Project: **1088**
Project title: **DKRZ_MIP_Pool_Analysis**
Principal investigator: **Stephan Kindermann**
Report period: **2025-11-01 to 2026-10-31**

The DKRZ_MIP_Pool_Analysis project supported individual researchers with (smaller scale) data analysis activities closely related to the exploration of existing DKRZ data collections (accessible via /pool/data) with specific focus on the CMIP6 (and CORDEX) collections stored as part of the DKRZ consortial data project ik1017.

In the reporting period individual users and research teams with no pre-existing project allocation at DKRZ were supported to access the DKRZ data pool and perform small scale data analysis near to the data based on the DKRZ jupyterhub environment. This effort was informally coordinated at European level with similar efforts at IPSL (France), STFC (UK) and CMCC (Italy) to provide coordinated European support for CMIP related data analysis activities. The formal coordination of support services for CMIP related data analysis started mid 2026 with the European ENES-RISe project. Associated service activities will start beginning 2027 related resource usage is thus not yet reflected in this report.

Individual users were supported with a light weight (short term, small compute profile) access to analysis capabilities mostly via the DKRZ jupyter-hub installation (see https://is.enes.org/sdm-climate-analytics-data/). These users only need to pass a lightweight registration process and are reviewed and selected locally at DKRZ. Starting 2027 user selection will be overlooked by a selection panel established as part of ENES-RISe.

In the reporting period relatively few people were supported as part of this project and part of the compute allocation was unspent. This had the following reasons:

- no new CMIP7 is currently available via the data pool (ingest expected end of 2026, beginning of 2027 as part of the CAP7 project).
- existing CMIP data exploitation exploitation is currently hindered by the transition of the ESGF data infrastructure to a new version (called ESGF-NG) specifically targeting CMIP7 activities. The ESGF data infrastructure is used to search for data collections and also to replicate data collections from and to DKRZ.
- the envisioned usage to support user trainings in other projects (e.g. EXPECT) was lower then expected. The expected support was to provide participants of trainings and hackathons with some resources to finalize their work if needed as soon as their short term temporary user training accounts are deleted.
- many training activities are moved to when CMIP7 data is available and/or associated project funding is available (e.g. as part of ENES-RISe and FUTURA) and some were supported by dedicated project allocations (e.g. the EXPECT hackathon).
- service activities supporting interdisciplinary research as part of the European IRISCC and RI-Scale projects did not by now require dedicated user project allocations. This will change in 2027.
- No dedicated outreach for this service was organized during the reporting period. This will change in 2027 when the European coordination via the ENES-RISe project is fully established.