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Documentation of climate change data supporting cross-domain data reuse

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Climate change data and information is among those of the highest interest for cross-domain researchers, policy makers and the general public. Serving climate projection data to these diverse users requires detailed and accessible documentation.

Thus, the CMIP6 (Coupled Model Intercomparison Project Phase 6) data infrastructure consists not only of the ESGF (Earth System Grid Federation) as the data dissemination component but additionally of ES-DOC (Earth System Documentation) and the Citation Service for describing the provenance of the data. These services provide further information on the data creation process (experiments, models, ...) and data reuse (data references and licenses) and connect the data to other external resources like research papers.

The contribution will present documentation of the climate change workflow around the furtherInfoURL page serving as an entry point. The challenges are to collect quality-controlled information from the international research community in different infrastructure components and to display them seamlessly alongside on the furtherInfoURL page.

References / Links:

- CMIP6: <https://pcmdi.llnl.gov/CMIP6/>
- ES-DOC: <https://es-doc.org/>
- Citation Service: <http://cmip6cite.wdc-climate.de>