

# Acesso aos recursos Europeus

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# Novos recursos

# Novos supercomputadores EuroHPC JU

[Homepage \(europa.eu\)](http://europa.eu)

Já disponíveis



Vega, Eslovénia



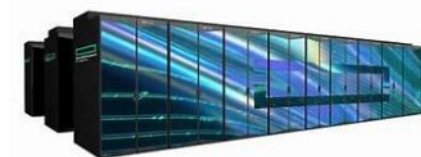
MeluXina, Luxemburgo



Karolina, Rep. Checa



Discoverer, Bulgária



LUMI, Finlândia



Leonardo, Itália

A partir de 2023

Deucalion, Portugal

MareNostrum 5, Espanha

# Política de Acesso EuroHPC

## EuroHPC JOINT UNDERTAKING

### DECISION OF THE GOVERNING BOARD OF THE

#### EuroHPC JOINT UNDERTAKING No 25/2021

### Amendment of the Access Policy to the Union's share on the access time to the pre-exascale and petascale supercomputers

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## 1.1 REGULATORY FRAMEWORK

This Access Policy is developed in the scope of the **Council Regulation (EC) 2018/1488** of the establishment of the EuroHPC JU and concerns the access time allocated to supercomputers procured in the context of this regulation. The Regulation sets the framework for the different aspects that affect the access policy to the EuroHPC infrastructure. A summary of the Regulation articles which are applicable to this policy are available in the annex at the end of this document.

## 1.2 PRINCIPLES OF THE ACCESS POLICY

The aim of the EuroHPC Access Policy is to provide a transparent and fair access to all users a fair chance to the Union's access time and takes into account all available resources. The guiding principles of this framework are set out in the Policy and its Annexes. The following list is a breakdown of recital 31 of the Regulation which outlines these key principles of the procedures described in the Policy.

- The use of the pre-exascale and petascale supercomputers should be primarily for public research and innovation purposes, for any user from academia, industry or the public sector.
- User allocation of access time to the supercomputers should primarily be based on open calls for expression of interest launched by the Joint Undertaking and evaluated by independent experts.
- Upon decision by the Governing Board, it should be possible to grant a small percentage of access time without a call for expression of interest in some exceptional cases such as strategic European initiatives or in emergency and crisis management situations.
- The Joint Undertaking should be allowed to carry out some limited economic activities for commercial purposes.
- Access should be granted to users established in the Union or a country associated to Horizon 2020.
- The access rights should be equitable to any user and allocated in a transparent manner.
- The Governing Board should define and monitor the access rights to the Union's share of access time for each supercomputer.

