



Open call for CORDEX Science Advisory Team membership

The vision of the Coordinated Regional Climate Downscaling Experiment (CORDEX) **is to advance and coordinate the science and application of regional climate downscaling through global partnership. CORDEX aims to provide information at the scale where decisions are made and also working with knowledge exchange on regional and local scales, with the purpose of bridging between science and society.**

Our main goals are:

1. To better understand relevant regional/local climate phenomena, their variability and changes, through downscaling
2. To evaluate and improve regional climate downscaling models and techniques
3. To produce coordinated sets of regional downscaled projections worldwide
4. To foster communication and knowledge exchange with users of regional information.

CORDEX Overview

The CORDEX vision to advance and coordinate the science and application of regional climate downscaling through global partnership is further outlined in the Science Challenges, White papers and the Science Plan. The vision and goals are implemented through the regional projections work in the 14 domains that cover almost all land areas plus the Arctic, through workshops, conferences and Flagship Pilot Studies where local and regional climate change challenges, the end-to-end perspective, adoption of climate information by society and transferability of results are in focus.

Targeted research on the development and construction of regional climate information includes:

- Close integration and collaboration with complementary activities of other WCRP activities and initiatives
- Strong external partnerships that include both the climate science community and stakeholders

In the new WCRP structure CORDEX is a central pillar of the CORE Project Regional Information for Society (RIFS).



The CORDEX Science Advisory Team (SAT)

The vision and science plan of CORDEX are implemented through actions designed and managed by the Science Advisory Team (SAT) under the leadership of co-chairs, and with the dedicated support of the International Project Office for CORDEX (IPOC).

SAT Responsibilities

In order to achieve the CORDEX vision the Science Advisory Team (SAT) has the mandate to implement and oversee, in communication with the broader scientific community, the following tasks:

- Advance and coordinate the science and application of regional climate downscaling through global partnerships;
- Maintain and update, as needed, a framework for evaluating regional climate downscaling techniques;
- Establish and maintain protocols for CORDEX output and CORDEX archives;
- Oversee and promote projects that advance regional downscaling;
- Assist with coordination of WCRP research activities relevant to regional climate downscaling;
- Promote links to other relevant programs such as WCRP core projects, the Coupled Model Intercomparison Project (CMIP), the Intergovernmental Panel on Climate Change (IPCC), the World Weather Research Programme (WWRP) and the Global Framework for Climate Services (GFCS);
- Provide advice to WCRP regarding research activities needed to support and improve regional climate science, modeling and observations.

The SAT members are appointed for an initial term of 4 years with two possible renewals. The SAT membership is on a voluntary basis. We seek members that are willing to commit time to this work. Financial support to travel and participate in person in regional activities may be available on a case-by-case basis.

Individual SAT-members play a significant role in contributing to the SAT tasks with responsibilities including what is listed below:

- to contribute to the development of CORDEX strategy and goals;
- to actively contribute to (write, comment) and implement CORDEX guiding documents such as the CORDEX Science Plan, The White Papers and the Scientific Challenges;
- to act as SAT liaison for one or more Flagship Pilot Studies;



- to act as SAT liaison for organizations/groups such as other WCRP core activities, NGOs, WWRP etc;
- to foster cooperation and communication and develop networks on CORDEX and regional climate modeling and information matters where and with whom relevant;
- to coordinate and participate in CORDEX activities (workshops, training activities, conferences, etc);
- to coordinate and contribute to associated outreach and interaction with stakeholders/society (including producing news items, web page material, interaction on social media, representing CORDEX at various events etc);
- to support resource mobilization with relevant stakeholders (development banks, funding agencies, donors, etc);
- to interact with the various CORDEX regions and their Points of Contact (POCs) and with the CORDEX Project Office and
- to attend and contribute to SAT-meetings (virtual and in person) and other CORDEX meetings.

The SAT-meetings take place regularly and preferably around once a month. Every year there is also a two to three-day in person (or virtual) meeting. At times the work can be intense as for instance; the year preceding a CORDEX conference (which takes place with 3-4 year intervals), when many activities such as workshops/trainings are taking place in a short time or when new guiding documents are developed or updated. As the SAT members are spread around the globe our virtual meetings will sometimes be out-of-office hours for everyone.

This call invites the community to nominate candidates (including self-nomination) to become members of the CORDEX Science Advisory Team (SAT).

Involvement in the CORDEX Science Advisory Team (SAT) brings a range of benefits for participants. As a SAT member you will be involved in the core of the international community on regional and local climate science, with opportunities that include:

- Personal career development through exposure to frontier research activities and collaboration/networking with world leading climate scientists.
- Develop and participate in collaborations on regional climate research.
- Opportunity to represent and develop your institutes and domain/region's climate research activities and interests as well as climate challenges and benefiting from linking and aligning these with international communities' activities.
- Develop and expand your network of scientific collaborators within the international research community.
- As part of the CORDEX leadership you will have a voice in the strategic planning of CORDEX and other WCRP activities that actively lead at the frontiers of climate science. The SAT is a cornerstone in developing CORDEX and pushing regional climate downscaling methods, information and communication forward.
- Contribute to the professional development of the next generation of scientists and scholars.
- Help to enable global climate-change readiness and societal resilience.



The SAT selection process and criteria

We seek nominations that ensure broad diversity of regional representation, gender, career stage, research discipline & expertise, and equitable representation of the global north and south. Additional selection criteria could include having connections with research activities and projects in your region, or links with cognate activities of the WCRP and/or CORDEX. Nominees should have demonstrable experience in one or more of the following areas:

- Expertise that fits one or more of the CORDEX themes:
 - Regional climate understanding for climate projections (multi-decadal)
 - Weather and climate extremes
 - Application of regional climate modeling
 - Communication and Societal Engagement
 - Technical aspects of dynamical and statistical models and tools
- Humanities and Social Science connected with climate
- Climate services and stakeholder/user engagement
- Artificial intelligence for regional climate analysis and downscaling
- Vulnerability, Impacts and Adaptation (VIA) research and decision making;

The CORDEX co-chairs and current members of the SAT will undertake the shortlisting from the submitted nominations.

How to apply

If you are interested in joining the SAT, please submit your application via the [online form](#) by **30 June 2024**. Self-nominations are welcomed. If you are not able to access the form you are welcome to contact us at ipoc@cordex.org and we will provide a form in another format.

Please circulate and distribute this call among your communities and networks.

Please direct inquiries about the nomination and selection process to the CORDEX office ipoc@cordex.org.