

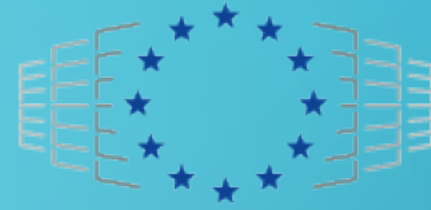
EuroHPC
Joint Undertaking

EUROHPC JU: SUPPORTING THE EUROPEAN HPC APPLICATION ECOSYSTEM

FIRST INTERNATIONAL WORKSHOP ON READINESS OF HPC EXTREME-SCALE
APPLICATIONS

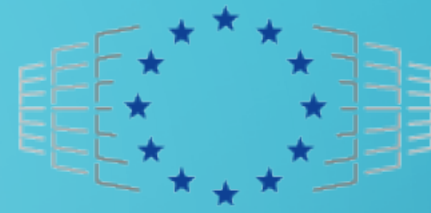
ISC-HPC 2024

HAMBURG, MAY 16TH



- An EU body & a legal and funding entity
- Created in 2018 and autonomous since September 2020
- Based in Luxembourg
- A team of 35 employees, still in the process of recruiting additional employees throughout 2023

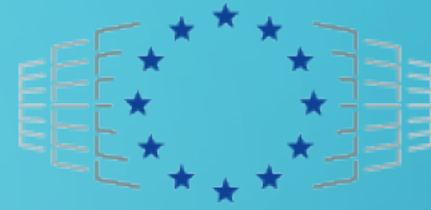
OUR MISSION AND FUNDING



EuroHPC
Joint Undertaking

- Develop, deploy, extend & maintain a world-leading supercomputing, quantum computing, service & data infrastructure ecosystem in Europe
- Support the development of innovative supercomputing components, technologies, knowledge & applications to underpin a competitive European supply chain
- Widen the use of HPC & quantum infrastructures to a large number of public & private users wherever they are located in Europe and supporting the development of key HPC skills for European science and industry
- The EuroHPC Joint Undertaking is jointly funded by its members with a budget of around EUR 7 billion for the period 2021-2027.

OUR MEMBERS



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- 35 participating countries
- The European Union (represented by the European Commission)
- 3 private partners

Each of our members is represented in the EuroHPC JU's Governing Board

The Governing Board also takes advice from the EuroHPC Industrial and Scientific Advisory Board (INFRAG & RIAG)

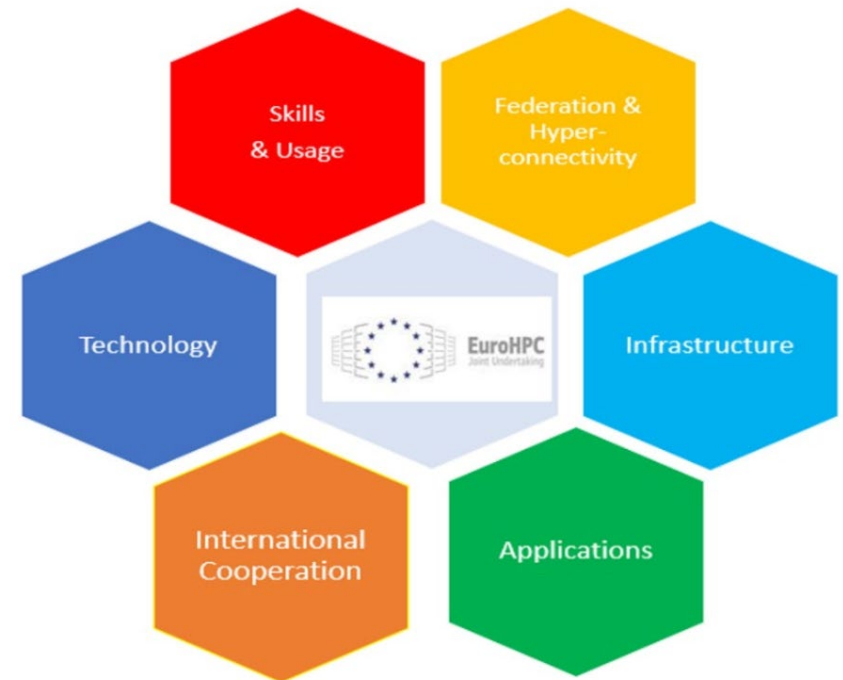


PILLARS OF ACTION (REGULATION 2021/1173)



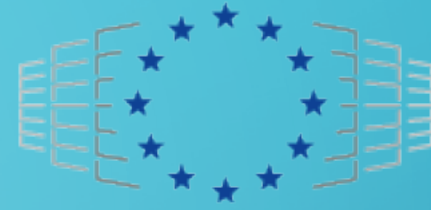
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- Followed by the work program
- Update of Regulation underway¹
- Applications + technology



1: [HTTPS://DIGITAL-STRATEGY.EC.EUROPA.EU/EN/LIBRARY/PROPOSAL-REGULATION-AMENDING-REGULATION-EU-2021-1173-REGARDS-EUROHPC-INITIATIVE-START-UPS-BOOST](https://digital-strategy.ec.europa.eu/en/library/proposal-regulation-amending-regulation-eu-2021-1173-regards-eurohpc-initiative-start-ups-boost)

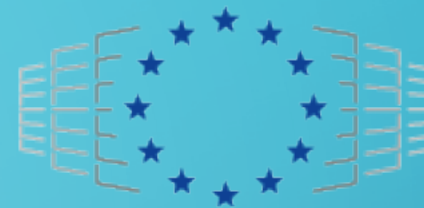
OUTLOOK AND DISCUSSION



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- Current challenges (domain-specific and cross cutting)
- Software management
- Future directions

THANKS



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#EuroHPC Joint Undertaking

The European High Performance Computing Joint Undertaking (EuroHPC JU) will pool European resources to develop top-of-the range exascale supercomputers for processing big data, based on competitive European technology.

Member countries are Austria, Belgium, Bulgaria, Croatia, Cyprus, Czechia, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Türkiye and United Kingdom.



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