# Política de Acesso EuroHPC: Alocação de recursos

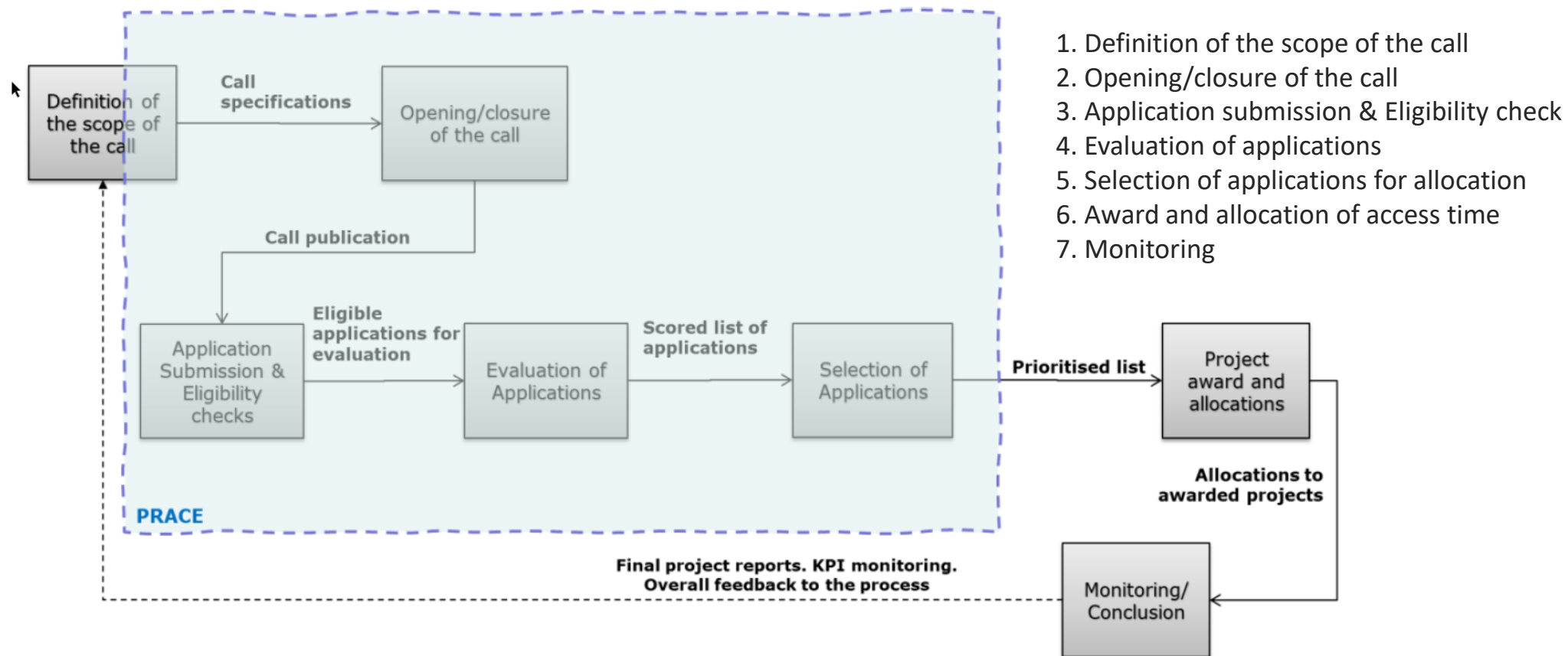


Figure 2 - Processes supported by PRACE in 2021

# Política de Acesso EuroHPC: Modos de acesso

Access Mode	Extreme Scale	Regular	Benchmark	Development	Academic Fast Track	Industry Fast Track
Duration	1y renewable	1y renewable	2 to 3 months	1y renewable	< 6 months	1y renewable
Periodicity	Continuous calls, bi-yearly cut-offs	Continuous call, cut-offs every four months (3 cut-offs per year).	Continuous call, monthly cut-offs	Continuous call, monthly cut-offs	Continuous call, cut-offs ev. 2w/1m	Continuous call, cut-offs ev. 2w/1m
Share of resources (indicative)	60 - 90% of participating systems Mostly pre-exascale	60 - 90% of participating systems Mostly petascale	~5% All systems	~5% All systems	~5% All systems	~5% All systems
External sc. Peer-review	Yes	Yes	No	No	No / Pre-identified	No / Pre-identified
Tech. assessment	Yes	Yes	Yes	Yes	Yes	Yes
Data Management Plan required	Yes	Yes	No	No	Yes	Yes
Application type	Full application	Full application	Technical application	Technical application	Light request + support documents	Full application
Prerequisite	Benchmark	Benchmark	None	None	Previous allocation or Benchmark	Previous allocation or Benchmark
Submission period	> 2 months	> 2 months	N/A	N/A	N/A	N/A
Duration of evaluation process	3 months	2 months	≥1 week <2 weeks	≥1 week <2 weeks	≥2 weeks <1 month	≥2 weeks <1 month



*No que diz respeito à Indústria, existem dois tipos de acesso aos recursos EuroHPC:*

