



IS-ENES3 Milestone M6.2

Reviewer for services appointed

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ABSTRACT

A review board is established for services on models and tools and given the task to report on the quality of the services offered. The board includes experts on ESMs and climate data management from the international community.



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1. Objectives

Establish a review board with the task to report on the quality of the services offered in the VA1 work-package.

2. Description of work: Methodology and Results

Building on previous work and structures established in the past two phases of IS-ENES, the IS-ENES3 VA1 service activity is maintaining, extending, and improving services around the main European ESMs, and the NEMO ocean model, and their respective development and user communities. The overarching objectives for all services are to give easy access to information, to provide interfaces between ESM developers and users, and to define processes (such as for feedback) for model development and usage. Beside the climate models, a number of critical infrastructure software tools have been identified in previous IS-ENES projects and by the community at large. VA1 provides access to, and services around, those components because they are crucial for the development and efficient use of climate models, as well as for the exploitation of climate model data.

A review board is needed for services on models and tools, with the task to report on the quality of the services offered. The board includes experts on ESMs and climate data management from the international community.

The VA1 review committee was formally set-up in June 2020 when Dr Paul Nolan and Dr Ingo Kirchner formally accepted to act as reviewer of the services on climate models, components and tools offered by WP6/VA1.

Dr Paul Nolan has lectured on Climate Dynamics and Mathematics at University College and Trinity College Dublin for over six years before joining the Irish center for high end computing (ICHEC) in March

2013. He is currently managing four Environmental Protection Agency/Geological Survey Ireland projects in the areas of modelling the present and future climate of Ireland.

Dr Ingo Kirchner is scientist and lecturer on Meteorology at the Free University of Berlin since 2003. He is involved in e-learning, climate modelling and information technologies.

Both agreed to produce two reviews of the VA1 services, one at the end of November 2020 and one in April 2022.

The invitation letter is given in appendix.

Appendix

Invitation letter to review services offered by the IS-ENES3 European project

Dear Dr ... ,

As you may know, IS-ENES (<http://is.enes.org>) is the infrastructure for Earth System modelling in Europe. IS-ENES has been supported by EC through two phases (2009-2013-2017) and is now in its third phase, IS-ENES3 (2020-2023). IS-ENES offers different services on climate models, components and tools (WP6/VA1) and on data and meta-data (WP7/VA2). I would like here to ask if you would be willing to review the first category of services offered within WP6/VA1 on climate models, components and tools. More specifically WP6/VA1 expands IS-ENES2 services covering a wider range of services on models. VA1 offers, for all 7 European CMIP6 models, expert contacts to answer specific questions on models (level 1 service). Going further, a higher-level service is offered for 3 European models, in the form of up-to-date model versions and associated documentation together with essential functional communication channels between model users and developers. (level 2 service). Additional services on components (NEMO) and tools (coupler OASIS, workflow engine CycL, IO server XIOS and post-processing tools CDO and ESMValTool) are continued and upgraded with new releases.

The remit of the Committee is to report on the services offered. Through the ENES web portal and through statistics provided by the service WP leaders (1st and 2nd period reports), the review will help assess the visibility, accessibility, quality and usefulness of the services offered. The review is also expected to make suggestions for improvements. Two reports are expected during the course of the project, one at month 24 (i.e. December 2020) and one at month 40 (i.e. April 2022). More specifically, the reviewers could:

- Assess the level 1 service on ESMs, i.e. verify that ES-DOC metadata is available for all European ESMs through the ENES portal and that the contact identified for the different ESM is reachable and replies to specific questions on the use of CMIP6 model output (see <https://portal.enes.org/models/earthsystem-models>);
- Interact with at least one group having received level 2 services on one particular ESM or Advanced Users Service on one particular tool and get their feedback on the quality of the help received;
- Surf on the NEMO, OASIS, CycL, XIOS ESMValTool and CDO web sites and report on the information and help a user can get directly on these websites (documentation, tutorial, FAQs, user forums) or via contacts identified on these sites providing additional user support

Your report is expected during the course of the project, at the end of November 2020. Reviews will be done remotely and we will start the process with a teleconference meeting beginning of October 2020. Such tasks are never easy to fit in an overloaded agenda and therefore I thank you very much for considering this invitation. I am looking forward to hear from you, hoping that this invitation will give us the opportunity to meet or interact with you in the near future.

Sincerely yours,

Sylvie JOUSSAUME,
IS-ENES Principal Investigator and ENES Chair