EPICURE
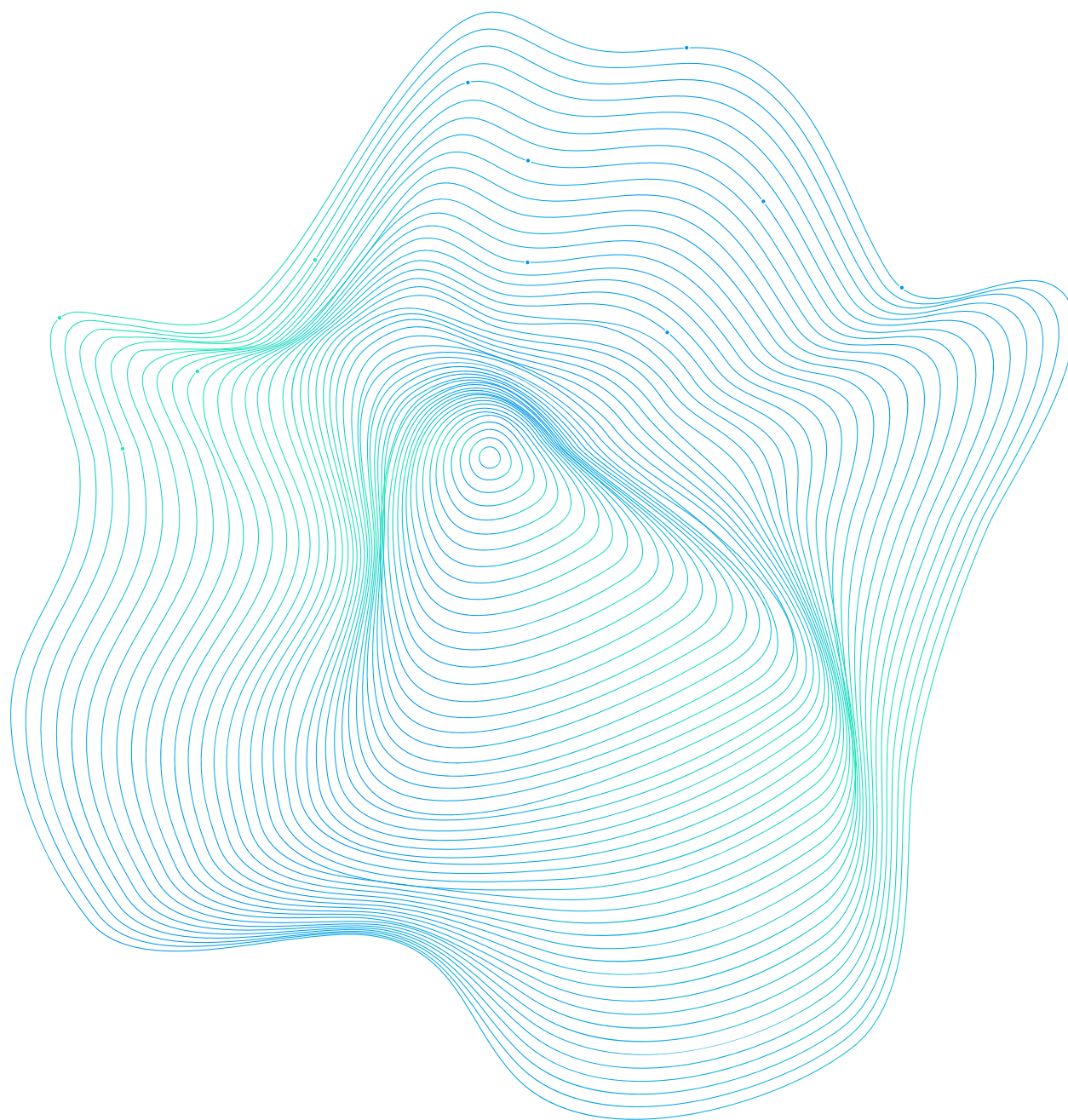Unlocking European-level HPC Support

High-level Specialised Application Support Service in High-Performance Computing

UNLOCKING EUROPEAN-LEVEL HPC SUPPORT
HIGH-LEVEL SPECIALISED APPLICATION SUPPORT SERVICE IN HIGH-PERFORMANCE COMPUTING

The **High-level Specialised Application Support Service in High-Performance Computing The EuroHPC Application Support Project** (EPICURE) draws on the experience and knowledge of the current and future EuroHPC supercomputer hosting organisations to provide users with **Level 2** and **Level 3** support services, with a more technical component than previously available, over a period of 3 to 18 months.

Services provided by the EPICURE include code activation and scaling, performance analysis and benchmarking, code refactoring and code optimisation.

In order to promote the exchange of knowledge, the project will also organize architecture specific **trainings**, hackathons, webinars and workshops in several EU countries.

CSC – IT Center for Science (Finland) is the Coordinator of the EPICURE consortium, which includes 16 partners from 14 different countries. EPICURE has been funded by 10 million euros in collaboration with EuroHPC and the European Union as part of the Digital Europe Program (DIGITAL).

OBJECTIVES

To establish a four-year operation of a distributed European-wide high-performance computing application support service bringing together Application Support Teams (ASTs);

To reach a large pool of EuroHPC users;

To develop a European HPC Application Support portal;

To contribute to the development and improvement of the European HPC Application Support Service;

To collaborate with the Centers of Excellence for the development of a HPC skilled workforce.

EXPECTED OUTCOMES

By the end of the project, the consortium will be able to provide a wide range of smooth and effective support services across all the EuroHPC JU centers available. This will be based on the **lessons learned** and on the work done throughout the project.

The division of the support work in different work packages, based on the length as well as the support level (Level 2 and 3), will increase the possibility to better understand the **needs of the user-base** (including SMEs). The overall technical coordination, provided by WP4, will enhance these results and further coordinates the work with both CoEs and the EuroHPC JU peer review office.

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