EuroCC application form

In order to apply, please provide all the information in the application form below.

In case some companies may not be in a position to provide all of the information requested (e.g. specific hardware details, quantity of machine time etc.) please contact the technical support helpdesk @CINECA at the following email: technical-support-nccitaly@cineca.it

All forms fields can be filled in Italian or English language.

1  *  Project Title
2 * Company name:

3 * Company Address:
Company Website:
5. Number of Employees:

6. Principal Investigator Contact (full name)

7. Principal Investigator Contact (job title)

8. Principal Investigator Contact (e-mail)

9. Principal Investigator Contact (phone)

The Principal Investigator (PI) is the only responsible for the project and for the management of any associated resource. The PI must be working in an Italian company with registered offices in Italy.
Which of the following describes best the main revenue source of your company?

- Private sector
- Public sector

Are you a Company or an SME?

- Company
- SME *

(*) SME definition can be found here: http://ec.europa.eu/growth/smes/business-friendly-environment/sme-definition_en

What does your company do?

Please describe your company and its core expertise.
(Max 300 words)
Project Abstract

Please describe the project and its goals and give an overview of the benefits of using an HPC platform.

(max. 150 words)
Industrial relevance and potential business impact

A key criterion for approving a NCC Italy application is the potential of the project to create business benefits for the proposing company/SME. Please provide details of the business relevance and the expected impact of the proposed work (e.g. reduced time-to-market, job generation, increase in service quality, etc.). Please also provide indications related to the long-term sustainability of the proposal.

(max. 300 words)
Proposed high-level Work Plan

*In general terms, please describe the planned approach to the project. If possible, please provide a breakdown of the tasks required to achieve the project goals along with an estimate of effort for each task in person-months (PM) from the company.*

(max. 300 words)
Awarded companies will be requested to sign a *Memorandum of Understanding* in which they will commit at least for the resources stated into the proposal. A minimum commitment of 6 Person Months is highly recommended.

Please note that your active collaboration with NCC Italy is expected at the conclusion of the project to produce a written report on the work performed. You might use the resulting document for your company’s marketing purposes and authorise NCC Italy to publish the case study as a success story.

An example workplan:

<table>
<thead>
<tr>
<th># Task</th>
<th>Title</th>
<th>Description</th>
<th>Company effort (PM)</th>
<th>EUROCC-IT effort (PM) (*)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Initial Profiling</td>
<td>The software will be handed over to the EUROCC technology partner and installed on the target system, along with example test cases and benchmarks. These will be verified and profiled to identify bottlenecks</td>
<td>1.5</td>
<td>1.5</td>
</tr>
<tr>
<td>2</td>
<td>Optimisation strategy</td>
<td>Based on profiling data from previous task, propose strategies for code optimisation</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td></td>
<td>Final report</td>
<td>Produce report on the outcomes of the work</td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>--------------</td>
<td>-------------------------------------------</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td>0.25</td>
<td>0.25</td>
</tr>
</tbody>
</table>

Total | 12.0 | 4.00 |

(*) The EURO-CC partners effort, if unknown, could be filled in a later stage; possible expected desired effort could be anyway inserted. 

If known, please specify in the Work Plan which partner you expect to receive effort from EUROCC-IT (e.g. CINECA). Please note that, in case of award, you will be encouraged to follow the procurement registration procedures of the supporting EURO-CC partner.
Technical and business requirements

Please identify technical and non-technical requirements for the project.

Please note that it is understood that not every company will be able to complete this section. You can mark the section in question with N/A if that is the case. However, where it is available, provide as much information as possible in the subsections below.

Technical requirements may include third-party software, preferred hardware architecture, non-standard security levels (e.g. data transfers methods not sftp-based), data storage estimates, remote visualization capabilities, etc... Please note that EUROCC cannot provide any software licences. Non-technical requests may include Non-Disclosure Agreements, data locality issues, etc...
Computing Resources

For EURO-CC Partner CINECA, technology infrastructure resources that will be available can be found at the following links:

**Hardware Resources**

16 Existing compute resource

*Description of the type of compute resource your code currently uses*
Preferred compute resource

*General description of type of compute resource you expect to access within EUROCC or directly name a machine*
Parallelisation strategy

List the parallelisation technologies required or already used (e.g. MPI, OpenMP, accelerator ...)
19 * Storage (Gbyte)

Estimate of storage requirements for the project (include generated data as well as test cases etc)
Third party software

Any third party software required for the project: include name and version, webpage or similar, and the license conditions (e.g. open source)
Typical run

Description of requirements of the typical expected runs of the code e.g. 12 hours on 128 cores, 1 hour on 1024 cores
Core hours or Node hours

*Estimate of total core-hours (or node hours) required for the project*
Memory

*Description of requirements of the maximum expected memory usage of the code e.g. 1GB per core, 10GB per node*

Other

*Any further relevant technical details e.g. I/O estimates*
Please note that the Technical Helpdesk during project submission technical-support-nccitaly@cineca.it is available to check with the applicants the technical requirements and workplan, you can engage it before submission. Please consider in case of need at least 3 business days to obtain this kind of support.

Non-technical resources

In the case where particular results may be commercially sensitive to the company’s business, it is still expected that a white paper could be published with a higher-level discussion of the techniques and approach used, omitting the details of particular sensitivity.

Confidentiality

E.g. any NDA requirements
Other

Any further relevant non-technical details
27* By submitting this application form, you accept the privacy policies of this call as linked here:

☐ I Accept.
This project has received funding from the European High-Performance Computing Joint Undertaking (JU) under grant agreement No 951732. The JU receives support from the European Union’s Horizon 2020 research and innovation programme and Germany, Bulgaria, Austria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Greece, Hungary, Ireland, Italy, Lithuania, Latvia, Poland, Portugal, Romania, Slovenia, Spain, Sweden, United Kingdom, France, Netherlands, Belgium, Luxembourg, Slovakia, Norway, Switzerland, Turkey, Republic of North Macedonia, Iceland, Montenegro.

CLOSE THIS WINDOW