### **CASCADES** Data Management

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#### **DKRZ**

# Deutsches Klimarechenzentrum (German climate computing center)

## www.dkrz.de

"The German Climate Computing Center is a national service facility and a major partner for climate research. Our high performance computers, data storage and services form the central research infrastructure for simulation-based climate science in Germany."

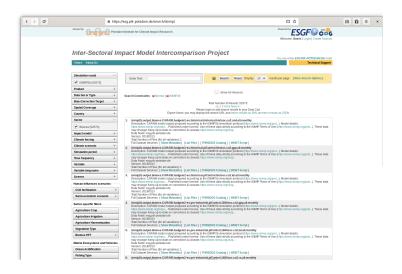
#### **DKRZ**

- provides infrastructure for data exchange (you upload your model output to DKRZ)
- provides storage space
- runs Linux (like all top 500 machines)
- sign up at https://luv.dkrz.de/accounts/newuser/ please contact us beforehand for details

#### Data work flow

- 1. upload your data to DKRZ
- 2. they will seemingly disappear, but in reality a test suite will perform quality checks
- 3. assign a DOI
- 4. data will be published on ESGF server

#### Data dissemination



https://esg.pik-potsdam.de/search/isimip/

#### Data dissemination

- all data will be made publically available eventually
- ESGF portal software provided by CMIP, a little bit clunky at times
- requires NetCDF file format
- NetCDF: sophisticated file format for gridded data, widely used in climate and impact science

#### Questions?

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