



CMIP6 Citation Services and the Data Services of the IPCC Data Distribution Centre for AR6

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As a result of the experiences from CMIP5 the two services contributed by DKRZ to the CMIP research infrastructure have been improved for CMIP6: the Citation Services and the Services of the IPCC Data Distribution Centre (DDC, <http://ipcc-data.org>).

1. Data Citation Services:

Within CMIP5 it took a couple of years before the data was citable with their DataCite DOIs. The DataCite DOI registration by the WDC Climate at DKRZ (World Data Center Climate at the Climate Computing Center) requires data transfer and long-term archival at DKRZ according to DDC's quality standards. Based on a request from WGCM (Working Group on Climate Models) an additional early citation possibility for the evolving CMIP6 data was added to the citation service (<http://cmip6cite.wdc-climate.de>).

2. IPCC DDC Services:

WDC Climate has been hosting the IPCC DDC's Reference Data Archive for the climate model output underlying the IPCC Assessment Reports (ARs) since the Second Assessment Report in 1995. One task of the DDC is the support of the IPCC Working Groups (WGs) and their authors. The WG support was not sufficient for AR5 resulting in WG I setting up and maintaining their own CMIP5 data repository hosting a data subset. The DDC will open DKRZ's CMIP data pool as an additional DDC service for the IPCC authors using a synergy with the interests of the national climate community.

Within the PICO the Citation and the IPCC DDC services will be presented from a user's perspective. The connections to and integration into the infrastructure for CMIP6 (see <https://www.earthsystemcog.org/projects/wip/>) will be explained.