



# Tutorial: How to make a EuroHPC application

## Regular Access

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
Data storage needs	Large storage for medium to long term	Large storage for medium to long term	Limited	Data processing environment and platform		
Accessible to industry	Yes – Open R&D With specific evaluation criteria	Yes – Open R&D With specific track	Yes – Open R&D	Yes – Open R&D	No – use industry Fast Track instead	Exclusively Open R&D
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

(From EuroHPC Access Policy, Version 1.1)



**Who can apply ?** Researchers from academia, research institutes, public authorities, and industry established or located in an EU Member State or in a country associated with Horizon 2020 can apply and access the EuroHPC pre-exascale and petascale supercomputers.

The submission of proposals is done via the **PRACE Peer-Review platform**.

You will need to create an account first and once logging in you will be able to choose the **Regular Access** call in the **Calls** page. Once you start drafting your proposal, it will be available in your **Dashboard**.

<https://pracecalls.eu/>

In order to apply to **Industry** or **Public Administration** tracks, the PI (Project Investigator) has to be affiliated with industry or public sector, respectively.

Please consult the **Terms of Reference** to check the eligibility and specific information about the open submission tracks (Scientific, Industry and Public Administration).

[https://prace-ri.eu/wp-content/uploads/Terms\\_of\\_Reference\\_Regular\\_Call.pdf](https://prace-ri.eu/wp-content/uploads/Terms_of_Reference_Regular_Call.pdf)

<https://pracecalls.eu/>



[Calls](#)

[Log in](#)

[Sign Up](#)

PRACE Access Calls

Open Calls for Proposals



**EuroHPC Regular Access**

● Open



**Preparatory Access**

● Open



## Welcome

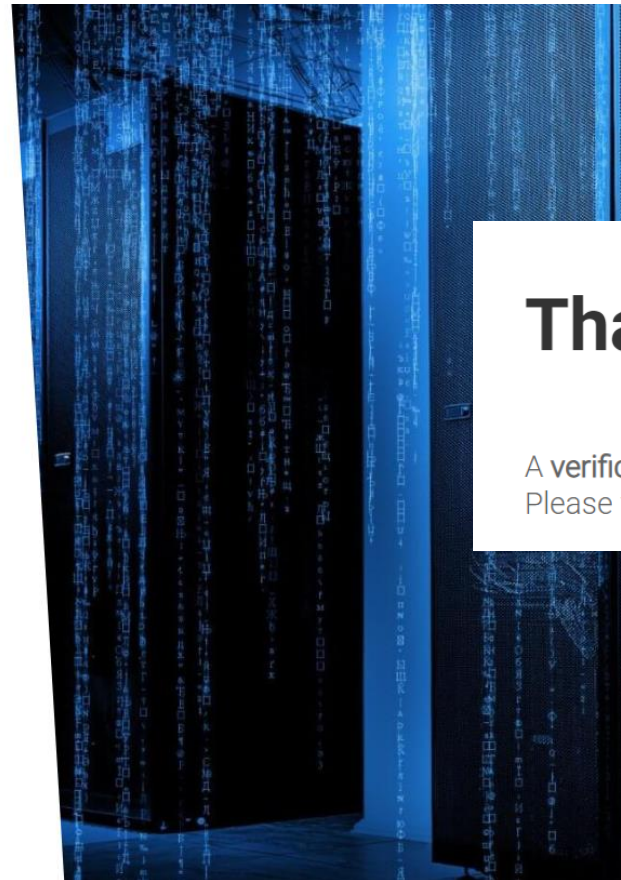
Please, [login](#) or [register](#) for free

Login

Register

Also entrance for



# Thanks for joining us!

A verification link has been sent to your e-mail address.  
Please follow the instructions to finish your registration!





