Joint Usage/Research Center for Interdisciplinary Large-scale Information Infrastructures

FY2024 Joint Research Project Proposal Application Form (1) (Research Info.)

Date of Submission: \_\_/\_\_/\_\_\_\_

1. Purpose and significance of the proposed research project
2. Necessity as a JHPCN joint research project:
3. Research plan:
4. Previous research results:
5. Requests for the cooperation with research groups and/or researchers in the centers
6. Protection of Human Rights and Compliance with Laws and Regulations
7. Other matters:
8. Main results recently published or presented in relation to this research

The calculation basis and purpose of the usage

(Items to be described is varied according to the following conditions: desired theme area, amount and category of resource, new/continued project. Please refer to the call for proposal and comment in the right column. Please remove this red description before submission)

(Sample)

Name of resource (name of a center): Super Computer A System (A University)

Purpose of the usage: Research theme 1, development of xxx

Calculation basis of resources:

- Preliminary computation: 64 nodes x 2 hours x 10 cases

- Real stage computation: 256 nodes x 10 hors x 100 cases

- Storage: Y TB for yy dataset, X TB for workarea, XX TB x 12 months in total

Name of resource (name of a center): Super Computer B System (B University)

Purpose of the usage: Research theme 2, computation of xxx to obtain result of xxx

Calculation basis of resources:

- Preliminary computation: 64 nodes x 2 hours x 10 cases

- Real stage computation: 256 nodes x 10 hors x 100 cases

- Storage: Y TB for yy dataset, X TB for workarea, XX TB x 12 months in total

Name of resource: mdx (private-wallet plan)

Purpose of the usage: Research theme 3, computation of xxx to obtain result of xxx. In addition, OOO service will be provided to the public.

Calculation basis of resources:

- Preliminary computation: 2 GPU pack x 2 hours x 10 cases

- Real stage computation: 8 GPU pack x 10 hours x 100 cases

- OOO service: 6 GPU pack x 10000 hours

This service receives data from a machine A and sends analyzed result to B. To prevent unexpected abort of VM, reserved VM will be used.

- Storage: Y TB for yy dataset will be stored in the large-capacity storage for internal data preservation. In addition, virtual disk of X TB will be kept for computational workarea. For the data publication, the object storage will be used as follows: XX TB x 150 days.