Performance Optimisation and Productivity
A Centre of Excellence in HPC

POP Newsletter 29 – Issue September 2025

Welcome to the 29th newsletter from the EU POP Centre of Excellence.

In this edition, we give you an overview of recent and upcoming POP webinars and events, as well as two Tool Time articles.

If you would like to contribute technical content for this newsletter on the topic of parallel performance profiling, please contact us at pop@bsc.es.

This issue includes:

For past editions of the newsletter, see the POP newsletter web page.

POP Webinars

Upcoming Webinars

36th POP Webinar – Scalable Visualization of Nsight System Traces with Paraver

Join us on the 10th of October at 3 pm

Marc Clascà Ramírez is going to explain how you can gain additional performance insight from Nvidia nsys traces with Paraver, by translating them with our tool nsys2prv.

Watch the recording and find out more here.

Recent Webinars

35th POP Webinar – PyOMP: Writing HPC code in Python

On the 7th of July Tim Mutton presented PyOMP, which uses the Numba just intime compiler to embed the most popular parallel programming language (OpenMP) into Python. PyOMP works for both CPUs and GPUs and supports true heterogeneous programming.

Watch the recording and find out more here.

Browse the full list and catch up on all our previous webinars here.

POP Events

Recent Events

POP @ EuroHPC UserDay 2025

From the 30th of September to the 1st of October HPC experts came together in Copenhagen, Denmark, for the EuroHPC User Days 2025. POP expert Marta Garcia were in Denmark to represent the POP Consortium informing users what POP can do for them.

Tool Time

Instrumenting Codes using the Fortran 2008 MPI Bindings with Score-P

This article describes the recent changes to Score-P, which mean is can instrument codes that use MPI's Fortran 2008 bindings and the requirements to use this most recent version on your code.

For more details read the full article here.

Automated POP Metrics with cube_pop_metrics and POPAdvisor

In High-Performance Computing (HPC), understanding and optimizing the efficiency of parallel applications is a fundamental challenge. In this article we highlight two key tools offered by the CubeGUI framework: POPAdvisor and cube_pop_metrics. They are part of the suite of tools offered by the POP Centre of Excellence to help code developers optimise their code efficiency.

To read the complete article click here.

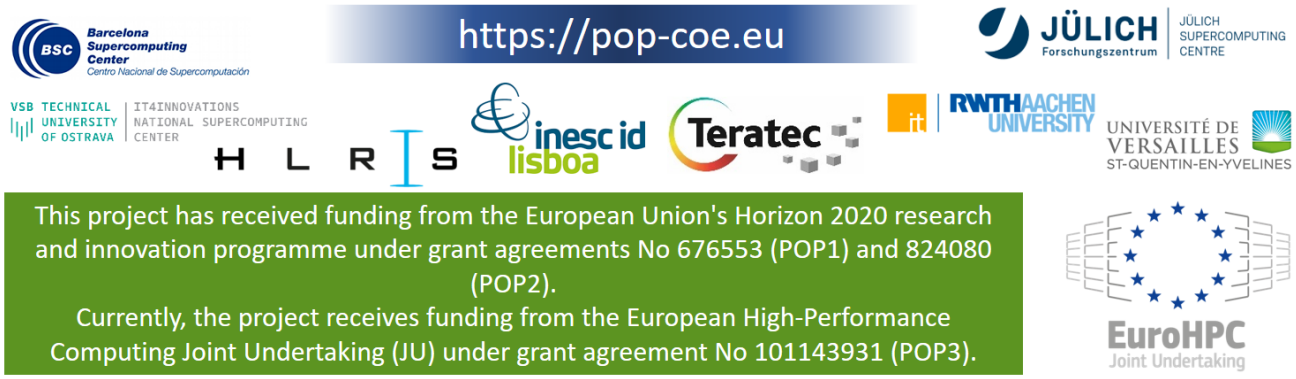
Apply For Free Help with Code Optimisation

We offer a range of free services designed to help EU organisations improve the performance of parallel software. If you are not getting the performance you need from parallel software or would like to review the performance of a parallel code, please apply for help via the short Service Request Form, or email us to discuss the service further and how it can be beneficial.

These services are funded by the EuroHPC research and innovation programme so there is no direct cost to our users.

The POP Helpdesk

Past and present POP users are eligible to use our email helpdesk. Please contact our team of experts for help analysing code changes, to discuss your next steps and to ask questions about your parallel performance optimisation.



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreements No 676553 (POP1) and 824080 (POP2).
Currently, the project receives funding from the European High-Performance Computing Joint Undertaking (JU) under grant agreement No 101143931 (POP3).