



Virtual workshop on requirements for a fast and scalable evaluation workflow

BoG1: data storage and distribution

***18-19 May 2021
Barcelona***



- Come back to questions from previous presentations
- Users' experience:
 - download on demand
 - permanent storage
 - or cloud access

Most of the users use the same common platforms (Jasmin, DKRZ,...) to avoid issues with the difficult task of downloading the data.

Use of community tool for the download (synda, sproket, aria2c,...) but needs the knowledge
Solution: integrate the download in the recipe or make esmval able to generate data requests

- Data storage bottlenecks (space, speed)

space might be an issue for small institutes -> offer easy tool to download subset of the data
but common platforms are the solution

speed might not be a real data issue but more a software one



- Experience with asynchronous access (tapes/disk) - heterogeneous filesystems
 - tapes good better for backups
- Which portion of the raw data is used in the diagnostics? Are pre-processed data (spatial subsets, temporal aggregations) a solution to data issues?

- Results dissemination
 - Data and metadata standards needs
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