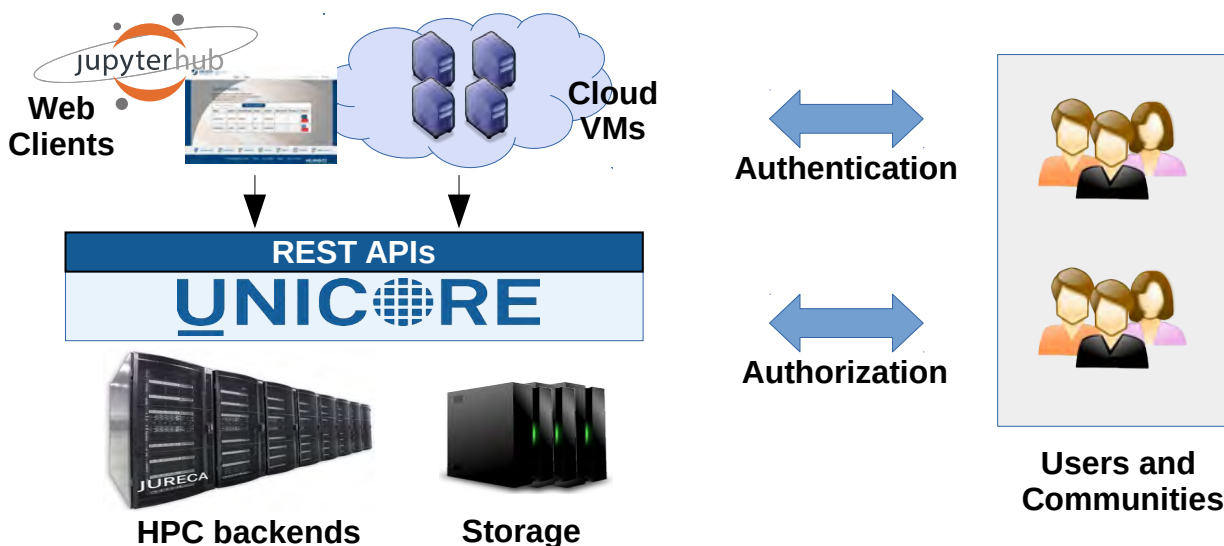# UNIC●RE

ENABLING FEDERATED ACCESS TO HPC RESOURCES

- **UNICORE enables access to HPC systems via RESTful APIs and end-user clients**
- **Tools and services for scientific workflows**
- **High-throughput data transfer with UFTP**
- **Flexible authentication and user mapping**
- **Federated identity management**
- **Designed for HPC**

Enabling hybrid HPC/Cloud workflows

Web Clients

Cloud VMs

REST APIs

UNIC●RE

HPC backends

Storage

Authentication

Authorization

Users and Communities

Providing HPC access for the Human Brain Project

- Federation of major European HPC centres
- HPC simulations and scientific workflows
- Integration into community portals via UNICORE's RESTful APIs

Human Brain Project

Federated identity management

- Integrate with third-party identity providers (OIDC, SAML, LDAP, ...)
- Enabled by flexible, highly extensible solution www.unity-idm.eu

UNITY

https://www.unicore.eu