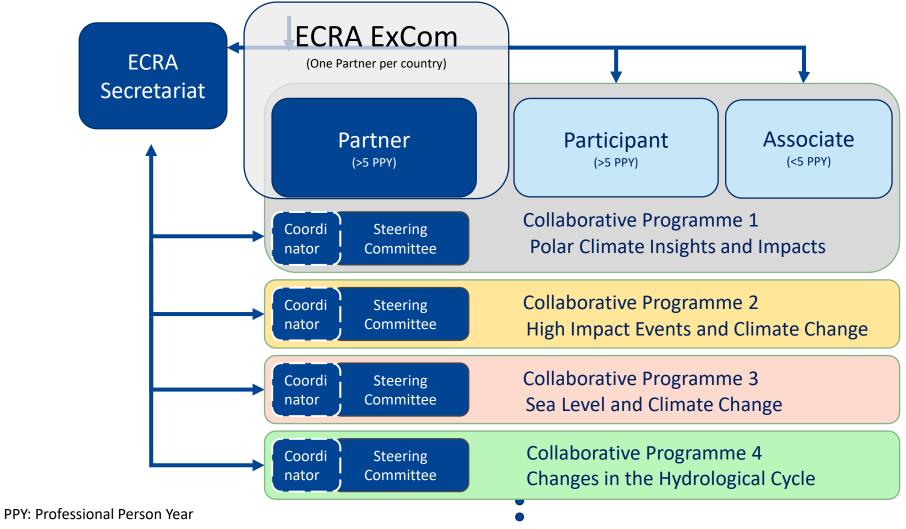






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Governance of ECRA



Collaborative Programmes

ECRA



Polar Climate Impact



High Impact Events



Sea Level Change



Hydrological Cycle

Polar Collaborative Program Polar Climate Insights and Impacts Einar Ólason and Thomas Bracegriddle



The People on the Bridge

- Einar Örn Ólason
- Nansen Environmentalan Remote Sensing Center (NERSC)



- Research leader for the Sea-Ice Modelling Group at NERSC
- Main interests:
 - Rheology and dynamics of sea ice
 - Role of sea ice in small-scale atmosphere-ocean-ice interactions
 - Dynamics of the polar planetary boundary layer

- Tom Bracegirdle
- British Antarctic Survey (BAS)



- Group Leader of Polar
 Climate and Prediction at BAS
- Main interests:
 - Polar meteorology and climate
 - Large-scale atmospheric circulation
 - Troposphere -stratosphere interactions
 - Methods for quantifying and reducing uncertainty in climate model projections

Developing a new Collaborative Programme Polar ECRA: Community Consultation

- Expand the Arctic ECRA community to incorporate members with interests in both polar regions
- Community consultation to develop and/or amend the initial questions
- Organise workshops (such as EGU 2024) to address key questions towards a work plan
- Maintain a dialogue with other ECRACPs to identify opportunities for collaboration

Developing a new Collaborative Programme

Polar ECRA: Polar Climate Insights and Impacts

Insights -> Improve understanding of processes responsible for polar climate variability and change

Impacts -> Improve knowledge of the consequences of polar change for lower latitudes

Polar ECRA: Research Questions:

Q1What drives abrupt shifts in sea ice, and what are the short and long-term effects?

- Q2 Small scales big impacts: what are the small-scale processes that communicate the effects of climate change to large-scale responses in the climate system?
- Q3 What will be the patterns of polar climate change, and what are their driving mechanisms and impacts?
- Q4 What are the drivers of recent extreme weather and climate events, how did extreme events change due to anthropogenic factors, and how will extremes change under future emissions scenarios?

Polar ECRA: Our niche

- The ongoing relationship with the European Commission
- Science focus
- Long-term linkages between diverse communities
- Agile and responsive to new opportunities but also able to take a long-term perspective
- Direct links to non-polar CPs to help provide a wider perspective and sharing of expertise and resources

CP POLAR Leads Einar Örn Ólason

Research leader for the Sea -Ice Modelling Group

 Nansen Environmental and Remote Sensing Center (NERSC)

Jahnebakken 3, Bergen Norway

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CP POLAR Leads

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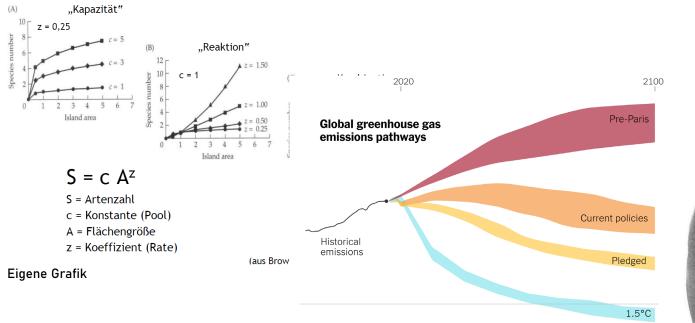
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Why is science communication important ?





https://www.nytimes.com/interactive/2021/10/25/climate/world-



"The spirits say you have all the data. Just do something."

