



FENIX

RESEARCH INFRASTRUCTURE

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ISC Forum

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Introduction: Fenix & ICEI

■ 6 European supercomputing centres form the Fenix consortium within the ICEI project *

- BSC (Barcelona, ES)
- CEA (Bruyeres-le-Chatel, FR)
- CINECA (Bologna, IT)
- CSC (Espoo, FI)
- CSCS (Lugano, CH)
- JSC (Jülich, DE)



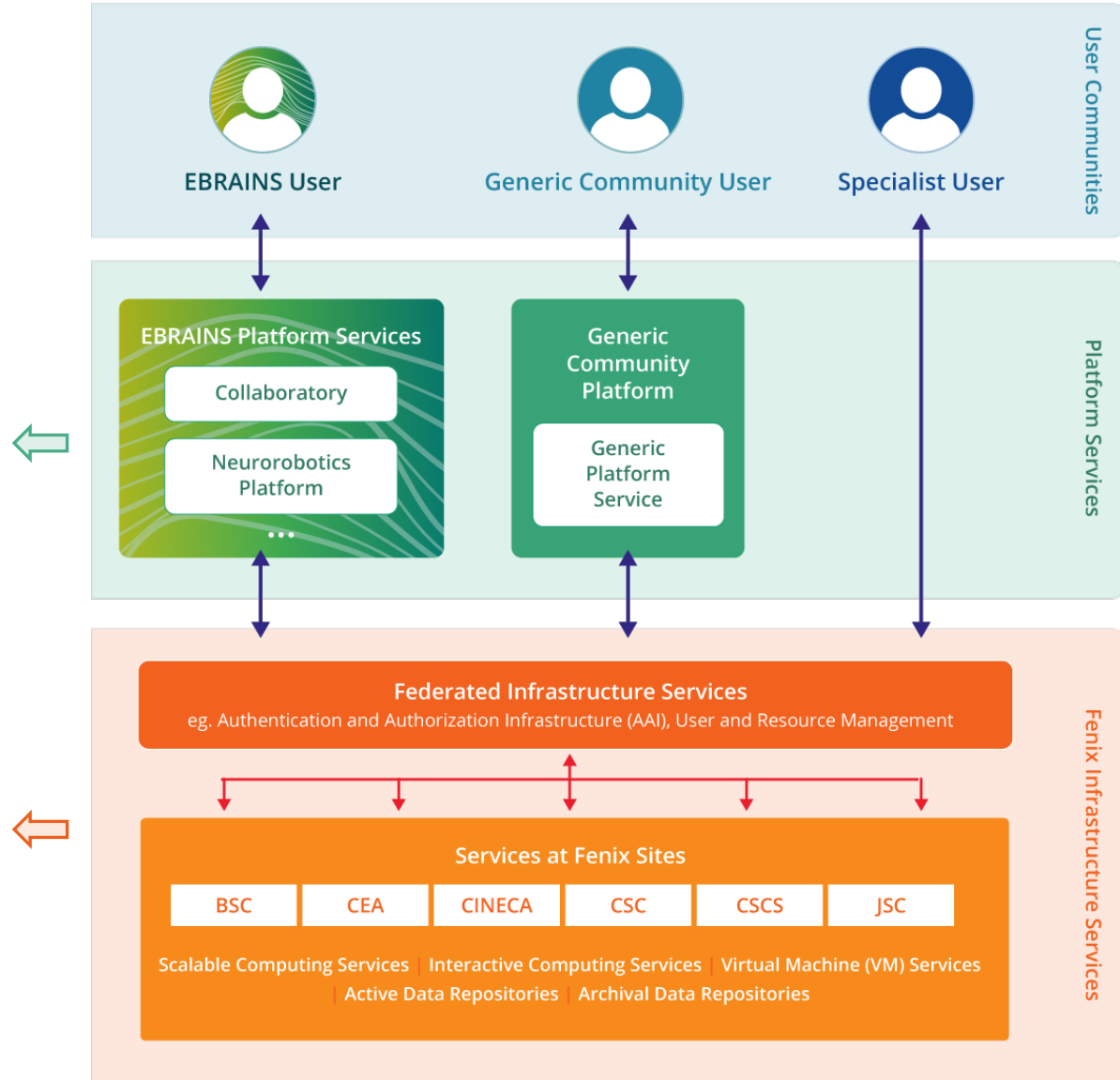
Introduction: Fenix & ICEI

- Layered approach for e-infrastructure service provisioning:

HBP Platform/EBRAINS
Services that build
on/use
Fenix Infrastructure
Services



Fenix Infrastructure
Services for HBP and
European researchers



Fenix Infrastructure – Available Services

■ Scalable Computing Services

- Massively parallel HPC systems - **supercomputers** - that are suitable for highly parallel brain simulations or for high-throughput data analysis tasks

■ Interactive Computing Services

- Quick access to single compute servers to **analyse and visualise data interactively**, or to **connect to running simulations** on supercomputers

■ Virtual Machine (VM) Services

- Service for **deploying VMs** in a **stable** and **controlled environment**, e.g. platform services like the HBP Collaboratory

■ Active Data Repositories

- **Site-local** data repositories for **storing temporary** slave replicas of large data sets

■ Archival Data Repositories

- **Federated data store** for **long-term storage** and sharing of large data sets

➔ **Information on available resources** is published on the Fenix website: <https://fenix-ri.eu/infrastructure/resources>

Access to Fenix Services

■ For researchers in need of:

- **Scalable and interactive** computing resources
- **Virtual machine** services
- **Active and archival data** repositories

■ Calls:

- **PRACE-ICEI Call** for Proposals
(Quarterly - Deadline for current Call: **9 July 2021**)
- **Human Brain Project/EBRAINS Call** for Proposals for European Neuroscientists at Large for Using ICEI e-Infrastructure Resources
(Ongoing - **no deadline**)

■ All details on **access** to Fenix resources:

<https://fenix-ri.eu/access>

