

Data Citation Service for CMIP6

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Concept:

The data citation service for CMIP6 includes a citation of for the dynamic CMIP6 data in the ESGF in addition to the established citation of the long-term archived IPCC-DDC (Data Distribution Centre) data using a DataCite DOI. A new data citation service is developed at DKRZ to meet this requirement.

ESGF Aspects:

The data citation service is critically dependent on version support within the ESGF incl. preserving metadata of all dataset versions. The integration of the service needs adaptation in the CoG portal and Search API for:

- display "Data Citation" link with underlying template and
- filter search results by specific "old" version or by past access date



User Access



Data User / Article Writer
Get Citation Information

Identification of early citations for dynamic data needs to support

- Filtering for Versions ≤ 20150101 , i.e. state of ESGF search request at given date incl. information on unpublished datasets and the
- Usage of portal functionalities to download selected datasets.

Resolve Data DOI

Data Reviewer / Article Reader
Access Data for Analysis

Early Citation of dynamic data include version / access date, e.g. Junglauss et al. (2013). CMIP5 Simulations of the Max Planck Institute for Meteorology (MPI-M) based on the MPI-ESM-LR Model: The Igm Experiment, served by ESGF. Version: v20150101. WDC. doi:10.1594/WDC/CMIP5.MXEP1g.

Access ESGF Data Link

Resolve Data DOI

Machine Access



Project or external catalogues
Harvest Citation Information

Register DOI and
Citation Information

- Why?** The Data Citation Service provides an additional ESGF user service reachable from ESGF CoG portal.
- When?** The timeline of the Data Citation Service is connected with the CMIP6 timeline: start in 2016.
- Perspective?** The Data Citation Service is funded by DKRZ and will be integrated in DKRZ's service infrastructure.

Concept:
M. Stockhause, F. Toussaint, M. Lautenschlager (2015): CMIP6 Data Citation and LTA. submitted as WIP white paper.
<http://www.earthsystemcog.org/projects/wip/resources>.

The ESGF implementation is coordinated by the ESGF-QCWT.



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