# EuroHPC AI Factories and Access Calls

## AI Factories

AI Factories are specialised ecosystems designed to support the widespread adoption and development of artificial intelligence technologies across Europe. Central to these ecosystems are high-performance computing (HPC) facilities equipped specifically for AI workloads, including generative AI models and complex data processing tasks. These factories provide the necessary infrastructure and computing capabilities to accelerate AI research, facilitate experimentation, and enable industrial-scale deployment of AI solutions, promoting competitive advantages for European industries in global markets. More info on AI Factories can he found here.

## AI Factories Access Modes

The AI Factories Industrial Innovation track includes three access mode, targeting different use cases and compute needs. Different access modes and types are available to meet the needs of users with different levels of requirements and expertise.

- **Playground access**, providing limited resources for entry-level users.
- **Fast Lane access**, for users already familiar with HPC requiring up to 50,000 GPU hours.
- **Large Scale access**, catering to AI models and applications requiring more than 50,000 GPU hours.

The Industrial Innovation Access modes are open and free-of-charge to AI SMEs (including startups) for innovation purposes. Other industrial applications can benefit from pay-per-use commercial access.

## AI for Science and Collaborative Projects

The AI for Science and Collaborative EU Projects access mode will support AI applications for science, with a focus on ethical Artificial Intelligence, Machine Learning, and cutting-edge foundation Models and Generative AI, including Large Language Models. This mode is intended for scientific research activities that rely on AI models as part of their research workflow.
This access mode is open and free of charge to eligible public and private users, primarily for publicly funded research, as well as for industrial applications in collaborative projects which are funded by Horizon Europe or the Digital Europe Programme

## Other Supercomputing Access Modes

Applying for computing time on EuroHPC supercomputers offers researchers access to Europe's leading supercomputing resources, enhancing research across diverse projects and domains. These top-tier technologies and capacities are available free of charge through EuroHPC Access Calls to applicants from any country associated with Horizon 2020 (Switzerland was associated to H2020). The application process is efficient, with continuous cut-offs and rapid proposal evaluations. Access is free of charge.

- Regular Access Mode
- Extreme Scale Access Mode
- Benchmark Access
- Development Access


***Further Details/ Contacts***

Timothy Llewellynn
Marianna Fighera

National Contact Points Digital
(Cluster4 Digital)
digital@euresearch.ch
+41 31 380 60 18


The **EuroHPC JU AI Factory Access Call** is designed to support industrial innovation and serve industry organisations, **small to medium enterprises (SMEs), startups**, requiring access to supercomputing resources to perform artificial intelligence and data intensive activities.

AI Factories aim to offer advanced computing resources and expert support to European industry and scientific communities. These facilities will enable the development of large-scale AI models, foster the adoption of AI technologies across the EU, and contribute to building skills and expertise in the field of artificial intelligence.

**Note: For EuroHPC JU AI Factory Access Calls utilising pre-Exascale supercomputers funded by the H2020 program, Switzerland can participate as an H2020 associated partner.**

**General Conditions for Access**
Relevant participation conditions are described in the call documents and summarised here:

- the organisation is **established or located in a country associated to Horizon 2020**;
- the **Principal Investigator** has an **employment contract in the organisation** at the time of proposal submission and **valid for at least 3 months after the end of the allocation period;**
- for what concerns access to commercial companies and Small and Medium Enterprises (SMEs), the relevant **Horizon 2020 rules of participation shall be applied;**
- **other conditions** such as reporting or civilian application purpose may be applied in the specific access calls based on industrial innovation and scientific policies**.**

**Call Documents and Application Process**
The information provided by Euresearch is not of a legal or advisory nature and no responsibility is accepted for the results of any actions made on its basis. Official call documents can be found on the EuroHPC JU website: EuroHPC JU

## R&I Open Calls under Horizon Europe

| Topic Identifier | Topic Title | Type of Action | Overall Status | Deadline Model | Deadline | Overall EU Budget | Expected Projects |
|---|---|---|---|---|---|---|---|
| HORIZON-JU-EU-ROHPC-2024-BENCH-MARK-05-01 | A European HPC-centric Benchmarking Framework | HORIZON-RIA | Open | 1S | 14 April 2026 17:00:00 Brussels time | 1,000,000 € | 1 |
| HORIZON-JU-EU-ROHPC-2024-BENCH-MARK-05-02 | A European Benchmarking Framework for hybrid quantum-classical computing | HORIZON-RIA | Open | 1S | 14 April 2026 17:00:00 Brussels time | 1,000,000 € | 1 |