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Title	Earth System Documentation (ES-DOC) Preparation for CMIP6

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Abstract

During the course of 2015 the Earth System Documentation (ES-DOC) project began its preparations for CMIP6 (Coupled Model Inter-comparison Project 6) by further extending the ES-DOC tooling eco-system in support of Earth System Model (ESM) documentation creation, search, viewing & comparison.

The ES-DOC online questionnaire, the ES-DOC desktop notebook, and the ES-DOC python toolkit will serve as multiple complementary pathways to generating CMIP6 documentation. It is envisaged that institutes will leverage these tools at different points of the CMIP6 life-cycle. Institutes will be particularly interested to know that the documentation burden will be either streamlined or completely automated.

As all the tools are tightly integrated with the ES-DOC web-service, institutes can be confident that the latency between documentation creation & publishing will be reduced to a minimum. Published documents will be viewable with the online ES-DOC viewer (accessible via citable URL's).

Model inter-comparison scenarios will be supported using the ES-DOC online comparator tool. The comparator is being extended to:

- Support comparison of both Model descriptions & Simulation runs;
- Greatly streamline the effort involved in compiling official tables.

The entire ES-DOC eco-system is open source and built upon open standards such as the Metafor Common Information Model (version 1 and 2).