Open Call for new members to join the Working Group on Numerical Experimentation (WGNE)

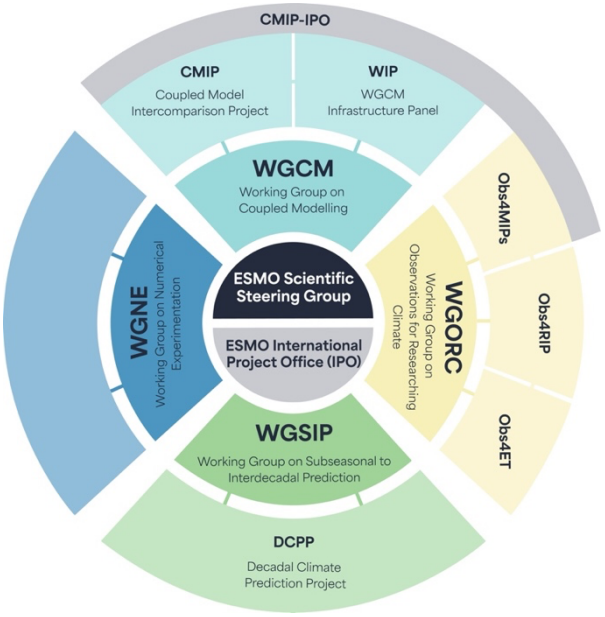
The **Working Group on Numerical Experimentation (WGNE)** is recruiting!

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). If you are eager to share your expertise with leading researchers and get the chance to contribute to shaping new initiatives and collaborate with new colleagues, send us your application.

Background

The **Working Group on Numerical Experimentation (WGNE)** seeks global experts who are vested in enhancing the emerging capacities of operational meteorological centers and services. Continuous updates, reference benchmarks, and sharing of modeling progress from major centers worldwide enable a comprehensive review of efforts to address systematic errors in Earth System Models. Process-oriented verification and prediction skills, made through close collaboration with the Joint Working Group on Forecast Verification Research (JWGFVR), contribute to diagnosing systematic errors.

WGNE operates within the **WCRP Earth System Modelling and Observations (ESMO)** Core Project, which oversees and advances all modeling, data assimilation, and observational endeavors within WCRP. It collaborates with other WCRP projects and establishes strategic links with external programs. Adopting a seamless and comprehensive approach, ESMO spans all Earth system components, disciplines, and scales. ESMO comprises various Working Groups (WGs), some long-standing and others currently in formation.



The ESMO structure

Specific information on the role

Members engage in sharing progress and in sharing experience with model development, diagnostic tools and techniques to address systematic errors in Earth System models and their components. Members engage in projects and topical discussions on advances in numerical methods, physical parametrizations, dynamics and model verification, ML/AI, HPC adaptation among others. Ideally, applicants can contribute their experience and insights on Earth system modelling activities that relate to one or more of the topics above.

The initial length of term is 4 years with the possibility to renew it twice, each time for an additional two years.

What we offer

As a member of WGNE you will have the chance to:

- Develop personal career through exposure to frontier research activities and exchange with the world's leading Earth System scientists within WCRP and beyond;
- Develop and participate in collaboration on Earth System modelling and observational research;
- 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 numerical experimentation and simulation research.

How to apply

Applicants are asked to provide a 1-page CV and a half-page motivation statement. These should be sent as a single PDF file to be named "**WGNE_Membership_Application_[Name].pdf**" to the email address ipo@wcrp-esmo.org

Deadline: 3 June 2024

Remuneration

These roles are voluntary, unpaid positions.

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 these WGNE activities.
Members should equitably represent both developed nations and emerging economies; and an equitable representation of gender, age, and geographical provenance across the WG 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.