

Dear Sir/Madam,

I'm working in the Computational Earth Sciences group at the Earth Science department at Barcelona Supercomputer Center as a Sr software research engineer. My team is very diverse. I am knowledgeable in data assimilation and earth science and HPC. I have a Master's degree in computer science and in my final work project I developed a data assimilation cycle. I worked in the Earth Science Department at BSC since 2017.

In my role I'm on charge of developing the templates and libraries to be used by the workflow manager as well I'm responsible to keep the software running. Also, I'm a permanent member of the Model and workflows team and in the technical working group of the EC-Earth consortium. We work in an agile context running weekly tests, integrating functionalities and improvements to keep the software running also we perform code review.

About the software: EC-Earth climate model combines in MPMD way tree or more components using OASIS coupler. We deploy it in several HPC machines: ECMWF CCA HPC, Marenostrum 4, etc.

We starting to explore the containerization of the model.

For all that I explained previously, I think the content of this course will be very useful for my professional development and a benefit for the project.

Yours faithfully,  
Pablo Echevarria