Open call for membership of the Task Team on Data Citation for CMIP7

The current data citation service relies on a single person and the support by a single institution. Services were developed in an ad hoc manner restricted by limited resources. The aim of this TT is to develop the concept of a sustainable data citation service that:

- Supports CMIP7 and other WCRP projects and MIPs.
- Integrates more seamlessly into the CMIP infrastructure.
- Provides improved services for data providers and data users based on the CMIP survey results.
- Shares effort and costs among several DOI-providing institutions increasing resilience of the service.

The TT will also be responsible for developing a governance structure to drive forward the results of the TT. This governance board will develop an implementation plan and the coordination of its implementation as well as the definition and oversight of metadata standards and service agreements.

Desired experience

A wide range of experience is required to develop a sustainable data citation concept, which is scalable and integrated and, at the same time, meets both data provider and data users' needs. We are therefore seeking:

- Experience as DataCite Member.
- Some familiarity with the relevant citation-related initiatives (e.g., Force11, ESIP, RDA, COPDESS, FAIR data).
- ESGF infrastructure background and knowledge about related CMIP6 infrastructure components like CMIP-CVs, ES-DOC, and Handle Service.
- Experience as a data citation provider and/or data citation consumer.
- Technical communication and moderation skills applicable to the climate science/data infrastructure domain, experience in dealing with transdisciplinary projects, working across cultures and time zones, understanding, and achieving diversity goals.

Task Team Objectives

The data citation service should be transformed into a sustainable, scalable, and better integrated service, which can be provided for projects upon request and meets provider and user needs.

Early TT objectives will be:

1. Prioritise requirements for CMIP7 and potential wider activities.
2. Identify stakeholders.
3. Define a maximum of three options for a future citation service.
4. Develop concepts, specify required services, and estimate costs (financial and human resource) for all options.
5. Carry out stakeholder engagement to determine the preferred option.
6. Develop an appropriate governance structure and process for establishment (e.g., Terms of Reference).

The implementation will be discussed and coordinated by the governance board.

Coordination with other CMIP TT, WCRP activities and wider stakeholders

Relevant stakeholders include the infrastructure partners; the WGCM Infrastructure Panel (WIP), ESGF2.0, ENES-RI, CDNOT and ESGF Data Nodes that are DataCite Members who have an interest in contributing to the data citation service.

Further relevant stakeholders are:

- Other CMIP Task Teams including Climate Forcings and Model Documentation.
- WCRP: WGCM, input4MIPs, obs4MIPs, CORDEX related to ESMO and RIfS, other Core Projects and Lighthouse Activities (e.g., Digital Earths).
- DataCite and relevant data citation initiatives.
- Climate services and other downstream users using CMIP data.

Time commitment

Meetings are expected to take place regularly, monthly in the initial phase, and then at the discretion of the TT 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 TT). TT members are expected to commit appropriate time to this activity, at around 5-10% FTE. Most meetings will be online, with some out-of-hours working required to the challenges of time zone coordination. It is envisioned that the timescale of this TT will be around 12-18 months.

Remuneration

These are not paid roles.

How to apply

Applications should be submitted via this form before 18:00 UTC on 19th September 2022.

Contact and further information

The point of contact for this TT is Martina Stockhause (stockhause@dkrz.de), DKRZ, Germany. Please contact the CMIP-IPO (cmip-ipo@esa.int) if you have any questions or require further information.