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.

*If using systems other than mdx, indicate the total number of tokens planned for the entire project and the maximum number of nodes for each system. Then in the “Concrete use plan” provide a detailed 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 guidelines).******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.***

*If using mdx, list the resources such as CPUs, GPUs, and storage planned for use and a justification for these resources. In the “Concrete use plan”, reference the application name stated in 4.1 and describe the plan in detail.*

*\*Please check (☑) the system planned for use.*

*\*For “Breakdown”, please describe the process for calculating the “Total tokens planned for use”.*

*\*Please delete sections of systems not in your use plan.*

□System Name: Oakbridge-CX

・Total tokens planned for use: tokens

(Maximum is 8,640 tokens for 6 months or 17,280 tokens for 12 months.)

・Maximum number of nodes to use: 　　　　　　　　　　　　　　　nodes

(Maximum is 256 nodes regardless of research length.)

Breakdown: X nodes × T hours × 1 consumption coefficient = \_\_\_\_ tokens

□System Name: Wisteria/BDEC-01 Odyssey

・Total tokens planned for use: tokens

(Maximum is 8,640 tokens for 6 months or 17,280 tokens for 12 months.)

・Maximum number of nodes to use: 　　　　　　　　　　　　　　　nodes

(Maximum is 2,304 nodes regardless of research length.)

Breakdown: X nodes × T hours × 1 consumption coefficient = \_\_\_\_ tokens

□System Name: Wisteria/BDEC-01Aquarius

・Total tokens planned for use: tokens

(Maximum is 12,960 tokens for 6 months or 25,920 tokens for 12 months.)

・Maximum number of GPUs to use: 　　　　　　　　　　　　　　　GPUs

(Maximum is 64 GPUs (8 nodes) regardless of research length.)

Breakdown: X GPUs × T hours × 3 consumption coefficient = \_\_\_\_ tokens

□System Name: mdx

・\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_vCPUs (Maximum is 608 vCPUs (equivalent to 4 nodes).)

・\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_GPUs (Maximum is 1 GPU.)

・Virtual disk \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_GB (Maximum is 100 GB)

・High-performance internal storage \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_TiB (Maximum is 1 TiB)

・High-capacity internal storage \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_TiB (Maximum is 2 TiB)

・Object storage \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_TiB (Maximum is 2 TiB)

・Global IP address \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Maximum is 1)

Concrete use plan (Provide a detailed description for each computation content.):

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.)

*(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. 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.*