

IS-ENES3 Milestone MS24/M6.3 **ENES ESM resources updated, RP2**

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ABSTRACT

The ENES Portal (<https://portal.enes.org>) “Models & Tool” pages have been updated according to the work plan in Task 1 of WP6/VA1. This milestone lists and describes the details the updates conducted in RP2 of IS-ENES3.



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Objectives

The ENES Portal (<https://portal.enes.org>) serves as a central landing point for services provided by IS-ENES3 around European Earth System Models (ESMs) and Software Tools. The “Models & Tools” section of the Portal gathers information around the individual models and tools, the groups developing the respective software, and the particular services offered by IS-ENES3. The main objective of the Portal is to provide enough information about the European ESM/Tool infrastructure to allow (potential) users to make actual use of the provided services.

Description of work

According to Task 1 in WP6/VA1, “Models & Tools” section of the ENES Portal (<https://portal.enes.org>) is to be updated frequently. Two major update rounds have been conducted in RP2, in September 2020 and November 2021. A number of minor updates have been implemented in between, when approached by modelling/tool groups or portal users.

Model pages updates:

Most of the pages with information about models, tools and groups have been updated. In many cases, the updates for the model pages are concerned with the CMIP6 version of the ESMs. For some of the groups/models, the structure of the pages have been adapted in that context. Contact information for the modelling and tool development groups have been updated for some cases. A new page has been created for the ESMValTool.

A detailed list of updated Models & Tools pages during RP2:

- Models & Tools
- Earth System Models and Modelling groups
- Support Services on Models and Tools
 - Support Services on Models and Tools
 - Support Contacts for Models and Tools
 - Trans-National Access: support for OASIS code coupler
 - Support Services for Earth System Models
- Software Tools
 - OASIS
 - Cylc
 - XIOS
 - ESMValTool
- NEMO
- Earth System Models and Modelling groups
 - CMCC

- CNRM-CERFACS
 - CNRM-ESM
 - CNRM-CM6-1 & CNRM-ESM2-1
 - CNRM-CM5
- EC-Earth
- IPSL
- MPI-M
- NCC
- UKMO-HC

Updated ES-DOC links

The links from the ENES Portal ESM pages to the corresponding ES-DOC descriptions provide an easy means for users to obtain detailed information about the CMIP6 configurations of the ESMs. Most of the ES-DOC links on the model pages have been updated during RP2, as information on ES-DOC became available. The full list of linked CMIP6 configurations is:

- CMCC-CM2-SR5
- CNRM-CM6-1, CNRM-ESM2-1
- EC-Earth3, EC-Earth3-Veg, EC-Earth3-AerChem, EC-Earth3-CC, EC-Earth3-LR, EC-Earth3-HR, EC-Earth3-Veg-LR, EC-Earth3-GrIS
- IPSL-CM6A-LR
- MPI-ESM1.2-HAM
- UKESM1-0-LL, HadGEM3-GC31-LL, HadGEM3-GC31-MM

Note that CMIP5 configurations are not listed above, as these model configurations have not been updated.

Next steps

The ENES Portal Models & Tool pages will be further updated in RP3. The pages will also be subject to an external review (D6.5) and input from this review will be included in updates and changes.