

Project: **1115**

Project title: **Frontier Simulations for the Monsoon Region**

Principal investigator: **Sabine Brinkop**

Report period: **2021-05-01 to 2022-04-30**

Since the last regular request for computing resources in summer 2021, our available space on **/work** (mistral) was set to 8 TB, granted for analyses of our simulations. Because this storage space was rather small for the large amount of data we need to analyse, the WLA kindly granted us additional 48 TiB (48TiB+8TiB=56 TiB) for Levante Storage during the mid-term application in November 2021.

Levante went public only in March 2022 and the file retrieval from the archive (for the user group) was only activated relatively recently. Since then we started to load the tracer files from the frontier simulations from the archive via SLK onto Levante Storage. The file retrieve is still ongoing. We expect that we could start the analyses before the end of the reporting period.

**Please note:** We applied during the mid-term application process in November 2021 for tape storage **/hpss** on mistral, because we used more **/hpss** storage than originally granted. WLA kindly granted the requested storage, but the storage was assigned to Levante archive. Therefore, for mistral we still have a minus of 184 TB (168 TiB) in **/hpss**, but a corresponding plus in Levante archive of 204 TiB.

Upon request, we were told by DKRZ, that they had problems to transfer the accounting data from the old HPSS to the new HSM tapesystem and that there is no need to apply for additional archive for 07/2022 to 06/2023 as only the current accounting is relevant.

Mathematically, we have (204 TiB (Levante) - 168 TiB (MISTRAL)) = 37 TiB left until 06/2022 and we will use this storage to archive some of the analysis data.