## 2. Login - PRACE Peer Review Tool ....and create a proposal for EuroHPC Regular Access



PRACE Calls Details  
EuroHPC Regular Access

Apply to Call

Submissions

Your profile



Dashboard



Applicant



PRACE Access Calls

Open Calls for Proposals



EuroHPC Regular Access

● Open



Preparatory Access

● Open



# 3. EuroHPC Regular Access Call

## Fill out the application form – Project details

1

Project Application

2

Technical Assessment

3

Individual Report

4

Response to Allocation

### The Project

Principal Investigator

Contact person

Team Members Information

Partitions

Development

Special needs

Collaboration and Funding

Excluded Reviewers

Acceptance of Terms of Reference

### The Project

Project name \*

Research field title \*

Research field sub-title

Research field share (%) \*   
The sum of all research fields should not exceed the total of 100%

**Add Research field**

1 Add Research field

### 3 Research Domains

- PE - Physical Sciences and Engineering
- LS - Life Sciences
- SH - Social Sciences and Humanities

### 25 Research Field Titles

- PE1-PE10, 10 categories
- LS1-LS9, 9 categories
- SH1-SH6, 6 categories

### 343 Research Field Sub-Titles

- PE - 169 Sub-Titles
- LS - 102 Sub-Titles
- SH - 72 Sub-Titles



# 4. Online Application Form Project Details (Continued)

- The Project
- Principal Investigator
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Additional keywords

Project summary (abstract) \*

0/2500 characters (max of approx. 500 words)

Project scope and plan document \*

Click to choose a file

Project scope and plan document (.pdf)

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

Proposal for civilian purposes \*

Please tick the box in the case you are submitting the same project that has already been submitted to a previous cut-off but was not awarded. The proposal will be considered as a Resubmission.

Resubmission

Select the track that you wish to submit your proposal to. Please note that in order to apply for the Industry or Public Administration Access Tracks, the PI must be affiliated with Industry or the Public Sector respectively.

Track selection \*

Next Save \* mandatory field

<https://prace-ri.eu/hpc-access/eurohpc-access/eurohpc-ju-call-for-proposals-for-regular-access-mode/>

The following documents form the reference for this call:

- The EuroHPC Access Policy can be found [here](#)
- The Terms of Reference can be found [here](#)
- The Technical Information on the EuroHPC Supercomputers can be found [here](#)
- The template for the Project Scope and Plan can be found below:
  - In Microsoft Word format
  - In Latex format (and associated .cls file) – Coming Soon

## Attach with information:



- Public Administration Access Track
- Industry Access Track
- Scientific Access Track



**EuroHPC**  
Joint Undertaking





- The Project
- Principal Investigator**
- Contact person
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### Principal Investigator


Gender \*

Title \*

First name \*

Last name \*

Initials

Date of birth \*  

E-mail address \*

Nationality \*

Phone Nr   
+32123456789

Job title \*

Employment contract valid for more than 3 months after end allocation \*

Website

Organisation name \*

#### Organisation with Research Activity

Yes  No

#### Organisation Head office in Europe

Yes  No

Percentage of R&D in Europe vs total R&D \*

Organisation Department \*

Organisation Group

Organisation Address \*

Organisation Postal code \*

Organisation City \*

Organisation Country \*

\* mandatory field





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### Contact person

First name \*

Last name \*

E-mail address \*

\* mandatory field



**EuroHPC**  
Joint Undertaking

Phone Nr

Job title \*

Website

Organisation name \*

Organisation Department \*

Organisation Group

Organisation Address \*

Organisation Postal code \*

Organisation City \*

Organisation Country \*

1 Add Team Member

- The Project
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### Team Members Information

Please insert all the team members that will participate in this research

Gender \*

Title \*

First name \*

Last name \*

Initials

Date of birth \*

E-mail address \*

Nationality \*

\* mandatory field



# 4. Online Application Form

## EuroHPC resources to choose from



- The Project
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### Partitions

Partition name \*

Code used \*

Add Code

1 Add Code

Number of jobs simultaneously \*

Wall clock time of a typical job execution (h) \*

Are you able to write checkpoint?

