

Project: **1088**

Project title: **DKRZ\_MIP\_Pool\_Analysis**

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Report period: **2020-01-01 to 2020-12-31**

*Text: maximum of two pages including figures.*

In 2020 two IS-ENES3 transnational access calls were completed, in which European research groups were able to apply for compute resources. Two research groups (one lead by ICHEC in Ireland and another lead by the Nansen Environmental and Remote Sensing Center and Bjerknes Center in Norway) successfully applied for DKRZ resources and were admitted to use compute as part of this project. Additionally different IPCC working group members got assigned to this project, to support their analysis activities.

Overall very few resources were actually used, because of several reasons listed below:

IS-ENES3 TNA service:

- All partners reported problems in their projects because of the impact of COVID
- researchers were mostly accessing the CMIP6 data pool interactively, thus requiring very few computational resources.

IPCC working groups:

- main use case was also to access the CMIP6 data pool interactively, thus taking advantage to have access to the large CMIP6 data collection at DKRZ

To improve the resource usage in 2021 several actions were taken:

- The outreach activities to new user groups was improved at a European level (joint activity of DKRZ, IPSL and STFC). New outreach material (documentation and example jupyter notebooks were developed, thus also advocating the the jupyterhub service at DKRZ)
- in 2021 the IS-ENES3 service activities will be restructured and extended (and formalized in a contract amendment):
  - new virtual access services will be provided (using jupyterhub as well as new processing web services)
  - resources will be reallocated from transnational access to virtual access provisioning, thus being able to more flexibly react on short term user needs (in contrast to the fixed allocation periods and associated application procedure needed for TNA services)