Call announcement for a Cylc Dedicated User Support

ESiWACE2 2nd call for applicants – 2022

Within the ESiWACE2 H2020 European infrastructure project, WP 3 « HPC services to prepare the weather and climate community for the pre-Exascale » provides services to improve performance and portability of climate codes with respect to existing and upcoming tier1 and tier0 computers. In this context,

we provide dedicated TECHNICAL help to design, upgrade or enhance the implementation of Cylc in your model workflow.

Cylc is a general-purpose workflow engine that orchestrates cycling workflows very efficiently. It was designed for use in production weather, climate, and environmental forecasting systems, but it is not specialized to those domains and is agnostic to the applications it manages.

For the second year, one Dedicated User Support will be offered consisting of 3 person-months effort. Provided by the UK Met Office, this service is open to any weather/climate research laboratory in Europe. The service will consist of remote dedicated support (an on-site visit may be considered depending on the circumstances but should not be assumed). The support could include, for example, help with Cylc installation, user training and/or workflow design and optimisation. The granted applicant will only have to give the Cylc support team appropriate access to its codes and computing platforms. All other costs are covered by the project.

This service excludes the *scientific* analysis and evaluation of the workflow outputs.

To apply:

Briefly describe your project and your needs filling the questionnaire "Description of your Cylc project" (5 pages maximum).
Send your questionnaire to Sophie Valcke (**sophie.valcke[a]cerfacs.fr**).

The deadline for this 1st call for applicants is March 31st, 2022.

Evaluation criteria:

- Potential of the resulting workflows to be used on pre-Exascale machines, e.g. what advantages is the use of Cylc expected to offer?

- Quality of the methodology proposed

- Expected scientific impact of the resulting workflows and their long-term support by the applicant group

- Potential of the project to result in long term use of Cylc for a wide range of applications and for a large user community

A technical review of the application will be performed by the service providers and the final selection will be made by a board formed by 2 ESiWACE2 partners and 1 external member. The institution selected will be notified by the end of April 2022.