

EURO²

Info Day on EuroHPC JU Calls, August 6, 2024

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Description

- **Purpose:** To support researchers and HPC application developers by giving them the opportunity to **develop, test and optimise their applications** on the upcoming/available **EuroHPC Pre-exascale and/or Petascale system** prior to applying for an **Extreme Scale and/or Regular Access**.
- Projects focusing on **code and algorithm development and optimization** as well as **development of AI application methods**.
- **Allocation:** A small number of node hours
- **Allocation period:** 6 months - 1 year

Eligibility Criteria

- Researchers from academia, research institutes, public authorities and industry in EU or associated countries.
- Project leader must have an employment contract valid for at least 3 months after the allocation period.
- Resources awarded are for open Research and Development (R&D) purposes.

Assessment Criteria

the pertinence and feasibility of the request for the targeted system

a detailed description of the challenges hindering the scalability of the code to higher computing performances

Technical assessment executed by the hosting entity experts

a clear plan for code development

available human resources and expertise

EuroHPC JU Call for Proposals for Development Access

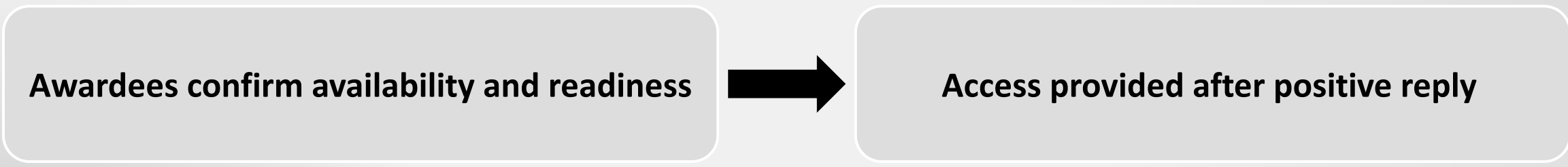


Schedule

Action	Development Access
Proposal submission	Continuously open for submission. Cut-off date for review on 1st of every month
Review of proposals & decision	Up to 2 weeks after the cut-off date
Access start date	Up to 2-3 weeks after the cut-off date


EuroHPC JU Call for Proposals for Development Access

The process to access resources after the communication of the decision on allocation



Allocation decision includes the following:

- Type of access
- Start/end dates
- Duration
- Resources warded

 **Not open for negotiation**

First-come, First-served

EuroHPC JU Call for Proposals for Benchmark Access

Description

- **Purpose:** To **develop, test and optimise their applications** on the upcoming **EuroHPC Pre-exascale and/or Petascale system** prior to applying for an **Extreme Scale and/or Regular Access**.
- Designed for **code scalability tests or for test of AI applications**
 - ! The outcome of which is to be included in the **proposal in a future EuroHPC Extreme Scale and Regular Access call**
- **Allocation:** A limited number of node hours
- **Allocation period:** Maximum 3 months

EuroHPC JU Call for Proposals for Benchmark Access

Eligibility and Assessment Criteria: Same with Development Access call

 No peer-review process

 Only online form to be completed to apply

Schedule:

Action	Benchmark Access
Proposal submission	Continuously open for submission. Cut-off date for review on 1st of every month
Review of proposals & decision	Up to 2 weeks after the cut-off date
Access start date	Up to 2-3 weeks after the cut-off date

Information for Awarded Projects

Reporting

- Final report to be submitted by PI in 3 months after the completion of allocation
- Up-to-date template
- Should include results obtained
- Feedback on the use of resources
- EuroHPC Peer-Review (access@eurohpc-ju.europa.eu)

Extension

- Not possible unless there is a technical issue
- EuroHPC PeerReview team (access@eurohpc-ju.europa.eu)

Dissemination

- EuroHPC can share the following in 1 year from the end of the allocation period:
 - Final report
 - Info about PI and team members
- Commitment of applicants to collaborate with EuroHPC about preparation of dissemination material

Acknowledgement in all papers and publications:

- EuroHPC JU
- HPC Centre
- All relevant partners

EuroHPC JU Call for Proposals for Development & Benchmark Access

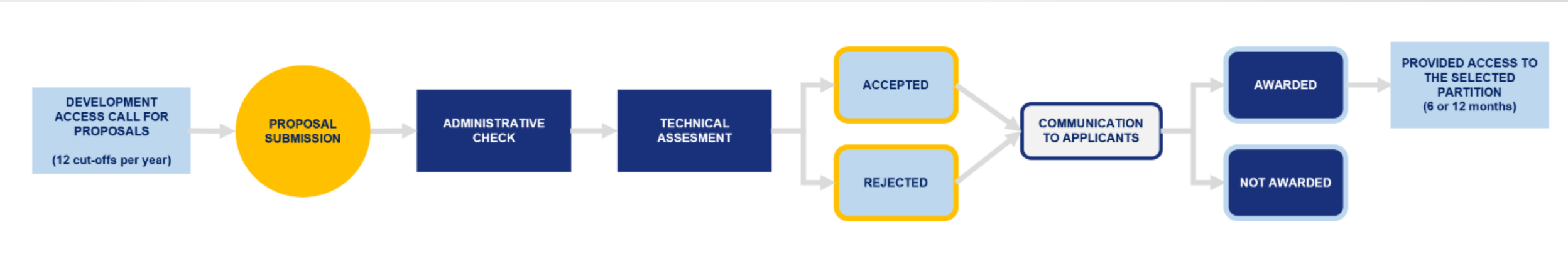


EuroHPC Systems and Node Hours

SYSTEM	COUNTRY	ARCHITECTURE	DEVELOPMENT ACCESS - MAXIMUM RESOURCE (Node/Hours)	BENCHMARK ACCESS - MAXIMUM RESOURCE (Node/Hours)
Vega CPU	SLOVENIA	Atos BullSequana XH2000	4.000	2.000
Vega GPU			800	400
Karolina CPU	CZECH REPUBLIC	HPE Apollo 2000Gen10 Plus	4.000	2.000
Karolina GPU		HPE Apollo 6500	800	400
MeluXina CPU	LUXEMBOURG	Atos BullSequana XH2000	4.000	2.000
MeluXina GPU			800	400
MeluXina FPGA			Atos BullSequana X430 A5	1.100
Discoverer CPU	BULGARIA	Atos BullSequana XH2000	4.500	2.000
LUMI-C	FINLAND	HPE Cray EX	4.000	2.000
LUMI-G			4.500	2.500
Leonardo Booster	ITALY	Atos BullSequana XH2000	4.500	3.500
Leonardo DCGP	ITALY	Atos BullSequana XH2000	4.000	2.000
DEUCALION	PORTUGAL	Fujitsu PRIMEHPC FX700	4.000	2.000
		Atos BullSequana X440 AS	3.000	2.000
			400	200
MareNostrum5	SPAIN	Lenovo ThinkSystems SD650	4500	2000
		Atos BullSequana XH3000	3500	2500

EuroHPC JU Call for Proposals for Development & Benchmark Access

Process Workflow



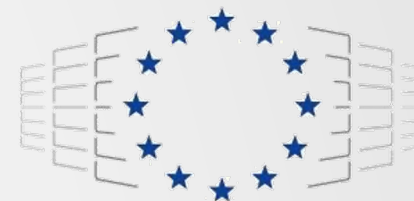
<https://pracecalls.eu>

Type	Allocation
Development Access	6 – 12 months
Benchmark Access	2 – 3 months

Thanks!



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the European Union



EuroHPC
Joint Undertaking

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