

## CORDEX at AGU

At the [AGU24](#) in Washington D.C. 9-13 December there are several CORDEX related presentations. Please find below some of the presentations. More can be found if searching for CORDEX in the [online programme](#).

In the session [Regional Climate: Modeling, Analysis, and Impacts](#) convened by Melissa Bukovsky, Ruby Leung, Rachel McCrary, Paul Ullrich, and Eli Dennis there are many presentations using CORDEX data or on CORDEX modeling efforts:

- ***A Global Climate Model Performance Assessment for the North America CORDEX Domain Based on Regional Atmospheric Circulation Types*** - by Swen Brands et al.
- ***Improved historical and future simulation of wind speed and cloud cover with NA-CORDEX over northeastern North America*** - by James King et al.
- ***Assessing the impact of adaptation strategies on crop yields in the context of climate change in West Africa*** - by Amadou Coulibaly et al.
- ***Precipitation Driven Sediment Load Changes – The Role of Model Ensembles in Determining the Results (A Case Study from the Polish Carpathians)*** - by Agnieszka Wypych et al.
- ***The Selection of Driving Models for Regional Simulations: What if Some Marriages Were Less Happy than Others?*** - by Dominique Paquin et al.

Talks: 10 December 2024, 8:30-10:00

Posters: 9 December 2024, 13:40-17:30

Additionally, two CORDEX talks:

- ***Advancements and Insights from NA-CORDEX: Over a Decade of North American Coordinated Regional Climate Downscaling*** (by Melissa Bukovsky)
- ***NA-CORDEX-CMIP6: Current Overview and Updates in North American Coordinated Regional Climate Downscaling*** (by Rachel McCrary)

can be found in the session [Climate Downscaling and Weather Postprocessing: Development, Evaluation, and Applications](#)

Conveners: Mimi Abel, Dan Feldman, Ethan Gutmann, Jeff Arnold

Posters: 9 December 2024, 13:40-17:30

Talks: 10 December 2024, 14:10-15:40

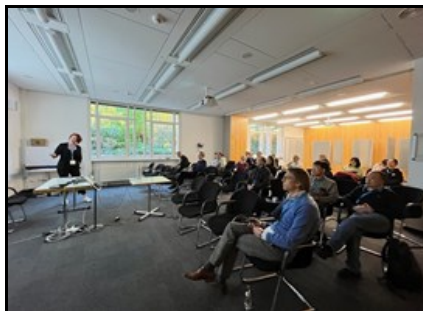
Dominique Paquin together with Martin Leduc, Émilie Bresson, Pierre Pellerin, Travis Logan and Louis-Philippe Caron have a poster titled: ***Navigating the world of climate services: how to optimally combine the joint use of regional and global simulations*** in the session [Drowning in Data: Guiding Climate Data Users Through the Next Generation of Climate Big Data](#)

Posters: 10 December 2024; 13:40 – 17:30

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## Highlights from the Polar CORDEX Annual meeting

The Polar CORDEX community held another great meeting this year, and this time in Potsdam! There was a good mix of presentations on the latest scientific and modelling advances in the Arctic and Antarctic. Read about the highlights on the CORDEX [website](#).



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**The call for proposals to host the International Project Office of CORDEX is still open!**

The World Climate Research Programme (WCRP) is opening a call for proposals to host the International project office of CORDEX.

The CORDEX IPO is currently and since 10 years hosted by the Swedish Meteorological and Hydrological Institute (SMHI) in Norrköping, Sweden and it is now time for someone else to take on this important role. WCRP is seeking applications from institutions willing to host the CORDEX IPO from mid 2025 onward.

The deadline for proposals is 28 February 2025.



**More information about the call can be found at the WCRP website.**

All communications and enquiries regarding this call should be directed in English to Maureen Wanzala ([mwanzala@wmo.int](mailto:mwanzala@wmo.int)) in the WCRP Secretariat.



## **CORDEX Southeast Asia (SEA) domain**

### **- A decade of progress and growth**

CORDEX Southeast Asia began from the initiative of a group of climate scientists in the region. During a workshop hosted by VNU Hanoi University of Science on 2-3 August 2012, the Southeast Asia Regional Climate Initiative (SEARCI) was informally established, and they agreed to work on a proposal to the Asia-Pacific Network for Global Change Research (APN) to produce high resolution multi-model climate projections for Southeast Asia. This project was called the **Southeast Asia Climate Downscaling (SEACLID)** project and was led by Prof Fredolin Tangang of Malaysia. Since CORDEX had already been established at that time and recognizing the shared goals, SEACLID was streamlined and integrated into CORDEX as the 14th domain. Henceforth, the project was known as SEACLID/CORDEX Southeast Asia.

