# HPCI第2階層システム 運用＆整備計画 (2017年5月時点)

| Fiscal Year | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hokkaido | HITACHI SR16000/M1（172TF, 22TB）<br>Cloud System BS2000（44TF, 14TB）<br>Data Science Cloud / Storage HA8000 / WOS7000（10TF, 1.96PB） | | | | 3.7 PF (UCC + CFL/M) 1.0MW<br>0.6 PF (Cloud) 0.12MW | | | | | 30 PF（UCC + CFL-M） 2MW | | |
| Tohoku | NEC SX-9 他 (60TF) | SX-ACE(707TF,160TB, 655TB/s)<br>LX406e(31TF), Storage(4PB), 3D Vis, 2MW | | | | | ~30PF, ~30PB/s Mem BW (CFL-D/CFL-M) ~3MW | | | | | |
| Tsukuba | HA-PACS (1166 TF)<br>COMA (PACS-IX) (1001 TF) | | | PPX (64TF) | PACS-X 10PF (TPF) 2MW | | | | | | PACS-XI 100PF (TPF) | |
| Tokyo | Fujitsu FX10 (Oakleaf/Oakbridge) (1.27PFlops, 168TiB, 460 TB/s),<br>Hitachi SR16K/M1 (54.9 TF, 10.9 TiB, 28.7 TB/s) | | | Oakforest-PACS (OFP) 25 PF (UCC + TPF) 3.2 MW<br>Reedbush-U/H: 1.92 PF (FAC) 0.7MW<br>Reedbush - L1.4 PF (FAC) 0.2 MW | | 50+ PF (FAC) 3.5MW | | | 100+ PF 4.5MW (UCC + TPF) | | | 200+ PF (FAC) 6.5MW |
| Tokyo Tech. | TSUBAME 2.5 (5.7 PF, 110+ TB, 1160 TB/s), 1.4MW | | | TSUBAME 3.0 (12.15 PF, 1.66 PB/s) (3.5アップグレード可能なら2019に40PF)<br>TSUBAME 2.6 延長運用 最大5 PF | | 両システムで 1.4MW | | | TSUBAME 4.0 (100+ PF, >10PB/s, ~2.0MW) | | | |
| Nagoya | FX10(90TF)<br>CX400(470TF)<br>SGI UV2000 (24TF, 20TiB) | Fujitsu FX100 (2.9PF, 81 TiB)<br>Fujitsu CX400 (774TF, 71TiB)<br>2MW in total | | | | 50+ PF (FAC/UCC + CFL-M) up to 4MW | | | | | 100+ PF (FAC/UCC+CFL-M) up to 4MW | |
| Kyoto | Cray: XE6 + GB8K + XC30 (983TF)<br>Cray XC30 (584TF) | | Cray XC40(5.5PF) + CS400(1.0PF) 1.33 MW | | | | 50-100+ PF (FAC/TPF + UCC) 1.8-2.4 MW | | | | | |
| Osaka | NEC SX-ACE (423TF) NEC Express5800 (22.4TF) | | | | 3.2PB/s,15~25Pflop/s, 1.0-1.5MW (CFL-M)<br>0.7-1PF (UCC) | | | | | | 25.6 PB/s, 50-100Pflop/s,1.5-2.0MW | |
| Kyushu | HA8000 (712TF, 242 TB)<br>SR16000 (8.2TF, 6TB)<br>FX10 (272.4TF, 36 TB)<br>CX400 (966.2 TF, 183TB) | 2.0MW | | | 9.9 PF (UCC/TPF) 2.5MW<br>FX10 (90.8TFLOPS) | | | | | 100+ PF ～3MW (FAC/TPF + UCC/TPF) | | |
| JAMSTEC | NEC SX-9 (131TF) 5MW | SX-ACE(1.3PF, 320TiB) 3MW | | | | | | 100PF, 3MW | | | | |

電力は最大供給量（空調システム含む）