- *“Research and Innovation (R&I) access” e “Commercial Access”*

## Commercial Access

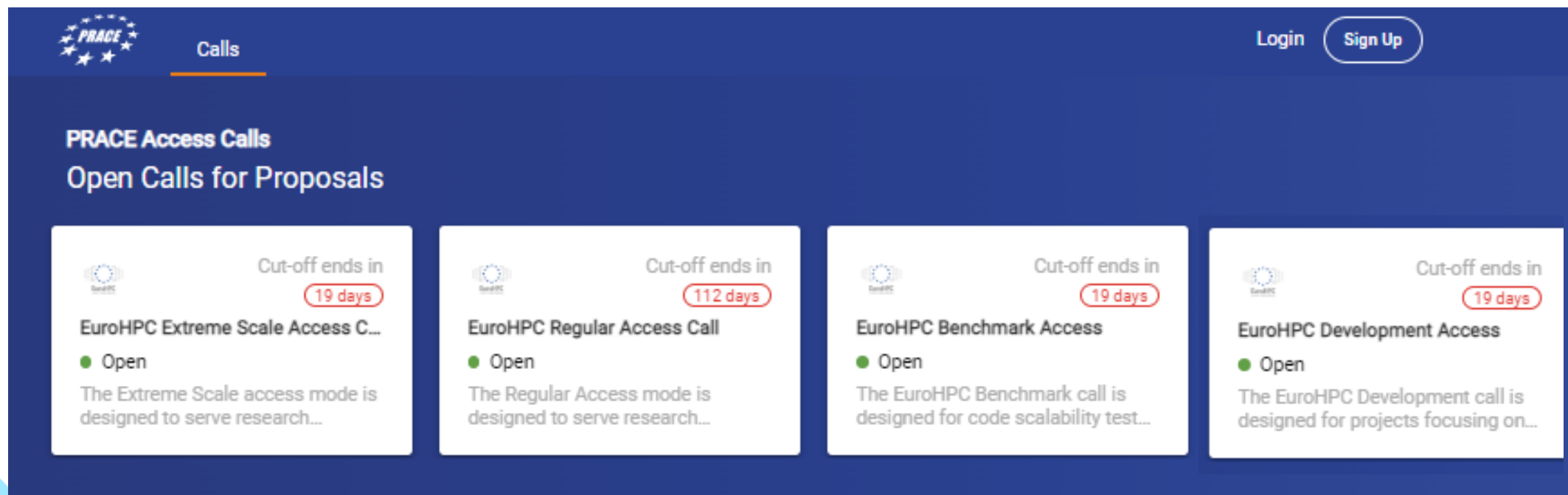
- De acordo com o regulamento, a JU **reservará até 20% dos recursos de computação disponíveis para fins comerciais.**
- **Este acesso não se enquadra em qualquer processo de avaliação científica.**

Category	Type	Cost unit
Computation	CPU Nodes	Node-hours
Computation	GPU Nodes	Node-hours
Computation	FPGA Nodes	Node-hours
Computation	High-memory nodes	Node-hours
Storage	Fast access tier	Gigabyte (GB) / month
Storage	Regular access tier	Gigabyte (GB) / month
Storage	Archive tier	Gigabyte (GB) / month
Network	Outbound and Inbound data transfer	Gigabyte (GB) / month
Support	Application porting and optimisation	Person Months (PM)
Support	Training	Hours

# Como aceder?

# Portal de candidaturas

 [pracecalls.eu](https://pracecalls.eu)



The screenshot shows the PRACE Access Calls website interface. At the top left is the PRACE logo, and at the top right are 'Login' and 'Sign Up' buttons. The main heading is 'PRACE Access Calls' followed by 'Open Calls for Proposals'. Below this, there are four call cards, each with a EuroHPC logo, a 'Cut-off ends in' timer, the call title, a status indicator (a green dot followed by 'Open'), and a brief description.

Call Title	Cut-off ends in	Status
EuroHPC Extreme Scale Access C...	19 days	Open
EuroHPC Regular Access Call	112 days	Open
EuroHPC Benchmark Access	19 days	Open
EuroHPC Development Access	19 days	Open

### Development Access

continuously open calls, designed for projects focusing on code and algorithm development and optimization; the allocation period is 1 year, renewable up to 2x.

