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This letter concerns ESiWACE2 Summer School on Effective HPC for Climate and Weather.

I've been working at the Met Office as a Scientific Software Engineer for five years. As a member of CRUM team, I provide support for climate model users, work on models coupling and re-gridding weights generation. My development work is mainly with NEMO model, I'm member of NEMO system team and NEMO HPC optimization group. At the Met Office I'm also involved in Next Generation Modelling System projects – coupling and marine systems.

a) Project: NEMO SETTE test in containers

The aim of the project is to put one of the NEMO SETTE (standard) test into containers, using one of the methodologies discussed during the school.

NEMO (Nucleus for European Modelling of the Ocean) is a community ocean model used for research, weather prediction and climate simulations. The code comes with standard tests, relatively easy to build and run. One of the tests can be put into containers to investigate if running the code in containers have any impact on test results and optionally on model performance. This, practical activity, may be treated as a tutorial on how to encapsulate a quite complex model in containers and how to run it.

b) Information dissemination

After Summer school I will write a report from what I learned and upload it on my Twiki page, together with the links to a presentation available from the school. This information will be accessible for MetOffice employees visiting my twiki. Because I'm involved in many different projects at the MetOffice I'm confident the information I gather during the school will help me in my future work not only as a code developer, but also as a reviewer of the changes made by other developers.

Met Office also has discussion forums on different subjects, in which I participate. Those forums aim to share information and search for solution of problems users encounter during the work. The new knowledge from the school shall help me engage more in the discussions on those forums and provide help for other Met Office employees in their work.