3. Usage purpose (Information provided will not be disclosed outside of the judges and the office.)

*Please explain clearly. If necessary, include pictures or figures. If more space is required, please add.*

3-1 The related background, and how your research is positioned in this context

3-2 The features and originality of your proposed research

3-3 How your research will be enhanced using the Center’s computer resources

*If you have applied for JHPCN Exploratory Joint Research Project at another JHPCN center (refer to the URL below) for the same research content, please explain the reasons for using the resources at this center and the difference in research plans.*

https://jhpcn-kyoten.itc.u-tokyo.ac.jp/ja/purpose\_summary.php#houga

4. Software applications and a plan for their use (Information provided will not be disclosed outside of the judges and the office.)

4-1 Software applications

*Please write the names of software applications for computation, development type (your own program, open-source software (OSS), commercial software, etc.) Please overview each software application in two or three sentences. You may add more software applications as needed.*

Name of software application:

Development type: Own・OSS・Commercial・Other (　　　　　　　　　)

(Delete non-applicable types and leave the applicable one.)

Overview of the software application (2-3 sentences):

Name of software application:

Development type: Own・OSS・Commercial・Other (　　　　　　　　　)

(Delete non-applicable types and leave the applicable one.)

Overview of the software application (2-3 sentences):

4-2 The use plan.

*First state the total number of tokens planned for the entire project and the maximum number of nodes to use for each system. Then list and describe the computation items. For each computation item, provide the following: computation content, general timing of the computation, required number of nodes, amount of memory, tokens, disk capacity, number of executions, etc. by referencing the application name written in 4-1. Please be as specific as possible with the rationale.* ***The total number of tokens planned for the project and the maximum number of nodes must be within the resources offered by the program. (The maximum number of allowed tokens is detailed in the application requirements).******In a system with token consumption coefficient α for one node (or 1 GPU), if you use X nodes (or X GPUs) for T hours, the required number of tokens is X\*T\*α. Please note that in the application requirement, only Wisteria/BDEC-01 Aquarius shows the token consumption coefficient per 1 GPU.***

System name: Wisteria/BDEC-01Odyssey

Tokens planned for use: \_\_\_\_ nodes×\_\_\_\_ hours × 1 consumption coefficient = \_\_\_ tokens

・Maximum number of nodes to use: 　　　　　　　　　　　　　　　nodes

System name: Wisteria/BDEC-01Aquarius

Tokens planned for use: \_\_\_\_ nodes×\_\_\_\_ hours × 3 consumption coefficient = \_\_\_ tokens

・Maximum number of nodes to use: 　　　　　　　　　　　　　　　nodes,

Maximum number of GPUs to use: 　　　　　　　　　　　　　　　GPUs

System name: Oakbridge-CX

Tokens planned for use: \_\_\_\_ nodes×\_\_\_\_ hours × 1 consumption coefficient = \_\_\_ tokens

・Maximum number of nodes to use: 　　　　　　　　　　　　　　　nodes

System name: Oakforest-PACS

Tokens planned for use: \_\_\_\_ nodes×\_\_\_\_ hours × 1 consumption coefficient = \_\_\_ tokens

・Maximum number of nodes to use: 　　　　　　　　　　　　　　　nodes

System name: Reedbush-H

Tokens planned for use: \_\_\_\_ nodes×\_\_\_\_ hours × 2.5 consumption coefficient = \_\_\_ tokens

・Maximum number of nodes to use: 　　　　　　　　　　　　　　　nodes

System name: Reedbush-L

Tokens planned for use: \_\_\_\_ nodes×\_\_\_\_ hours × 4 consumption coefficient = \_\_\_ tokens

・Maximum number of nodes to use: 　　　　　　　　　　　　　　　nodes

\*Please remove any systems that you do not plan to use.

What is the specific usage plan for each computation?

5. Expected achievements (Information provided will not be disclosed outside of the judges and the office.)

6. Related research achievements (Information provided will not be disclosed outside of the judges and the office.)

*For a new project, list up to five achievements related to this project such as published research papers, invited talks, and presentations at academic conferences in which the project representative was involved. If the project is a continuation, list five achievements and the relationships to the research achievements obtained from the previous use of the program. For the intern program targeting students, if the research achievements are difficult to state, please write about research themes and fields of interest.)*

7. Selection history in the program (Information provided will not be disclosed outside of the judges and the office.)

*\*Complete this section if you have been previously selected to participate program. Please list all your projects regardless if they are new or a continuation.*

7-1 What is the previous title and selection year?

*\*Please list all previously selected projects. If necessary, add more sections.*

FY20 (First term・Second term・Intern) (Delete non-applicable terms)

New/Continuation: New・Continuation (Delete non-applicable terms)

Title:

FY20 (First term・Second term・Intern) (Delete non-applicable terms)

New/Continuation: New・Continuation (Delete non-applicable terms)

Title:

7-2 What is the difference between this proposal and the projects previously

selected by the program?

*\*Clearly state the purpose and achievements of previously selected projects. Also, describe the relationships to the proposed research, their differences, and the features of the proposed research.*

8. Research group member information (Information provided will not be disclosed outside of the judges and the office.)

*\*Required only for group research in the intern program targeting students. Write the names of all members of the research group, including the project representative. The general program does not allow group research. Please leave this section blank if applying to the general program.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Qualification\* | Name | University・Department・Program | Role in research project |
| Example | ■ | Tarou Toudai | The University of Tokyo, Graduate School of XX,  Doctoral Program | Organizer |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |
| 6 |  |  |  |  |
| 7 |  |  |  |  |
| 8 |  |  |  |  |
| 9 |  |  |  |  |
| 10 |  |  |  |  |

\* If the member meets the application eligibility requirements, add ■ in the qualification column.

Note: Add more rows as needed.

* Submission: Research Support Team, Information Strategy Group, Information Systems Department, The University of Tokyo

Please submit your web application electronically to:

https://www.cc.u-tokyo.ac.jp/guide/young/application.php#apply

* Do not change the format of this form. However, it is permissible to add additional space as needed.
* If this proposal is recommended as a JHPCN Exploratory Joint Research Project, this application will be shared with JHPCN’s office and the Screening Committee for Exploratory Joint Research Projects for screening purposes only.