

Project: **1149**

Project title: **CCLM2ESGF (COSMO-CLM/ICON-CLM to be published on ESGF)**

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Report period: **2022-09-01 to 2023-10-31**

All simulations from CORDEX-CORE and PRINCIPLES that have been produced by the CLM Community in the context of CORDEX – CMIP5 were published on ESGF until mid of 2021.

There was no activity in this project until October 2022, because no simulations with CMIP6 boundary conditions were completed and CMORized so far. The downscaling of CMIP6 simulations has started in the project NUKLEUS (DKRZ Project 1203) and the first simulations are completed.

It was unfortunately not possible to complete all postprocessing, quality assurance and standardization steps for the data produced in NUKLEUS so far. The data is therefore not yet ready for publication in the ESGF. The work will be completed in the next months and the data published via this project (1149) afterwards.

Even if no data is ready for publication yet, the resources of this project were very helpful as additional storage during the postprocessing and standardization procedure of the data.

Additional simulations that will be published via this project in the next year(s) are already planned. The UDAG project (Updating the data basis for adaptation to climate change in Germany, DKRZ Project 1364) has started in September 2023 and the start of the first simulations is scheduled for mid of 2024.

For the CLM Community, it would be very helpful to continue the established collaboration with DKRZ for the data publication on the ESGF via this project. More details on the simulations that should be published and the necessary amount of resources are provided in the allocation request for 2024.