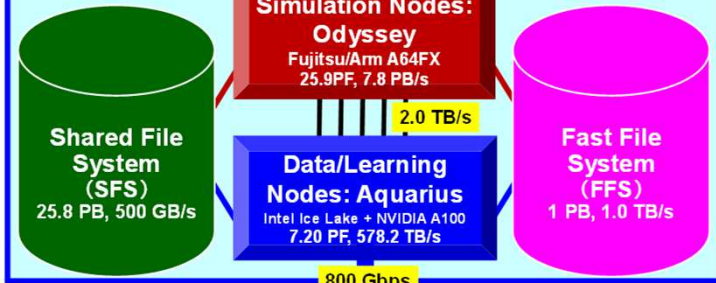




Platform for Integration of (S+D+L)  
Big Data & Extreme Computing



External Resources



External Network



External Resources



Wisteria BDEC-01

Simulation Nodes (Odyssey)



Wisteria BDEC-01

Data/Learning Nodes (Aquarius)



東京大学  
THE UNIVERSITY OF TOKYO



東京大学情報基盤センター  
INFORMATION TECHNOLOGY CENTER, THE UNIVERSITY OF TOKYO

## Oakbridge-CX (OBCX) (Fujitsu)

- Intel Xeon Cascade Lake
- July 2019-September 2023
- 6.61 PF, #119 in 59<sup>th</sup> TOP500



Oakbridge-CX

## Wisteria/BDEC-01 (Fujitsu)

- Simulation Nodes (Odyssey): A64FX (#20)
- Data/Learning Nodes (Aquarius) : Icelake + A100 (#115)
- 33.1 PF, May 2021-April 2027
- Platform for Integration of “Simulation+Data+Learning (S+D+L)”
- Innovative Software Platform “h3-Open-BDEC” supported by Japanese Government (JSPS Grant-in-Aid for Scientific Res. (S) FY.2019-2023)



Wisteria BDEC-01



2001-2005	2006-2010	2011-2015	2016-2020	2021-2025	2026-2030
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**Hitachi SR8000**  
1,024 GF

**Hitachi SR11000**  
J1, J2  
5.35 TF, 18.8 TF

**Hitachi SR16K/M1**  
Yayoi  
54.9 TF

**Hitachi SR2201**  
307.2GF

**Hitachi SR8000/MPP**  
2,073.6 GF

**OBCX (Fujitsu)**  
6.61 PF

**Hitachi HA8000**  
T2K Today  
140 TF

**Oakforest-PACS (Fujitsu)**  
25.0 PF

**OFP-II**  
200+ PF

**Supercomputers @ITC/U.Tokyo**  
2,600+ Users  
55+% outside of U.Tokyo

**Fujitsu FX10**  
Oakleaf-FX  
1.13 PF

**Wisteria BDEC-01 Fujitsu**  
33.1 PF

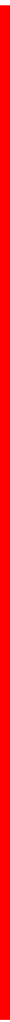
**BDEC-02**  
250+ PF

**Reedbush-U/H/L (SGI-HPE)**  
3.36 PF

**Ipomoea-01** 25PB

**Ipomoea-03**

**Ipomoea-02**



2001-2005	2006-2010	2011-2015	2016-2020	2021-2025	2026-2030
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Hitachi SR8000  
1.024 PF  
SR8000

Hitachi SR11000  
J1, J2  
IBM Power5+

Hitachi SR16K/M1  
Yayoi  
IBM Power7

Hitachi SR2201  
HARP-1E

Hitachi SR8000/MPP  
SR8000

Intel CLX  
OBCX (Fujitsu)  
6.61 PF

Hitachi HA8000  
T2K Today  
140 TF

Oakforest-PACS (Fujitsu)  
35.9 PF

OFP-II  
200+ PF  
Accelerators

AMD Opteron

Intel Xeon Phi

Fujitsu FX10  
Oakleaf-FX  
1.13 PF

Wisteria BDEC-01 Fujitsu  
33.1 PF

BDEC-02  
250+ PF

SPACR64 IXfx

Reedbush-U/H/L (SGI-HPE)  
3.36 PF

A64FX, Intel Icelake+  
NVIDIA A100

Accelerators

Pseudo Vector  
Multicore CPU  
GPU, Accelerators

Intel BDW +  
NVIDIA P100

Ipomoea-01 25PB

Ipomoea-03

Ipomoea-02