### Benchmark Access

continuously open calls, designed for code scalability tests, the outcome of which is to be included in the proposal in a future Extreme Scale and Regular Access call. maximum allocation period is 3 months.

### Regular Access

continuously open; designed to serve projects that require large-scale resources or more frequent access to substantial computing and storage resources. Resources mostly from the EuroHPC JU petascale systems. 1 year allocations with additional extra year.

### Extreme Access

continuously open; designed to serve projects with high-impact, high-gain innovative research; extremely large allocations in terms of compute time, data storage and support resources. Resources from the EuroHPC pre-exascale systems. 1 year allocations with additional extra year.

2 projetos PT aprovados com Regular Access no LUMI-C



- Project Application
- The Project**
- Principal Investigator
- Contact person
- Team Members Information
- Partitions
- Development
- Acceptance of Terms of Reference

### The Project

Project name\*

### Research fields

Research field title\*

Research field sub-title

Research field share (%)\*

The sum of all research fields should not exceed the total of 100%

+ Research fields

Additional keywords

Proposal for civilian purposes\*

Project summary (abstract)\*

Project Duration\*

6 months  12 months

Próximos prazos:

• 1 December 2022 – 11:00 AM CET

Recursos:

Vega, Eslovénia

Meluxina, Luxemburgo

Karolina, Rep. Checa

Discoverer, Bulgaria

LUMI, Finlândia

[EuroHPC JU Benchmark and Development Access Calls - PRACE \(prace-ri.eu\)](#)

Save Changes

Next



**Benchmark Access: Candidatura**

- Project Application ^
- The Project**
- Principal Investigator
- Contact person
- Team Members Information
- Partitions
- Code details and development
- Acceptance of Terms of Reference

**The Project**

Project name\*

**Research fields**

Research field title\*

Research field sub-title\*

Research field share (%)\*

The sum of all research fields should not exceed the total of 100%

+ Research fields

Additional keywords

Proposal for civilian purposes\*

Please include a project summary and specify what are the specific goals in terms

Project summary (abstract)\*

Project Duration\*

Próximos prazos:  
• 1 December 2022 – 11:00 AM CET

- Recursos:
- Vega, Eslovénia
  - Meluxina, Luxemburgo
  - Karolina, Rep. Checa
  - Discoverer, Bulgaria
  - LUMI, Finlândia

[EuroHPC JU Benchmark and Development Access Calls - PRACE \(prace-ri.eu\)](#)

Save Changes Next



**Regular Access: Candidatura**

- Project Application ^
- The Project**
- Principal Investigator
- Contact person
- Team Members Information
- Partitions
- Development
- Special needs
- Collaboration and Funding
- Excluded Reviewers
- Acceptance of Terms of Reference

▲ The deadline for this assignment was 04/11/2022

**Project Application**

Project name\*

research-field

Research field title\*

Research field sub-title

Research field share (%)\*

The sum of all research fields should not exceed the total of 100%

Additional keywords

Project summary (abstract)\*

Project scope and plan document\*

Project scope and plan document (.pdf)

Próximos prazos:

- ~~4 November 2022, 13:00 (CET)~~
- 3 March 2023, 13:00 (CET)
- July 2023, 13:00 (CET)

Recursos:

- Vega, Eslovénia
- Meluxina, Luxemburgo
- Karolina, Rep. Checa
- Discoverer, Bulgaria
- LUMI, Finlândia

[EuroHPC JU Call for Proposals for Regular Access Mode \(europa.eu\)](https://europa.eu)



**Project Application**

- The Project**
- Principal Investigator
- Contact Person
- Team Members Information
- Partitions
- Code Details and Development
- Special Needs
- Dissemination Strategy
- Collaboration and Funding
- Suggested Reviewers
- Excluded Reviewers
- Acceptance of the Terms of Reference

### The Project

**Project details**

Project title\*

Project summary (abstract)\*

Keywords\*

Only proposals with a civilian purpose will be eligible. Please confirm by ticking the box.

