

Fresh eyes on CMIP

Researchers, scientists, and practitioners early in their career provide a unique insight into climate science and have the potential to offer a fresh perspective on CMIP. ECRs* regularly undertake the, often time consuming, task of generating, downloading, processing, and analysing data from CMIP and have a unique, working insight into the successes and flaws of CMIP phases. Fresh eyes on CMIP will be a new working group comprised of scientists, researchers, and practitioners in the early stages of their careers to sit alongside the CMIP7 task teams. Fresh Eyes on CMIP will also work to significantly increase collaborations with scientists working in the global south.

*ECR definition

Early career researchers (ECRs) are master and PhD students, researchers, and practitioners in the early stages of their career. Typical definitions of ECRs suggest this period is within seven years of obtaining their highest degree (excluding career breaks). We will not impose this strict time definition but include it for reference. Application is open to all scientists, researchers and practitioners in the early stages of their career. Practitioners are those working at the interface of society, policy, practice, and research.

Objectives and Goals

1. Directly integrate the voice of ECRs into CMIP.
2. Provide invaluable insight into the generation and access of CMIP data.
3. Creating opportunities and encouraging participation for ECRs in the CMIP community
4. Engage ECRs in the broader scientific and research community intersecting academia, NGOs, private sector, and Governmental institutions.
5. Present proposals to the CMIP Panel and CMIP7 Task Teams
6. Members will act as task team liaisons and attend task team meetings to provide their insight.
7. Co-leads to attend CMIP panel meetings
8. Work with IPO on identifying avenues for reducing the carbon footprint of CMIP.
9. Work with IPO on designing dedicated CMIP ECR activities and increasing ECR involvement in wider activities.

Group size

The size of the group can be flexible. There will be two co-leads, in line with other task teams. Each existing CMIP7 task team would have one or two liaisons in the Fresh Eyes on CMIP group. The co-leads acting as liaisons for the Panel. Therefore, group size should lie between nine to sixteen members.

Time commitment

Meetings are expected to take place regularly, every 2-3 months, and more frequently as required and at the discretion of the co-leads. There may be times when there is more or less work depending on the activities undertaken (e.g., a peak period may be associated with a workshop or paper published by the group). Due to the international nature of the group. Most meetings will be online, with some out-of-hours working required to the challenges of time zone coordination.

Remuneration

As with all CMIP7 task teams and committees, these will not be paid roles.

Desired experience

We are looking to assemble a multidisciplinary group of ECRs representing skills across the range of the CMIP community. You may have experience of one or more of the following:

- CMIP experiment design,
- CMIP model simulation,
- use of CMIP datasets,
- creation of ES-DOC documentation for CMIP6, and use of the ES-DOC documentation for CMIP6,
- experience in Earth system model development,
- experience in presenting evaluation results in an easy-to-understand way,
- knowledge on software tools that can be used to analyse large volumes of data in parallel to facilitate the evaluation of model simulations,
- multi-model analysis and operational use,
- impacts and mitigation analysis
- familiarity with the CMIP data protocols (“CMORization”), the Climate and Forecast (CF) Conventions, including experience exploiting and extending the CF conventions,
- ESGF infrastructure background and knowledge about related CMIP6 infrastructure components like CMIP-CVs, ES-DOC, and Handle Service
- experience in the large-scale use of CMIP or CMIP-like data including under strong resource constraints,
- engagement in Equality, Diversity and Inclusion initiatives within the scientific community.

How to apply

Applications should be submitted via online form before 2 June 2023. Form can be found by [following this link](#).

Contact and further information

The point of contact for this working group is the CMIP International Project Office (CMIP IPO). Co-leads will be identified when the team is assembled.

Please contact the CMIP IPO (cmip-ipo@esa.int) if you have any questions or require further information.