Yes  No

Maximum time between 2 checkpoints (h) \*

Minimum # cores \*

Average # cores \*

Maximum # cores \*

Minimum job memory (total usage over all cores GB) \*

At the moment, five (5) EuroHPC machines are available for Regular Access calls

- Vega CPU Standard
- Vega CPU Large Memory
- Vega GPU
- MeluXina CPU
- MeluXina CPU Large memory
- MeluXina GPU
- MeluXina FPGA
- Karolina CPU
- Karolina GPU
- Discoverer CPU
- LUMI-C



**EuroHPC**  
Joint Undertaking



# 4. Online Application Form

## EuroHPC resources to choose from (Continued)



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Average job memory (total usage over all cores GB) \*

Maximum job memory (total usage over all cores GB) \*

Maximum amount of SCRATCH needed at a time (GB) \*

Maximum amount of WORK needed at a time (GB) \*

Maximum amount of HOME needed at a time (GB) \*

Maximum amount of ARCHIVE needed at a time (GB) \*

Maximum # files to be stored on SCRATCH (thousands) \*

Maximum # files to be stored on WORK (thousands) \*

Maximum # files to be stored on HOME (thousands) \*

Maximum # files to be stored on ARCHIVE (thousands) \*

Total amount of data to transfer to/from (GB) \*

Justification of data transfer \*

0/2500 characters (max of approx. 500 words)

I/O Strategy \*

0/2500 characters (max of approx. 500 words)

I/O data traffic R/W per hour

I/O files generated per hour

Add Partition

1 Add Partition

Next

Save

\* mandatory field





The Project

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**Development**

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Funding

Excluded Reviewers

Acceptance of Terms of  
Reference

### Development

This should include the following: description of the main algorithms, how they have been implemented and parallelized, and their main performance bottlenecks and the solutions to the performance issues you have considered. For each code that needs to be optimized, please provide the details listed below.

1. Name and version.
2. Webpage and other references.
3. Licensing model.
4. Contact information of the code developers.
5. Your relationship to the code (developer, collaborator to main developers, end user, etc.).

Development of the codes \*

0/2500 characters (max of approx. 500 words)

Next

Save

\* mandatory field



**EuroHPC**  
Joint Undertaking



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### Special needs

Please specify the needs that are not listed above and are specific and necessary for the completion of the project (e.g. data transfer tools, workflow tools, other middleware requirements, dependence on a specific member of local/external staff, funding stream, 3rd party software, outcomes of other project, etc).

Special needs \*

0/2500 characters (max of approx. 500 words)

**Next**

**Save**

\* mandatory field



**EuroHPC**  
Joint Undertaking



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### Collaboration and Funding

Please mention any additional funding or international collaborations that you are involved in. This will help strengthen your submission.

In addition, any information on international collaborations that you are involved in will help the PRACE Communications team in their dissemination activities to promote your work should you be awarded.

Is any part of the project covered by confidentiality?

Yes  No

Additional funding EC (ERC, Marie Curie, etc) \*

International collaboration \*

National funding \*

Other funding \*

Next

Save

\* mandatory field



**EuroHPC**  
Joint Undertaking



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### Excluded Reviewers

#### Excluded Reviewer #1

Full Name

E-mail

Affiliation

#### Excluded Reviewer #2

Full Name

E-mail

Affiliation

#### Excluded Reviewer #3

Full Name

E-mail

Affiliation

**Next**

**Save**

\* mandatory field





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### Acceptance of Terms of Reference

Please refer to PRACE website/EuroHPC/Regular Access call for more information:  
<https://prace-ri.eu/hpc-access/eurohpc-access/eurohpc-ju-call-for-proposals-for-regular-access-mode/>

I accept the Terms of Reference \*

**Submit** **Save** \* mandatory field



#### Final submission

After submission you can't edit this step again. You can use the save button to keep progress before final submission.

CANCEL SUBMIT

✔ You have successfully submitted project EHPC-REG-2021R0026. Thank you for your submission.



The usage of EuroHPC JU resources needs to be acknowledged for all data produced through EuroHPC JU allocations, **both in publications and when depositing the data to other infrastructures.**

Users shall use the following wording in such acknowledgement in all such papers and other publications:

**“We acknowledge EuroHPC JU for awarding this project access to [resource-name hosted by at site]”**

See “Terms of Access” in:

[https://prace-ri.eu/wp-content/uploads/Terms\\_of\\_Reference\\_Regular\\_Call.pdf](https://prace-ri.eu/wp-content/uploads/Terms_of_Reference_Regular_Call.pdf)



National HPC in DK:  
(If used)

<https://www.deic.dk/en/Supercomputing/Instructions-and-Guides/Remember-to-acknowledge-the-use-of-national-hpc>