

Call for members: Task Team on CORDEX–CMIP7 protocol and infrastructure

CORDEX is launching a new Task Team (TT) to define the experimental protocol and technical documentation for the new CORDEX–CMIP7 experiment, building on the CMIP6 framework while expanding to incorporate new model components and scientific priorities. The TT will also oversee the maintenance of the underpinning repositories and coordinate with ESGF to ensure the infrastructure required for storing and publishing CORDEX–CMIP7 data is robust and accessible.

We are seeking members with expertise in:

- Regional climate modeling and experiment design,
- Preparation of regional climate forcing data sets (land use, urban, ...),
- Data standards, workflows, and reproducibility,
- Data archiving and distribution (ESGF, ESGF–CORDEX nodes),
- Technical operation of repositories and data services.

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 contribution to CMIP7, ensuring scientific rigor, technical robustness, and the global accessibility of data.

Interested candidates are invited to express their interest by the end of October, 2025, by filling out this [application form](#).

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.).
- Be willing to acquire the skills required to develop and maintain the infrastructure.
- 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 experts with experience in at least two of the following topics. The TT as a whole should include people with expertise in:

- Programming skills, including the use of development platforms (e.g. Github)
- Regional climate modeling
- Empirical-Statistical downscaling
- Machine Learning and AI
- Active participation in CORDEX
- Regional phenomena in different domains (CORDEX regional Points of Contact are welcome to participate)
- Preparation of regional climate forcing data sets (land use, urban, ...)
- Experience with CMIP and/or CORDEX data infrastructures
- Experience with ESGF and/or CF metadata conventions
- 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](#).

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

5. Selection process and criteria

The call selection panel will consist of the members of the Task Force on preparation for CORDEX-CMIP7. 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.

At least two members will be selected to serve as liaisons with CMIP and ESGF.

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 RfS, 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 (such as the CORDEX-CMIP7 protocol or technical documentation) within a defined timeframe. Together, these mechanisms ensure that WCRP projects remain strategically coherent yet operationally flexible, balancing broad community consensus with focused, solution-oriented progress.