

## Press Release

June 22, 2021



The Registered Institution for Facilities Use Promotion  
Research Organization for Information Science and Technology (RIST)

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### Overview of the Application Status of Fugaku FY 2021 Period-B Projects, Small-Scale Projects, and Trial Access Projects

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**On May 13, 2021, the call for proposals for research projects using the supercomputer Fugaku in the Period-B of FY 2021 was closed. For this call, 25 proposals were submitted. Moreover, taking the calls opening throughout the year which started February 23, 2021, 15 proposals have been submitted for Small-Scale Projects, and 40 proposals have been submitted for Trial Access Projects so far.**

**Fugaku is used more and more extensively. The user base of Fugaku is steadily expanding, and creation of research achievements are highly expected.**

Research Organization for Information Science and Technology (RIST, President: Dr. Yasuhide Tajima), as the Registered Institution for Facilities Use Promotion, opened the call for proposals for projects using the supercomputer Fugaku<sup>(\*)</sup> in Period-B of FY 2021 from March 11, 2021, through May 13.

The shared use of Fugaku has started since March 9, 2021. Targeted at projects which can make the most of the outstanding performance of Fugaku, relatively larger amount of computational resources are allocated at the Periodic Calls. The Periodic Calls open twice per year, and the "Period-B" is the second call scheduled for Japanese Fiscal Year 2021. The available computational resources are Fugaku only, and awarded projects will run for one year from October 2021. Until the deadline, 25 proposals have been submitted.

Calls opening throughout the year with quicker screening process have also been open since February 24, 2021. As of the end of May, 15 proposals were submitted for Small-Scale Projects, and 40 proposals were submitted for Trial Access Projects. In particular, the latter number is incredibly large because the number of the proposals for Trial Projects of the K computer was around 10 per year in average. Among the proposals submitted for Trial Access Project, 27 of the Project Representatives are new users who have never used the HPCI computational resources including K computer.

The number of Fugaku users has certainly increased and users are steadily stepping up from the trial to the full-scale research. These numbers show that user base is expanding. We also expect that these projects will deliver research outcomes in the early stage.

Continuing from FY 2021 Period-A projects, priority areas are set under the General Access projects of Period-B projects based on Japanese government policies. Priority research areas in FY 2021 are "Research and development of infectious disease control" and "Basic research and development that contributes to next generation computing." One proposal is submitted in the area of "Research and development of infectious disease control."

The proposed FY 2021 Period-B projects are currently peer-reviewed and assessed by experts from its own scientific fields, and evaluated by the Screening Committee and the Selection Committee. Awards are made after this selection process, and the result is expected to be announced in August.

<FY 2021 Period-B Project Categories and Submitted Proposals>

Project Categories	Proposals
Fugaku General Access	<b>13 (1)</b> 注 <sup>1</sup>
Fugaku Junior Researchers	<b>3</b>
Fugaku Industrial Access	<b>9</b>
Total	<b>25</b>

Note) The number in parenthesis means the submission in the Priority Area.

<Fugaku Small-Scale Project / Trial Access Project and submitted proposals> (As of May 2021)

Project Categories	Proposals	Total
Fugaku General Access (Small-Scale)	<b>11</b>	<b>15</b>
Fugaku Junior Researchers (Small-Scale)	<b>4</b>	
Fugaku Industrial Access (Small-Scale)	<b>0</b>	
Fugaku General Access (Trial Access)	<b>31</b>	<b>40</b>
Fugaku Industrial Access (Trial Access)	<b>9</b>	

(\*1) Supercomputer Fugaku

The supercomputer Fugaku is being co-developed by RIKEN and Fujitsu under the project for the development of the innovative High-Performance Computing Infrastructure (HPCI) promoted by the Japanese Ministry of Education, Culture, Sports, Science and Technology (MEXT). Fugaku is the successor of K computer. Fugaku took first place on four supercomputer rankings in June and November, 2020, and is proven to have the world's top-class performance. For more details, please refer to RIKEN R-CCS's website:

<https://www.r-ccs.riken.jp/en/>

(\*2) Priority areas

Priority areas are decided each fiscal year based on Japanese government policies. Proposals that are judged to fit these areas will be given preference in the selection process.

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