



Human Brain Project



EBRAINS



# THE HUMAN BRAIN PROJECT

## EBRAINS Computing Services

**Our mission: Develop, deploy, integrate and operate a variety of basic IT services within a distributed e-infrastructure**

- We integrate HPC, cloud computing and storage services of the Fenix infrastructure (provided by the ICEI project) and novel neuromorphic computing services into a joint infrastructure layer.
- We adapt generic Fenix infrastructure services to the specific needs of EBRAINS, the new research infrastructure for neuroscience and brain-inspired technologies, which offers tools and services on top of these Fenix services.
- The diversity of services reflects the diverse needs of the brain research community.

**Neuromorphic computing:** Improved online, interactive Neuromorphic computing resources



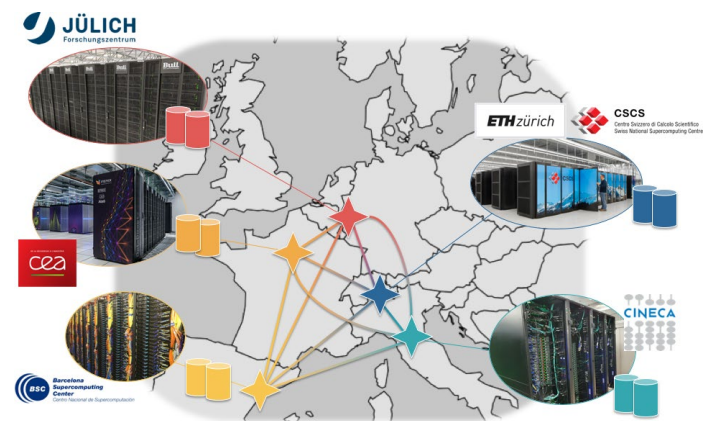
Large-scale SpiNNaker and BrainScaleS systems at the University of Manchester and Heidelberg University

**Collaborative workspaces:** Increased maturity of collaborative tools and improved integration into the infrastructure to lower the barrier to adopting the EBRAINS Research Infrastructure

**Sustainability:** Successful inclusion of EBRAINS in the Roadmap 2021 of the European Strategy Forum on Research Infrastructures (ESFRI)

**Partners:**

**Federated e-infrastructure:** Improved and adapted, operable and sustainable federated HPC, cloud computing and storage services based on Fenix services



These five European HPC and Data centres build the European Fenix infrastructure in the ICEI project and contribute to the EBRAINS computing services.



**Health Data Cloud:** Establishing a service for collecting, sharing and analysing sensitive data



Contact: [wp6-coord@humanbrainproject.eu](mailto:wp6-coord@humanbrainproject.eu) | Websites: [www.humanbrainproject.eu](http://www.humanbrainproject.eu) & [ebrains.eu](http://ebrains.eu)

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