

## **Project CLMcom**

The Climate Limited-area Modelling Community (CLM-Community, [www.clm-community.eu](http://www.clm-community.eu)) is an open international network of scientists working in the area of regional climate modelling and climate change. The members of the CLM-Community develop the regional climate models COSMO-CLM and ICON-CLM (community models) together, apply the models for a wide range of applications and collaborate in scientific projects.

The community models are used on many different HPC systems all over the world, but the HPC systems at DKRZ have always been the most important place for common activities of the community members (e.g. test and evaluation of new model versions and setups, climate simulations for CORDEX, data exchange).

Thus, the CLM-Community has established a pool-data project at DKRZ to simplify the use and exchange of data that are relevant for model development, testing, common analysis and coordinated production of simulations (e.g. CORDEX) and need to be accessed by many community members.

Some of these datasets also need to be archived for a longer time period. This includes especially the full ERA5 boundary conditions for re-analysis driven evaluation simulations with COSMO-CLM and ICON-CLM, model results of reference simulations with recommended model set-ups and results of simulations that are conducted and published in the framework of (EURO-)CORDEX.

In the past, these datasets have been archived via personal and/or project accounts of different members of the CLM-Community. Starting in 2022, all the existing datasets and any new datasets should be archived in one single project to simplify the search for the data, gather everything in a central place and reduce the administrative overhead. This project homogenizes the data archiving in the CLM-Community in the same way as the /pool/data/CLMcom project homogenizes the data handling of the CLM-Community in DKRZ's /pool/data area.