

pracelab 2

Cooperation on Advanced Computing
in Europe

RENDERING
VISUALISATION

PARALLEL
PROCESSING

BIGDATA
ANALYTICS

ARTIFICIAL
INTELLIGENCE

QUANTUM
COMPUTING



THE MISSION

The main goal of the PRACE-LAB2 project is to deliver highly-specialized computer architectures for grant challenges supported by **AI and big data analysis**.

The overall purpose is to secure the position of Polish companies on the European and global market by supporting and **encouraging the development** of path-breaking solutions in partnership with the private sector, with particular emphasis on SMEs.



EUROPEAN INNOVATION

These goals will be achieved thanks to fulfilling one of the core challenges of the Europe of Innovation program in the **European Research Area (ERA)** with postulates of the **ESFRI committee** regarding the integration of research infrastructure (IB) and ICT infrastructure, as well the **Horizon 2020** Framework Program's development guidelines for highest-class new research infrastructures.



INFRASTRUCTURE FOR COMPLEX PROBLEMS

The project's future infrastructure will solve complex problems such as analysis of large data volumes, applications using elements of artificial intelligence (AI) and machine learning, as well as **quantum computing simulations**.

The PRACE-LAB2 project will support Polish science and economy, especially innovations, and focus on providing **high-technology cloud and container solutions** as well new services such as **HPCaaS** (HPC as a Service).



EXPERIENCE FOR SCIENCE

The PRACE-LAB2 project is a consortium of highly qualified **Polish research units** with many **years of experience** in the high-power computers. Thanks to the vast knowledge and support of a competent team, it is possible to provide **high reliability services** and fulfill project's ambitious goals.

Learn more at www.prace-lab2.pl

Project partners

