

Project: 169

Project title: Klimamodellierung mit dem Virtuellen Labor für Erdsystem Studien

Principal investigator: Ingo Kirchner

Report period: **2021-11-01 to 2022-08-31**

The three major topics of the project are

1. establish a gateway between education and HPC using the VAST platform (<https://vast.klimod.de>)
2. Support of PhD projects
3. testing and integration of ICON in the VAST system

During the reporting period the activities are influenced by the corona pandemic. The new login procedure at DKRZ makes it more complicated to work progressional. In addition the switch to the new system causes a lot of work for the installation of the working environment based on the ICON model. Due to all these factors in the modeling courses the DKRZ as compute host in the VAST system was not used active. In addition the ongoing PhD projects are in the post-final phase and no long experiments were performed. Therefore the amount of used resources was relative small, approx. half of the mistral node-hours (4000) were consumed until May/2022. On levante the production process was not steamed up until now.