



EPICURE

High Level Specialised Application Support Service in HPC

Motivation

- EuroHPC JU supercomputing platform provides various HPC architectures
- To get the best performance the scientific applications must be
 - Ported to the specific supercomputing architectures
 - Optimised for these architectures
- Unfortunately, the existing support teams at the EuroHPC JU hosting sites are too small to be able to deal with no. of applications required by users

Mission

To establish a systematic way to help researchers benefit from EuroHPC JU supercomputing platforms

Main goals:

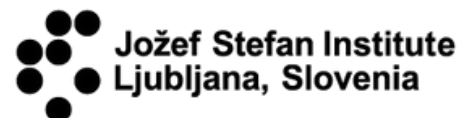
- Gather existing knowledge by bringing together the Application Support Teams of current and future EuroHPC JU hosting sites
- Port users' applications to the EuroHPC JU supercomputer's architectures
- Benchmark the applications codes and analyse their performance
- Optimise the applications for the best efficiency
- Help users to scale out their scientific problems

Support activities

- Close cooperation with users at every step of application/scientific problem optimisation – **we do need your help!**
- Dedicated trainings related to code optimisation
- Specialised workshops/hackathons related to code optimisation and/or scaling out scientific problems
- Close cooperation with European Centres of Excellence in HPC, if you require specific features from the code developed/optimised by a CoE

Consortium

The EPICURE project consortium consists of 16 partners from 14 countries:



EPICURE

We have just started...

- Project duration: 4 years since 1.02.2024
- The first workshop is planned for this Spring
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