Pat Byrnes / CartoonStock.com

And therefore we need you ...

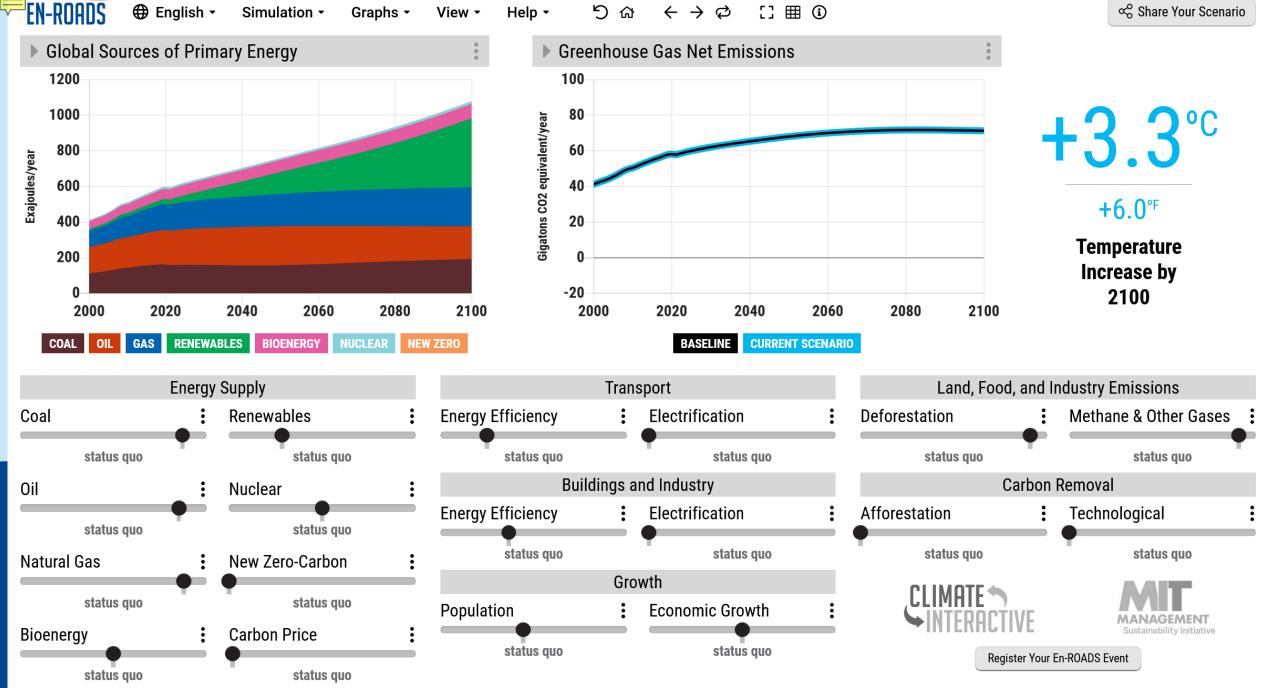
- In the Great debates, Short courses and Workshops, conferences, lectures we learn about participation of scientists in society and political life
- Only two working hours per week can make a difference
- Do you have a science communicator at your team? Support her/him with short facts of your work to expand your outreach .

🌐 English 🗸

Simulation -

Graphs -View - Help -

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What can I do?

- 1. Outline your motivation for engaging in policy.
- 2. Make a list of policy areas that are relevant for your research.
- 3. Decide on which level you want to engage (local, nation, EU, global).
- 4. Understand that the aim of science advice is to asses the feasability and consequences of policy options.
- 5. Connect with others who are engaging in science-policy interface (social media).
- 6. Attend policy network events (e.g. General Assembly of ECRA at the 5th & 6th of March in Brussels or the climate2europe festival).
- Select a skill that you'd like to develop from EUs competence center (Smart for policy). Consider engaging in foresight-related activities that explore long term scenarios.
- 8. Position yourself to spot opportunities.
- 9. Connect and work with journalists to share your expertise, promote acess to reliable information and fight desinformation.



Why does knowledge transfer helps us?

Any ideas?

Contact

Sissi Knispel de Acosta

ECRA Secretariat, Executive Secretary



ECRAoffice Brussels: Rue du Trône 98, 1050 Brussels Phone: +32 5000 983

ECRAoffice Karlsruhe: KIT IMKASF Hermann-von Helmholtz Platz 1, 76344 Eggenstein - Leopoldshafen

sissi.knispel@ecra -climate.eu

+49 721 608 24742

