



# Joint Coordination Office for WCRP Regional Activities (CORA)

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## ■ Why CORA?

- **Dynamic environment in relation to regional climate science and growing need for regional climate information**, e.g. IPCC AR6, climate services, improve connection to user demand and societal relevance
- WCRP identified need to strategically consider **how to refine and revitalise WCRP regional activities** (also identified in the review), to **raise the profile and visibility** of the WCRPs regional work
- Review panel *„The Panel also recommends that WCRP’S approach to regional climate issues and the links through to applications require further and careful thought. Although WCRP should continue to focus on the fundamental, underpinning science that increasingly addresses regional and local climate on all timescales, it is essential that it formalizes and improves its links to applications and user needs, which involves more interdisciplinary approaches “*
- October 2016 “[Scoping a framework for WCRP regional activities](#)“. → WCRP needs a coordination office for its regional activities
- Summer 2017: international call for proposals to host the coordination office

## ■ Who is responsible for CORA?

- January 2018: Bjerknes and GERICS both successful and asked to jointly host the coordination office
- MoU signed between WCRP, Bjerknes, GERICS in August 2018
- Work programme: 1 Jan. 2019 – 31 December 2021

### ***CORA Norway - Bjerknes Centre***

Director: Prof. Tore Furevik

Scientific coordinator: Dr. Beatriz Balino  
(from Feb 1st)

### ***CORA Germany - GERICS***

Director: Prof. Daniela Jacob

Project manager: Dr. Paul Bowyer  
NN Scientific coordinator (from June 2019)

### WCRP

- Senior Science Officer **Dr Boram Lee** to assist CORA with scientific and technical support for planning, coordination and outreach
- CORA will work under the guidance of the JSC, in collaboration with JPS and all WCRP bodies and their international coordination bodies
- CORA reports to the JSC

# ■ What is CORA going to do?

## Communicator

- Support JSC to **develop clear WCRP messages** on regional climate science
- Identify opportunities, resources and partners to **promote WCRP messages on regional climate science**

## Facilitator and integrator

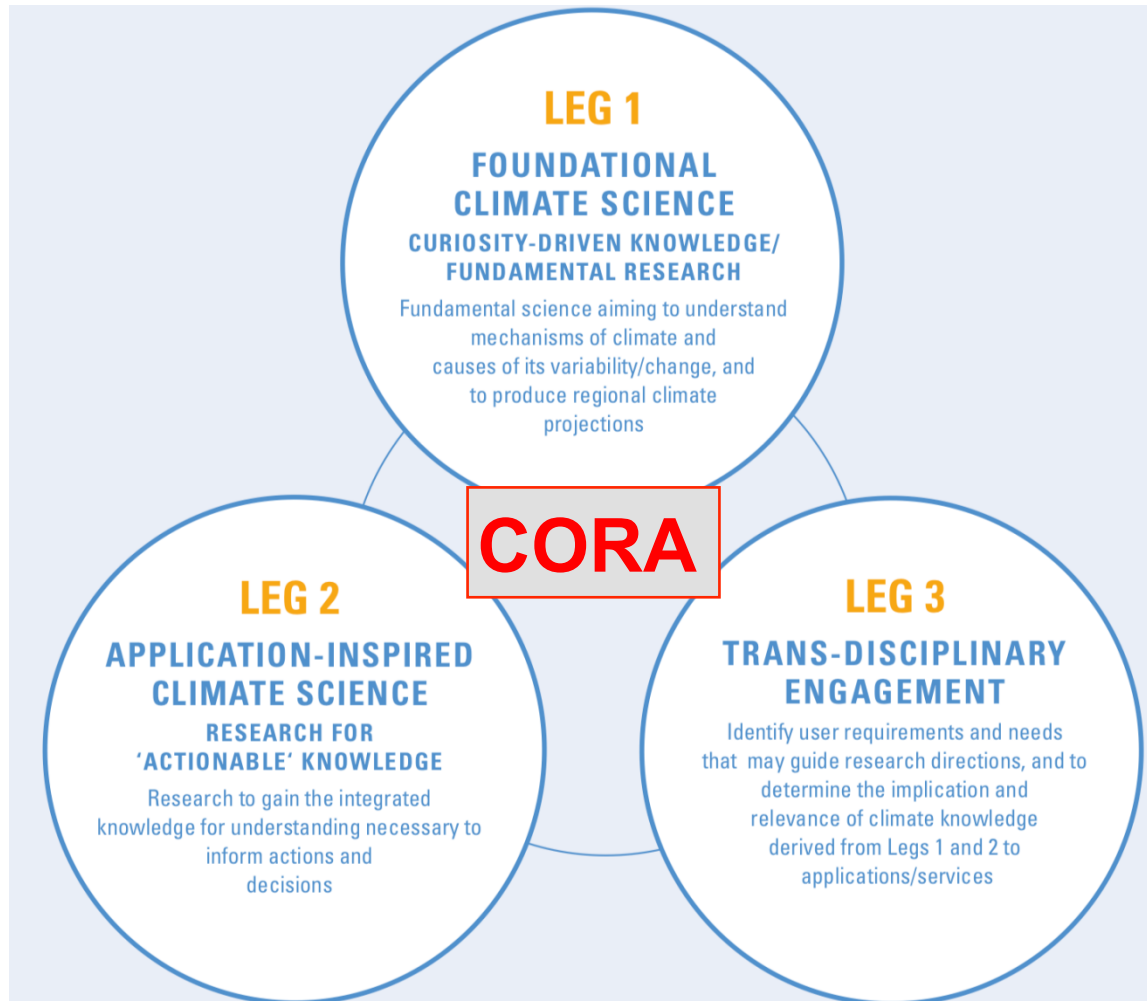
- Assist in **integrating and developing synergies between WCRP regional activities**, and all WCRP established bodies
- Stimulate, support and **identify opportunities for cross-regional collaborations** within the climate science community

