World's Fastest Supercomputer Fugaku

June 22, 2020, Fugaku awarded top in 4 HPC Benchmark programs

Fugaku Total System Configuration and Performance

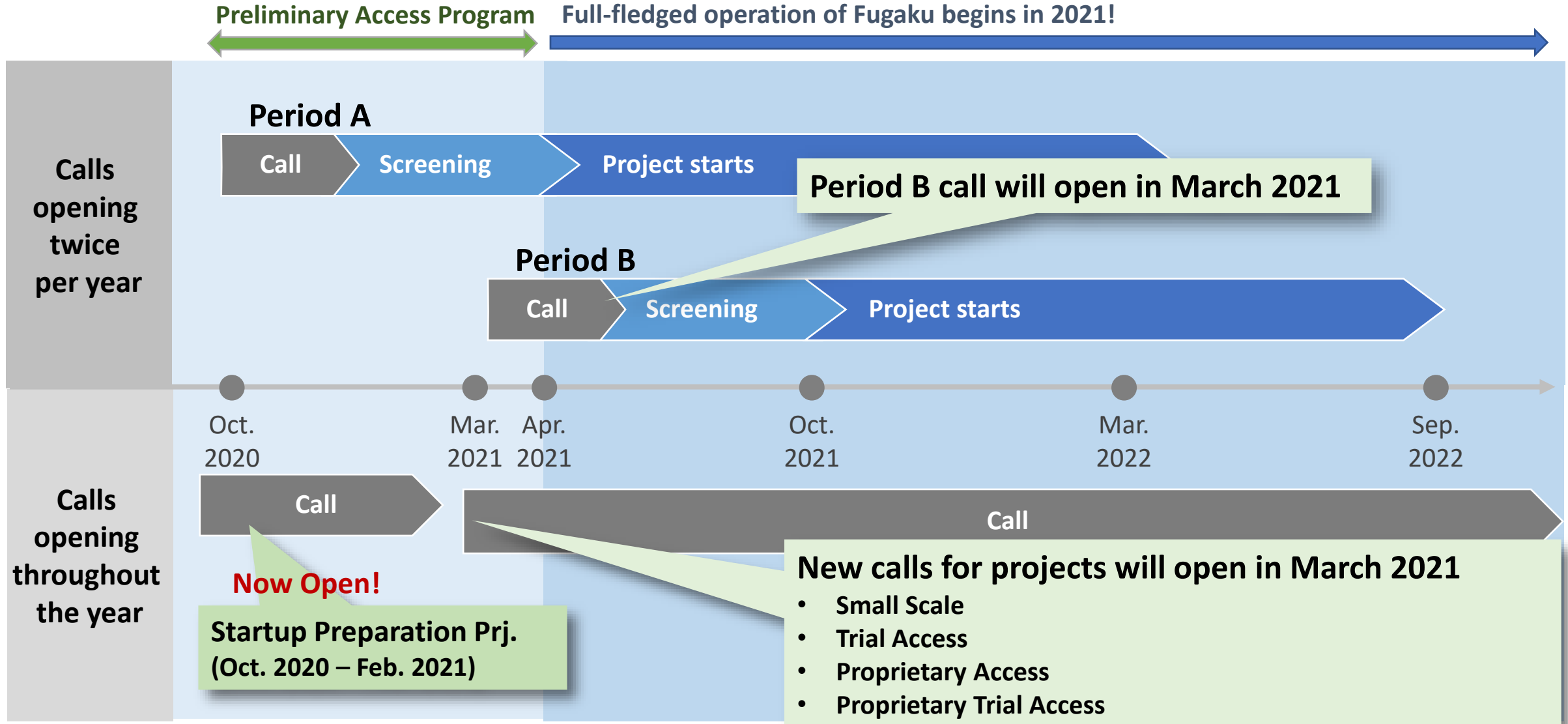- **-Total Number of Nodes : 158,976 nodes 432racks**
- **-Theoretical Peak Performances**

	Normal Mode CPU@2GHz	Boost Mode CPU@2.2GHz
64 bit Double Precision FP	**488** PFlops	**537** PFlops
32 bit Single Precision FP	977 PFlops	1.07 EFlops
16 bit Half Precision FP (AI training)	**1.95** EFlops	**2.15** EFlops
8 bit Integer (AI Inference)	**3.90** EOps	**4.30** EOps

-Total Theoretical Peak Memory Bandwidth : 163 Petabytes/s

Timeline of Public Calls Opening to the World

Applications from all researchers are welcome, from academia to industry*1, including from overseas.

Preliminary Access Program

Full-fledged operation of Fugaku begins in 2021!

Calls opening twice per year

Period A

| Call | Screening | Project starts |

Period B call will open in March 2021

Period B

| Call | Screening | Project starts |

Oct. 2020 — Mar. 2021 — Apr. 2021 — Oct. 2021 — Mar. 2022 — Sep. 2022

Calls opening throughout the year

Call

Call

Now Open!

Startup Preparation Prj. (Oct. 2020 – Feb. 2021)

New calls for projects will open in March 2021
- Small Scale
- Trial Access
- Proprietary Access
- Proprietary Trial Access

*1 PI from industry needs to belong to a private company registered in Japan.