The overarching goals of CORDEX Southeast Asia are to (1) advance the science and understanding of climate change over the region, (2) provide downscaled data products for users to promote application and understanding of climate change impacts, (3) strengthen regional and international networking and collaboration, and (4) build capacity of students and climate researchers.

To achieve these goals, CORDEX Southeast Asia has conducted four collaborative downscaling activities since 2013, where three have been funded by APN. The first was the **SEACLID** project, led by Prof Tangang from Malaysia, followed by the **SEACLID/CORDEX Southeast Asia Phase 2: High-resolution analysis of climate extreme over key areas in Southeast Asia**, also funded by APN and led by Dr Jerasorn Santisirisomboon of Thailand. At present, the group is finishing the downscaling of CMIP6 GCMs over Southeast Asia which is coordinated by Dr Thanh Ngo-Duc of Vietnam. The third APN-funded project, **Climatic hazard assessment to enhance resilience against climate extremes for Southeast Asian megacities (CARE for SEA megacities)**, led by Dr Faye Cruz of the Philippines is currently being implemented. The focus of these activities has evolved in response to the needs of the region. Key to these activities were the support of collaborators from both within and

outside Southeast Asia as well as the fundings provided by the APN and other organizations. Also worth highlighting is the changing leadership, which reflects the importance of providing equal opportunity and task sharing within the group.

These downscaling efforts played a major role in providing multi-model multi-scenario regional climate projections that have been analyzed, along with observational data, in over 40 peer-reviewed scientific literature, contributing to a more robust assessment of Southeast Asia regional climate changes in the IPCC Sixth Assessment Report (AR6). Researchers and scientists who are actively involved in CORDEX Southeast Asia have also significantly contributed to the AR6 as authors and expert reviewers.

CORDEX Southeast Asia also established the [Southeast Asia Regional Climate Change Information System](#) (SARCCIS), an Earth System Grid Federation (ESGF) node, as an online platform for the downscaled climate data, and is hosted by the Center of Regional Climate Change and Renewable Energy (RU-CORE), Ramkhamhaeng University, Thailand.

In over a decade since its inception, CORDEX Southeast Asia have organized a total of 13 workshops (2 of which are virtual), and 7 training (including manuscript writing) workshops. These were crucial avenues for capacity building of climate researchers and students in the region.

The community continues to grow with more institutions and individual scientists in and outside Southeast Asia contributing not only through their regional climate models and computational resources, but also with their expertise. Since its inception in 2013, CORDEX Southeast Asia has been coordinated by Prof Tangang. With this growth, CORDEX Southeast Asia formally approved an internal Council on 23 November 2023 with Dr Faye Cruz and Dr Jerasorn Santisirisomboon as co-chairs. Moving forward, CORDEX Southeast Asia aims to develop capacities in statistical downscaling, and coupled regional ocean-atmosphere for regional downscaling, and continue other capacity building activities. SARCCIS will also be further developed to provide tools for data users and stakeholders and strengthen collaboration with stakeholders and policymakers.

The current Points of Contact in this domain are:

**CORDEX SEA: Fredolin Tangang, Faye Cruz, Thanh Ngo Duc, Koji Dairaku and Liew Juneng**

More information on activities can be found at the CORDEX website under [Domain activities](#)



CORDEX Southeast Asia Council in Bangkok, Thailand 23 November 2023



Submit your publications

**Have you published any new publications related to CORDEX during 2024? Don't forget to submit them**

### Submit your publications

Submit your publication to the CORDEX publication list by filling out the following form.

If the submission has been successful you will receive a notification on the screen.

Your submission will then be held for approval by the CORDEX office.

Please note that only publications that are CORDEX related should be submitted here.

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**The International Project Office for CORDEX is hosted by  
Swedish Meteorological and Hydrological Institute (SMHI),  
Folkborgsvägen 17, 601 76 Norrköping, Sweden**

CORDEX WEBSITE

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