## Capacity development

- **Support capacity building** by running scientific workshops, and training events in the regions
- **Develop and promote outreach material** to demonstrate WCRP leadership in regional climate science and information

## ■ How is it going to do it?

- Building on the WCRP's existing infrastructure, working across the full range of core projects, unifying themes, and grand challenges
- Three 'legs' of WCRPs regional climate information



## ■ How is it going to do it?

- Work plan for 2019 to be developed with the assistance of the JSC and JPS, report at JSC session in May
- CORA 'pilot project' character (only three years), need some 'quick-wins' → demonstrate the value of the office
- **First tasks:**
  - Getting to know key personnel within the various regional activities
  - Understanding the range of projects that are currently underway and where, and what the science questions are, for all the activities (CPs, UTs, GCs)
  - Establish working relationship with the JPS
  - Identify some valuable, ambitious, but realistic projects to work on which could lead to some good quality outcomes
  - Huge range of WCRP activities how to determine priorities? A candidate list of new CORA initiatives?

## ■ Some possible outcomes after three years

- Mapping of all regional activities across the full range of projects, archived in a structured database
- Development of a regional climate report series?
- Identification and establishment of a small number of ‘pilot projects’ addressing cross-cutting potential between the different activities, perhaps in the form of Frontiers of Climate Information (FoCI) projects?
- A specific, well targeted detailed user needs analysis? Contribution to pathway to climate services?
- Development of a training course on a specific topic, perhaps tested in a specific region of the world?

# What have we done so far?

<b>WCRP Core Project</b>	
CLIC	Bjerknes
CLIVAR	Bjerknes
GEWEX	GERICS
SPARC	Bjerknes
CORDEX	GERICS

<b>Unifying Themes</b>	
WG on coupled modelling	Bjerknes
WG on sub-seasonal to interdecadal prediction	Bjerknes
WG on numerical experimentation	GERICS
Coupled model intercomparison project	Bjerknes
Subseasonal to seasonal prediction project	Bjerknes
Decadal climate prediction project	Bjerknes
Expert team on climate change detection and indices (ETCCDI)	GERICS



# What have we done so far?

<b>Grand challenges</b>	
Melting ice and global consequences	Bjerknes
Clouds, circulation and climate sensitivity	Bjerknes
Carbon feedbacks in the climate system	Bjerknes
Water for the food baskets of the world	GERICS
Regional sea level change and coastal impacts	GERICS
Near-term climate prediction	Bjerknes
Weather and climate extremes	GERICS
<b>Continents</b>	
Europe	GERICS
Africa	GERICS
Asia	Bjerknes
North America	Bjerknes
South America	GERICS
Oceania	Bjerknes
Antarctica	Bjerknes

# ■ CORA – Norway Science coordinator Beatriz Balino

## Background

Born in Uruguay, in Norway >> 30 yrs

PhD Marine Biology (Univ Bergen, 1996)

Basic and applied research:

- Marine and fjord ecology
- Theoretical studies of plankton dynamics and ecosystem modelling
- Industrial aquaculture

## Work experience

- National:
  - Norwegian Marine University Consortium
  - Division of Research Management, UiB
  - Bjerknes Centre for Climate Research
- International:
  - International Geosphere-Biosphere Programme (IGBP secretariat, Sweden)
  - Joint Global Ocean Flux Study (IPO, Norway)



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## ■ Summary and some questions

- CORA is charged with the task of helping raise the profile and visibility of the WCRP regional activities
- Represents a major challenge, have a lot to learn and are grateful for your support in delivering value for the WCRP
- Will build on the existing WCRP infrastructure, not inventing anything new, CORA is just getting started
- What resources may be made available to us from the WCRP JPS, and/or GEWEX project office, e.g. database of projects, contacts etc?
- What is the relationship between the WG on regional climate and CORA?
- Does the JSC/JPS (and indeed GEWEX) have clear mechanisms for determining priorities? What are they? How can CORA key into them?



# Thank you

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