

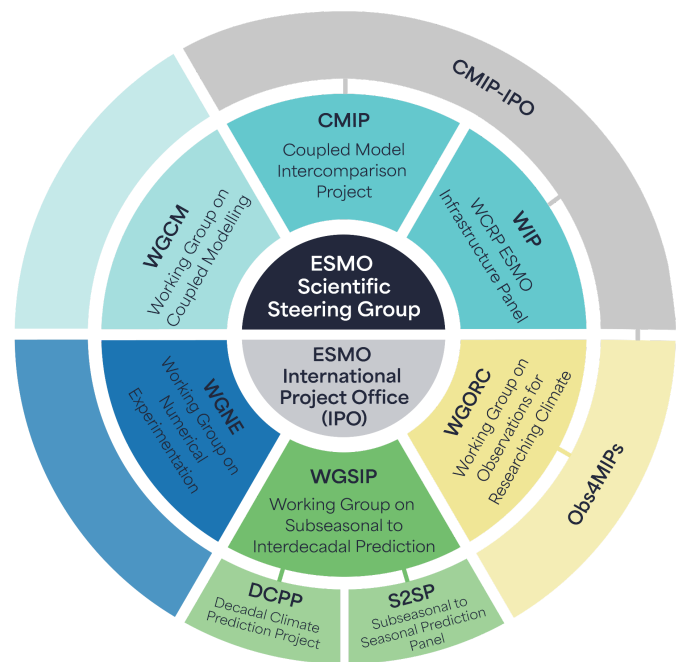
Open Call for new members to join the ESMO Scientific Steering Group

The [WCRP Earth System Modelling and Observations \(ESMO\) core project](#) is seeking new members to join the Scientific Steering Group! We are specifically looking for experts with experience in **km-scale** and **data-driven modelling**.

Don't miss the opportunity to join this group of experts and leave your mark in advancing modelling activities within the World Climate Research Programme (WCRP). Apply now to be a part of the Scientific Steering Group of the World Climate Research Program's pioneering initiative.

Background

The **WCRP Earth System Modelling and Observations (ESMO)** Core Project coordinates, advances, and facilitates all modelling, data assimilation and observational activities within WCRP, working jointly with other WCRP projects and providing strategic connections to related external programs. ESMO has developed the following **three scientific objectives** and will identify a number of cross-cutting themes that will strongly benefit from the coordinated model-observation framework.



ESMO objectives are:

- Advancing predictions and projections of the Earth system on time scales from weeks to centuries via a model-observation integrating framework.
- Improve monitoring, understanding, and attribution of climate system changes and impacts with robust uncertainty quantification through the synthetic use of models and observations.
- Advancing and harnessing emerging technologies in modelling and observations.

Each of the above objectives requires an internationally coordinated, integrated, and consistent framework combining global Earth system observations, data assimilation and modelling.

These objectives are informed by the most pressing shortcomings in our ability to monitor, predict and project the climate system from days to centuries and from local to global spatial scales, with the aim to advance the core capabilities of the programme.

ESMO consists of several Working Groups, Projects and Panels whose significant work contributes to our understanding, predictive skills, and improved projections across all components of the climate system.

Specific information on the SSG and the member role

The science plan of ESMO is implemented through actions designed and managed by the Scientific Steering Group (SSG) under the leadership of two co-chairs, and with the dedicated support of the ESMO International Project Office (IPO). The SSG coordinates dialogue and collaboration with other activities in the WCRP and engages with representatives of the external partners as well as broader stakeholders.

The SSG is composed of 14 members who are appointed for an initial term of 4 years with two possible extensions of two years each, following the WCRP membership guidelines.

SSG Responsibilities

- To contribute scientific knowledge, experience, and energy in designing, developing, implementing, and overseeing ESMO activities to achieve the overall goals.
- To establish new ESMO working groups and coordinate all existing WGs.
- To proactively invest in evolving, guiding, and sustaining the ESMO activities to serve the overarching goals of the core project.

SSG members are expected to coordinate the implementation of the ESMO science plan with the support of the IPO. Examples may include: developing and coordinating workshops, identifying new cross-cutting themes, promoting dialogue with other WCRP groups and external partners.

Time commitment

Members of the Panel are expected to attend regular online SSG meetings, typically of 2 hours duration, that take place every 3-4 months or at the discretion of the SSG co-chairs. One in-person meeting is planned for every 2 years, or sooner if it is possible to leverage suitable opportunities. Some out-of-hours work may be required due to time zone differences, and special activities, such as an annual meeting to review ESMO activities, may also be requested. There may be times when there is more or less work, depending on the activities undertaken (e.g., more intensive time demand may be

needed with, for example, a workshop or publishing an ESMO paper). Alongside, SSG members are expected to engage and liaise with other relevant activities of ESMO, WCRP or beyond as necessary. Before applying, please carefully consider your current obligations and ensure that you are able to commit the necessary time and effort to this working group.

Typical additional activities that a SSG member would engage in could include:

- Attending an ESMO-related workshop (virtually or in person)
- Additional virtual meetings for dialogue with other parts of WCRP and external stakeholders (5-10 1-hour virtual meetings / year)
- Document preparation such as a white paper, or guidance document
- Developing new cross-cutting themes
- Developing networks
- Proposal conceptualization and development
- Presentation about ESMO to other organisations / conferences / meetings
- Participating in new research activities (if desired)

What we offer

Involvement in the ESMO SSG brings a range of benefits for participants. As SSG member you will be involved in the core of the international science community that brings together climate modelling and climate observations, with opportunities that include:

- Personal career development through exposure to frontier research activities and exchange with the world's leading climate modelling and observational scientists within WCRP and experts from external programs.
- Develop and participate in collaborations on climate modelling and observational research.
- Ensuring WCRP climate modelling and observations activities include expertise and ideas from all research areas within WCRP.
- Developing and expanding your network of scientific collaborators within the international research community.
- Having a voice to help strategic planning of WCRP activities at the frontiers of climate modelling and observations.
- Provide input to coordinated activities on exploiting new and emerging technologies including machine learning, new observing platforms and citizen science contributions.
- Contributing to the professional development of the next generation of scientists and scholars.

Please note that these roles are voluntary, unpaid positions.

How to apply

Applicants are asked to fill in [this form](#) and provide a 1-page CV that describes applicants' qualification and a motivation statement of max ~250 words. Please note that applications that do not meet these requirements will not be considered.

Deadline: 15 July, 2026 at 23:59 CEST

Diversity and Inclusion

WCRP embraces diversity, demands equality, and builds capacity for the future with a commitment to inclusive and representative teams across all areas of activity, including the development of SSG activities.

Members should equitably represent both developed nations and emerging economies; and an equitable representation of gender, age, and geographical provenance across the panel members should be ensured, with care to include early career scientists.

For this call, the appointment committee encourages applicants from all around the world, with a focus for the following groups to apply: ECRs, women, gender-diverse individuals, and representatives from emerging economies, with the aim of improving gender and regional balance.