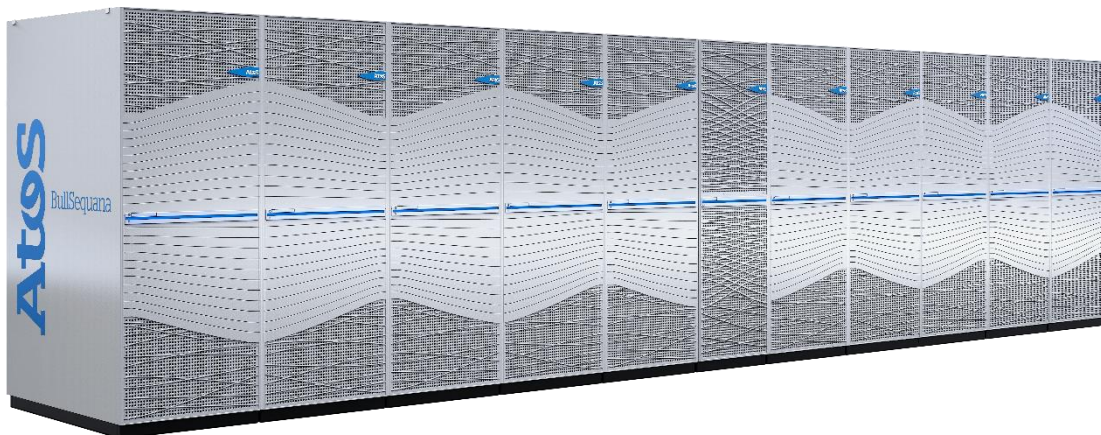


Accepting day for Vega, the first new EuroHPC supercomputer delivered

23rd March 2021

Vega, the new petascale EuroHPC infrastructure partly financed by the European High Performance Computing Joint Undertaking and hosted by the Institute of Information Science in Maribor will be operational in April.



Today, the EuroHPC world-class supercomputer Vega was officially delivered. The European High Performance Computing Joint Undertaking (EuroHPC JU) and the Institute of Information Science in Maribor Slovenia (IZUM) signed the acceptance document, after the vendor Atos completed the construction of the system.

Mr. Anders Dam Jensen, the EuroHPC JU Executive Director said:

“I am delighted that we have reached this milestone with our Slovenian partners. The first EuroHPC petascale computer is now build, we have signed the acceptance protocol and paid the last invoice. The machine has already successfully completed its benchmarks. Other tests will be performed in the coming days to fine tune the system and connections with users. Everything is on schedule to have the first fully operational EuroHPC system in April.”

Dr. Aleš Bošnjak, Director of IZUM, added:

“With the start-up of Vega, the largest supercomputer in Slovenia, we have, as a part of the HPC RIVR operation and with a substantial own investment, acquired Slovenia’s largest research infrastructure, which is important for our research projects, the development of science and economy. With the European High-Performance Computing Joint Undertaking (EuroHPC JU) recognising IZUM's potential in close cooperation with the Slovenian National Supercomputing Network SLING, Slovenia has become a part of the European initiative for a World Class Supercomputing Ecosystem in Europe. The Vega supercomputer will enable both Slovenian and other European researchers to cooperate in large international research projects and additionally accelerate the use of supercomputing capacities in Slovenia. I would like to take this opportunity to thank everyone who made the realisation of this project possible.”

The first complete HPC of the five petascale supercomputers planned is the Atos BullSequana XH2000 infrastructure called ‘Vega’. It can execute more than 6.9 Petaflops or 6.8 million billion calculations per second.

Named after a Slovenian mathematician Jurij Vega, the supercomputer will foster open science and enhance research and innovation in Europe. From April, it will provide leading edge HPC infrastructures and services to a wide range of users. Vega will support the development of leading scientific, public sector and industrial applications in many domains, specifically including machine learning, artificial intelligence, and high-performance data analytics.

The Vega project is a joint investment of 17.2 million EUR in total. The project is 65.8% funded by the European Union through the European Regional Development Fund and the Ministry of Education, Science and Sport of the Republic of Slovenia, and 34.2% by the EuroHPC Joint Undertaking.

Background

The [procurement](#) contract of Vega was signed on 1 October 2020 by the EuroHPC JU, the Slovenian [IZUM](#), the hosting entity, and Atos, the selected vendor.

The company [Atos](#) was selected following a [call for tender](#) launched in April 2020.

The computing power of Vega will soon be complemented by four additional EuroHPC petascale supercomputers to be built in the following supercomputing centres:

- [LuxProvide](#), Luxembourg
- [Sofiatech](#), Bulgaria
- [IT4Innovations National Supercomputing Centre](#), Czech Republic
- [Minho Advanced Computing Centre](#) (MACC), Portugal,

and three EuroHPC pre-exascale supercomputers located at the following supercomputing centres:

- [CSC](#) – IT Center for Science, Finland
- [CINECA](#), Italy
- [Barcelona Supercomputing Centre](#), Spain.

More information

- Technical specifications of the new system in this [dedicated section](#) of our website.