Proposal for civilian purposes\*

Is any part of the project confidential?

Yes  No

Project Scope and Plan document upload\*

**Research fields**

Research field title\*

Share (%)\*

**Próximos prazos:**

- 30 November 2022, 13:00 (CET)
- 28 April 2023, 10:00 (CEST)
- 28 September 2023, 10:00 (CEST)

**Recursos:**

LUMI-C e LUMI-G, Finlândia

Leonardo Booster, Itália

[EuroHPC JU Call for Proposals for Extreme Scale access mode \(europa.eu\)](https://europa.eu)

Save Changes

Next



Available machines:

Access types:

[PRACE \(prace-ri.eu\)](http://prace-ri.eu)

**PROJECT ACCESS**

PRACE Project Access is the access to PRACE Tier-0 HPC systems for projects that use previously tested codes with demonstrated high scalability and optimisation.

**Suitable for**  
Established Tier-0 users

**Development Access  
Benchmark Access**

**SHAPE ACCESS**

SHAPE aims to help SMEs benefit from the expertise and knowledge developed within the PRACE RI.

**Suitable for**  
SMEs with the potential of using HPC.

**DECI ACCESS**

DECI provides Tier-1 users access to supercomputing architectures from another European country for smaller-scale projects.

**Suitable for**  
Smaller-scale projects that do not require Tier-0 systems



Joliot-Curie, GENCI@CEA, France



JUWELS, GCS@FZJ, Germany



HAWK, GCS@HLRS, Germany



SuperMUC-NG, GCS@LRZ, Germany



MARCONI, CINECA, Italy



MareNostrum 4, BSC, Spain



Piz Daint, ETH Zurich/CSCS, Switzerland

E outros recursos Tier-1 como o Navigator+ (LCA-UC)

# Treino e eventos

# Formação: EuroCC

[eurocc.fccn.pt](http://eurocc.fccn.pt)

**EUROCC PORTUGAL**

SOBRE EUROCC ▾ HPC EM PORTUGAL ▾ NOTÍCIAS E EVENTOS TREINO E SUPORTE ▾ CONTACTOS 𐀀

Calendário Nacional  
EuroCC Treino Internacional

**EURO**  
**Competence Center for HPC**  
A source of information,  
training and collaboration.

## Evento: EuroHPC Summit 2023

*“The EuroHPC Summit 2023 will take place on **20-23 March 2023** in **Gothenburg in Sweden**. More information will follow soon.*

*The theme of this year's conference will be **European Supercomputing Excellence in the Exascale Era.**”*

[Summit-2023@eurohpc-ju.europa.eu](mailto:Summit-2023@eurohpc-ju.europa.eu)



# Para terminar

# Em sumário



Novos supercomputadores Europeus já disponíveis: 4 petascale e 2 pré-exascale



Candidaturas EuroHPC via [pracecalls.eu](https://pracecalls.eu)



Formação em HPC: EuroCC



4 tipos de acesso abertos em contínuo: *Cut-offs múltiplos*

Concursos

Ver página EuroCC

Cursos

**EuroHPC Summit 2023,**  
20-23 Março, Suécia

Evento

**RNCA**  
REDE NACIONAL DE COMPUTAÇÃO AVANÇADA



**U.PORTO**

**utad**

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DE TRÁS-OS-MONTES  
E ALTO DOURO



UNIVERSIDADE  
BEIRA INTERIOR



**UAAlg**

UNIVERSIDADE DO ALGARVE

**FUJITSU**



Infraestrutura  
Nacional de  
Computação  
Distribuída



**LCA**

Laboratory for  
Advanced Computing



UNIVERSIDADE DE ÉVORA

**MAACC**

Minho  
Advanced  
Computing  
Center



universidade  
de aveiro

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Email [rnca@fccn.pt](mailto:rnca@fccn.pt)



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2020**

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Fundo Europeu  
de Desenvolvimento Regional

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