

Data Citation Service for CMIP6

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Concept:

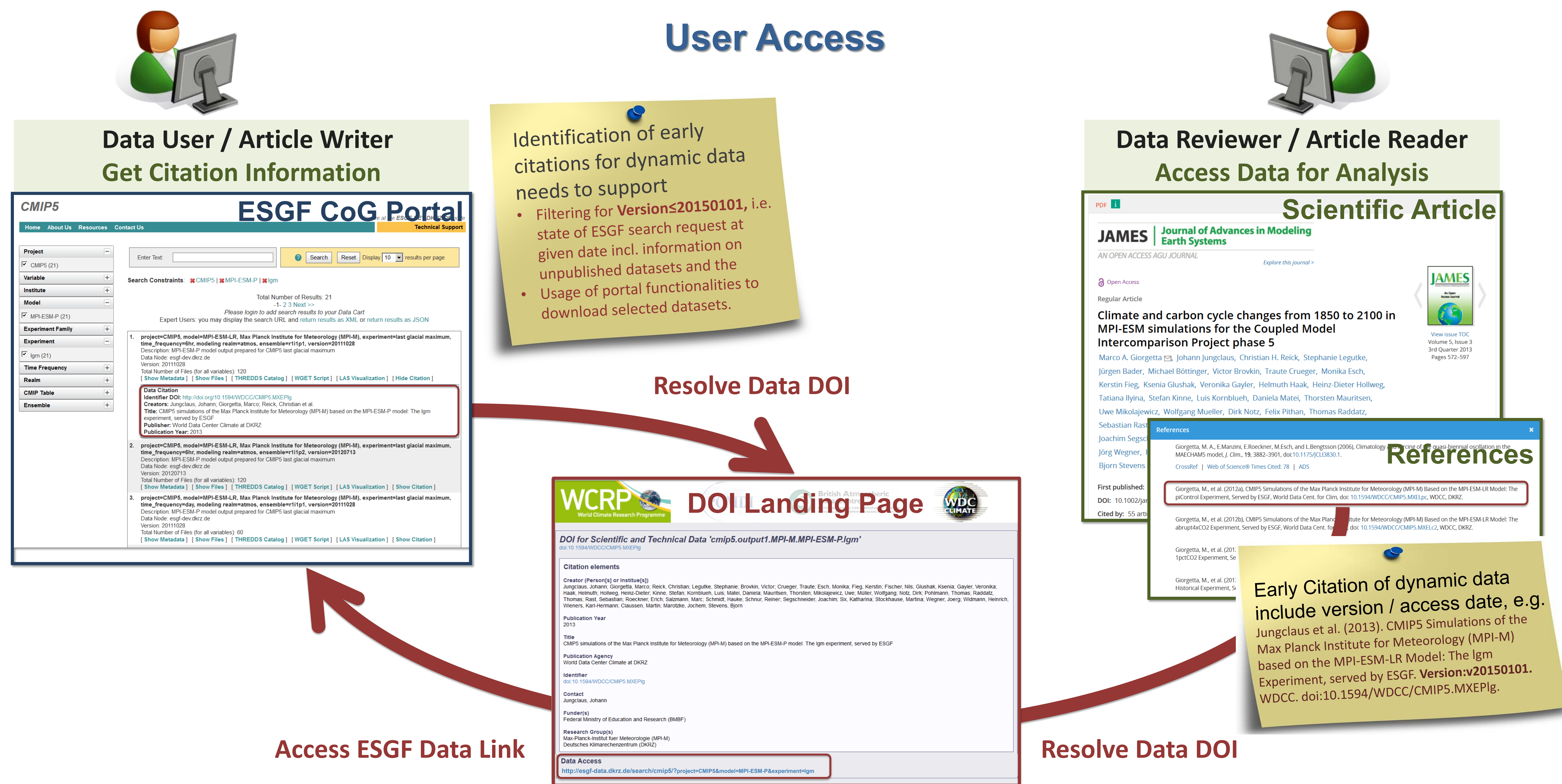
The data citation service for CMIP6 includes a citation of for the dynamic CMIP6 data in the ESGF in addition to the established citation of the long-term archived IPCC-DDC (Data Distribution Centre) data using a DataCite DOI .

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



Machine Access



Project or external catalogues
Harvest Citation Information

DataCite MD format

```
<?xml version="1.0" encoding="UTF-8"?>
<datacite xmlns="http://datacite.org/schema/kernel-1" http://schemas.datacite.org/meta/kernel-1.xsd>
  <identifier identifierType="DOI">10.1594/WDC/CMIP5.MXEP1g</identifier>
  <creators>
    <creator>
      <name>Junglauss, Johannes</name>
      <affiliation>Max Planck Institute for Meteorology</affiliation>
    </creator>
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      <name>Giering, Marco</name>
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      <name>Reich, Christian</name>
      <affiliation>Max Planck Institute for Meteorology</affiliation>
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  </titles>
  <publisher>World Data Center for Climate</publisher>
  <publicationYear>2013</publicationYear>
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    <subject>Climate Change</subject>
  </subjects>
  <formats>
    <format>CMIP5.MXEP1g</format>
  </formats>
  <url urlType="URL">http://esgf-data.dkrz.de/search/cmip5/?project=CMIP5&model=MPI-ESM-P&experiment=Igm</url>
</datacite>
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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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