

Call for members: Task Team on CORDEX Convection Permitting Modelling and Strategy

CORDEX is launching a new **Task Team on Convection Permitting Modelling and Strategy** to define and implement a strategy around its diverse Convection Permitting Regional Climate Modelling (CPRCM) activities (also called km-scale regional modelling). This TT will build on the work of the CPM Task Force and its recommendation (see the [final report](#)) and will link closely with other CORDEX activities. The aim is to build from the successes of the CORDEX Flagship Pilot Studies and work towards a more coherent and coordinated approach.

We aim to build a balanced team that combines the experience of senior scientists with the fresh perspectives and technical expertise of early-career researchers. Two members will be appointed as coordinators. The TT will play a central role in shaping the CORDEX CPRCM strategy in CORDEX-CMIP7 and beyond.

1. Tasks and responsibilities of the TT members

- Attend and contribute to meetings, typically convened twice per month, to drive progress and make decisions.
- Work with other TT members to support delivery of the objectives.
- Contribute to the preparation and oversight of the specific activities (experiment design, data archiving specifications, data request, etc.).
- Facilitate collaboration across CORDEX regions and with other WCRP initiatives.
- Contribute to the documentation and dissemination of technical guidelines and community standards.
- The two coordinators will be responsible for coordinating the activities and for reporting to the SAT, which oversees and approves the actions undertaken.
- Follow the [WCRP Code of Conduct](#).

2. Expertise

We are seeking members with expertise in:

- Regional climate modeling and experiment design; and in particular experience with high-resolution convection permitting modeling;
- Impacts modelling and coupled systems modelling (e.g., hydrology, urban, land surface, oceans);
- Scientists with diverse geographical expertise (e.g., tropics, coasts, mountainous regions, small islands, polar regions);
- Technical expertise in modern HPC and data handling.
- Programming skills and use of community tools (e.g. GitHub)
- Regional phenomena in different domains (CORDEX regional Points of Contact are welcome to participate)
- Preparation of regional climate forcing data sets (land use, urban, ...)
- Data archiving and distribution (ESGF, ESGF-CORDEX nodes), and metadata conventions
- Data standards, workflows, and reproducibility,
- Working with end-users, especially non-scientists

3. Time commitment

Meetings will take place regularly, typically one hour, twice per month. Some out-of-hours work will be required due to time zones, but every effort will be made to rotate meeting times to ensure fairness across the members. Furthermore, most work will be required between meetings to reach the objectives of the TT. Estimated load is about 10–15% FTE.

The initial membership term is 2 years, with possible 1-year extension.

4. How to apply

To nominate someone (including self-nomination), please complete this [application form](#). If interested in serving as co-coordinator please indicate this in your application.

Deadline: Applications must be received by **July 31st** (any time zone).

5. Selection process and criteria

The call selection panel will consist of the members of the Task Force on Convection Permitting Modelling. The call selection panel will undertake the shortlisting of the applications. The identified names will then be submitted as a recommendation to the CORDEX Scientific Advisory Team for final approval. Two members will be appointed as coordinators.

Members will be selected to serve as liaisons with other Task Teams.

6. Remuneration

Task Team members are not paid. Financial support to travel and participate in person to relevant meetings may be available on a case-by-case basis.

7. Diversity and inclusion

WCRP is committed to diversity and inclusion. We strongly encourage applications from:

- Early to mid-career researchers
- Experts from all regions of the world
- Women and other underrepresented groups in climate science

8. Questions and contact

For questions about this call, please contact mwanzala@wmo.int

Context

In addition to its governance bodies (the International Project Office, **IPO** and the Science Advisory Team, **SAT**) CORDEX currently operates through several key instruments: **Domain Activities** (covering 14 regional domains, plus the CORE experiment for global coordination), **Flagship Pilot Studies (FPS)**, which coordinate research on emerging scientific challenges, and **Task Forces (TFs)**, which facilitate rapid strategic planning. Within the structure of WCRP Core Projects such as ESMO and RifS, **Task Teams (TTs)** play a central role in coordinating scientific and technical activities and promoting broad community

engagement. TTs are time-bound, goal-oriented instruments established to deliver specific outputs within a defined timeframe. The three new Task Teams in this call will complement the existing [Task Team on CORDEX-CMIP7 protocols and infrastructure](#). Together, these mechanisms ensure that WCRP projects remain strategically coherent yet operationally flexible, balancing broad community consensus with focused, solution-oriented progress.