Get Access to Compute Time on EuroHPC Supercomputers for Data Intensive and Ethical AI Research

**Overview**

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.

**Computing Resources Available**

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>SITE</th>
<th>PARTITION</th>
<th>FIXED ALLOCATION **</th>
</tr>
</thead>
<tbody>
<tr>
<td>MN5</td>
<td>BSC (ES)</td>
<td>MNS ACC</td>
<td>32000</td>
</tr>
<tr>
<td>LEO</td>
<td>CINECA (IT)</td>
<td>Leonardo Booster</td>
<td>50000</td>
</tr>
<tr>
<td>LUMI</td>
<td>CSC (FI)</td>
<td>LUMI-G</td>
<td>35000</td>
</tr>
<tr>
<td>MELUXINA</td>
<td>LuxProvide (LU)</td>
<td>MeluXina GPU</td>
<td>25000</td>
</tr>
<tr>
<td>KAROLINA</td>
<td>IT4I VSB-TUO (CZ)</td>
<td>Karolina GPU</td>
<td>7500</td>
</tr>
<tr>
<td>VEGA</td>
<td>IZUM Maribor (SI)</td>
<td>Vega GPU</td>
<td>7100</td>
</tr>
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</table>

*The above EuroHPC systems are sorted in order to show the last available system that entered production. **The resources are displayed in node hours.

The EuroHPC JU AI and Data-Intensive Applications Access Call aims to support ethical artificial intelligence, machine learning, and in general, data-intensive applications, with a particular focus on foundation models and generative AI (e.g. large language models).

The EuroHPC Access Call documents collectively provide comprehensive information about applying for high-performance computing resources through the EuroHPC Joint Undertaking. They detail the types of access available, eligibility criteria, application and evaluation processes, resource allocation, and support services.

**Technical Information**

For more technical details on the supercomputers, you can visit the documentation pages provided by the hosting entities on the petascale systems Vega, Karolina, MeluXina, and on the pre-exascale systems LUMI, Leonardo, and MareNostrum5, available for this call.

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The EuroHPC JU AI and Data-Intensive Applications Access Call is designed to serve industry organisations, small to medium enterprises (SMEs), startups, as well as public sector entities, requiring access to supercomputing resources to perform artificial intelligence and data intensive activities.

Important Note: Legal entities based in Switzerland can not participate in the EuroHPC JU R&I calls funded under Horizon Europe. However, for EuroHPC JU Access Calls utilising pre-Exascale supercomputers funded by the H2020 program, Switzerland can participate as an H2020 associated partner.
Conditions for Access

Access is free of charge. 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; and
- for what concerns access to commercial companies and Small and Medium Enterprises (SMEs), the relevant Horizon 2020 rules of participation shall be applied
- only proposals with a civilian purpose are allowed.
- provide to EuroHPC JU a final report within 3 months of the completion of an allocation
- resources are allocated primarily to perform compute-demanding training executions of ethical AI models.

Application Process

1. Contact the company expert in your region if your project idea fulfils requirements
2. Select appropriate supercomputer for your project
3. Register on PRACE - User Portal (pracecalls.eu)
4. Complete the online application form
5. Submit your application before cut-off date
6. Wait for evaluation result within 4 – 8 weeks after cutoff
7. Get access, and sign User Terms for the relevant system

Peer-Review Process

The Peer-Review process for proposals submitted to the AI and Data-Intensive Applications Access call follows the workflow to the right. Applications need to pass a minimum score threshold in relationship to the proposed AI research to be carried out demonstrating relevancy to the call.

Proposals for code testing and optimisation are outside the scope of this call.

Call Documents

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: