**Project Detailed Description**

**Title and Research Field\***

Please enter the title and the field of your research project here.

|  |  |
| --- | --- |
| Project name | Click or tap here to enter text. |
| Research field | Click or tap here to enter text. |

 **\*** Mandatory fields

**Principal Investigator Information\***

Please insert personal data and contact details of the Principal Investigator (PI).

|  |  |
| --- | --- |
| Title | Choose an item. |
| First/Given Name\* | Click or tap here to enter text. |
| Last/Family Name \* | Click or tap here to enter text. |
| Email\* | Click or tap here to enter text. |
| Company/Institution\* | Click or tap here to enter text. |
| Department | Click or tap here to enter text. |
| 2nd Company/Institution | Click or tap here to enter text. |
| Professional Title\* | Click or tap here to enter text. |
| Address Line | Click or tap here to enter text. |
| City | Click or tap here to enter text. |
| State/Province | Click or tap here to enter text. |
| Postal Code | Click or tap here to enter text. |
| Country | Click or tap here to enter text. |
| Primary Telephone | Click or tap here to enter text. |
| Website | Click or tap here to enter text. |
| Primary Work Location (Country or Region) | Click or tap here to enter text. |

**Contact Person Information\***

|  |  |
| --- | --- |
| First/Given Name\* | Click or tap here to enter text. |
| Last/Family Name \* | Click or tap here to enter text. |
| Email\* | Click or tap here to enter text. |
| Company/Institution\* | Click or tap here to enter text. |
| Department | Click or tap here to enter text. |
| 2nd Company/Institution | Click or tap here to enter text. |
| Website | Click or tap here to enter text. |
| Primary Work Location (Country or Region) | Click or tap here to enter text. |

Please insert information for contact person for all correspondence.

**Collaborator Information\***

|  |
| --- |
| Collaborator 1\* |
| First/Given Name\* | Click or tap here to enter text. |
| Last/Family Name \* | Click or tap here to enter text. |
| Email\* | Click or tap here to enter text. |
| Company/Institution\* | Click or tap here to enter text. |
| Department | Click or tap here to enter text. |
| 2nd Company/Institution | Click or tap here to enter text. |
| Website | Click or tap here to enter text. |
| Primary Work Location (Country or Region) | Click or tap here to enter text. |

List of authors, excluding PI, in the correct order, exactly as you would like them to appear in future correspondence.

|  |
| --- |
| Collaborator 2 (if applicable) |
| First/Given Name\* | Click or tap here to enter text. |
| Last/Family Name \* | Click or tap here to enter text. |
| Email\* | Click or tap here to enter text. |
| Company/Institution\* | Click or tap here to enter text. |
| Department | Click or tap here to enter text. |
| 2nd Company/Institution | Click or tap here to enter text.  |
| Website | Click or tap here to enter text. |
| Primary Work Location (Country or Region) | Click or tap here to enter text. |

☞ If there are more than two collaborators, please copy and paste the above table and fill in the respective details.

**Application Tracks\***

Please specify the application track of your proposal. Please select only one option below.

[ ]  Scientific Track

[ ]  Industry Track

1. **Abstract of your Project\***

*Please provide abstract of your project here. (maximum 150 words)*

1. **Project Description\***

*Please provide a description of your project here. Include discussion of the scientific and innovation questions that you are planning to address and the overall goals of the project. It is important that you describe the novelty, impact and timeliness of the proposal. Please also explain why this project needs to run on a HPC resource, why Cyclone is suitable for the project and how the use of the system will enable the science and innovation proposed. You should describe the architecture, machine/system name and the problem sizes that have been used to test for scaling. (maximum 1200 words)*

1. **Resource Management and Core Hours Justification\***

*Please outline your strategy for managing the requested HPC resources (Optional: incorporate Gantt chart or equivalent visual aid to illustrate this). Justify the number of core hours requested. This should include information such as run type, wall clock time per step, number of jobs per run type, the number of CPU cores and the total core hours per run type. Explain how the core hours requested will be used. (Optional: this information can take the form of a table like the one shown below with example data) (maximum 1200 words)*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Run type** | **# Runs** | **# Steps/Run** | **Walltime/Step** | **# CPU cores** | **Total core hours/Type Run**  |
| *1*  | *r1*  | *s1*  | *w1*  | *p1*  | *R1\*s1\*w1\*p1*  |
| *2*  | *r2*  | *s2*  | *w2*  | *p2*  | *R2\*s2\*w2\*p2*  |
| *3* | *r3*  | *s3*  | *w3*  | *p3*  | *R3\*s3\*w3\*p3*  |
| **…** | … | … | … | … | …  |
| **TOTAL** |  |  |  |  | *GRAND TOTAL*  |

1. **Application Software and Methods Overview\***

*Provide a description of your application software in terms of the numerical methods and algorithms that you are planning to use, improve or develop (if applicable); the codes, packages or libraries that you need to undertake the project; and how these will enable the research to be achieved. (maximum 500 words)*

1. **Enabling and Optimization Work Required\***

*Describe the application enabling/optimization work that needs to be completed before production runs can begin. This may include factors such as, for example: port application to architecture, testing and benchmarking, performance analysis, improve I/O, reduce global communication. Please make it clear what work will need to be done by your own group and what you are requesting to be done by user support staff. Please also make it clear if any enabling work can be done in parallel with production runs. (maximum 750 words)*

1. **Data Resources Requested\***

*Please specify total storage required (in Gbytes, default is 1024, available only during the project), maximum files to be stored during the granting period, and the amount of data (in Gbytes, default is 1024) to be transferred to/from the production system. Please describe your strategy concerning the handling of data, justification for the data storage request (above the system defaults), transfer of data to/from the production system, pre/post processing and the retrieval of relevant data after the end of the project to the applicant's local system. (maximum 500 words)*

1. **Confidentiality\***

*Is any part of the project covered by confidentiality? If YES, please give the reasons for confidentiality. If not, just type "NO".*

\* **If you have not previously utilized High-Performance Computing (HPC) resources and anticipate requiring training for its usage, kindly indicate your need in the space provided below**:

[ ]  Yes, I need training.

[ ]  No, I do NOT need training.

**Contact Information**

For any queries relevant to the applications, kindly contact: hpc.help@cyi.ac.cy