eosc | Federation

EOSC Node Switzerland



EOSC Node | Switzerland

EOSC-CH: BUILT TOGETHER

The consortium spans all five ESFRI Science Cluster domains and HEIs across every Swiss region, anchored by SERI, the SNSF. swissuniversities all coordinated nationally through the Swiss EOSC Forum:

- **ETH Zurich** and Swiss National Supercomputing Center **CSCS**
- École Polytechnique Fédérale de Lausanne **EPFL**
- Switzerland's National Research and Education Network **Switch**
- Swiss Institute of Bioinformatics **SIB**
- Swiss Centre of Expertise in the Social Sciences **FORS**
- Paul Scherrer Institute PSI
- Swiss Federal Laboratories for Materials Science and Technology **Empa**
- Swiss National Data and Service Center for the Humanities **DaSCH**
- Vaud University Hospital (Centre hospitalier universitaire Vaudois) **CHUV**
- University of Applied Sciences and Arts of Western Switzerland **HES-SO**
- University of Basel **UNIBAS**
- University of Fribourg **UNIFR**
- University of Lausanne **UNIL**
- University of Zurich **UZH**
- Berner Fachhochschule **BFH**
- **Unidistance**
- **Premotec**
- Swiss nodes of **CLARIN, DARIAH, ICOS, ELIXIR, CESSDA, SHARE** and **ESS**
- *with the support of*
- **SERI**
- Swiss National Science Foundation **SNSF**
- **Swissuniversities**
- Swiss Academies of Arts and Sciences **A+**
- Swiss Data Science Center **SDSC** of ETH Zurich and EPFL
- Swiss Social Sciences and Humanities Open Cluster **SSHOC-CH**
- Swiss Research Data Support Network **SRDSN**

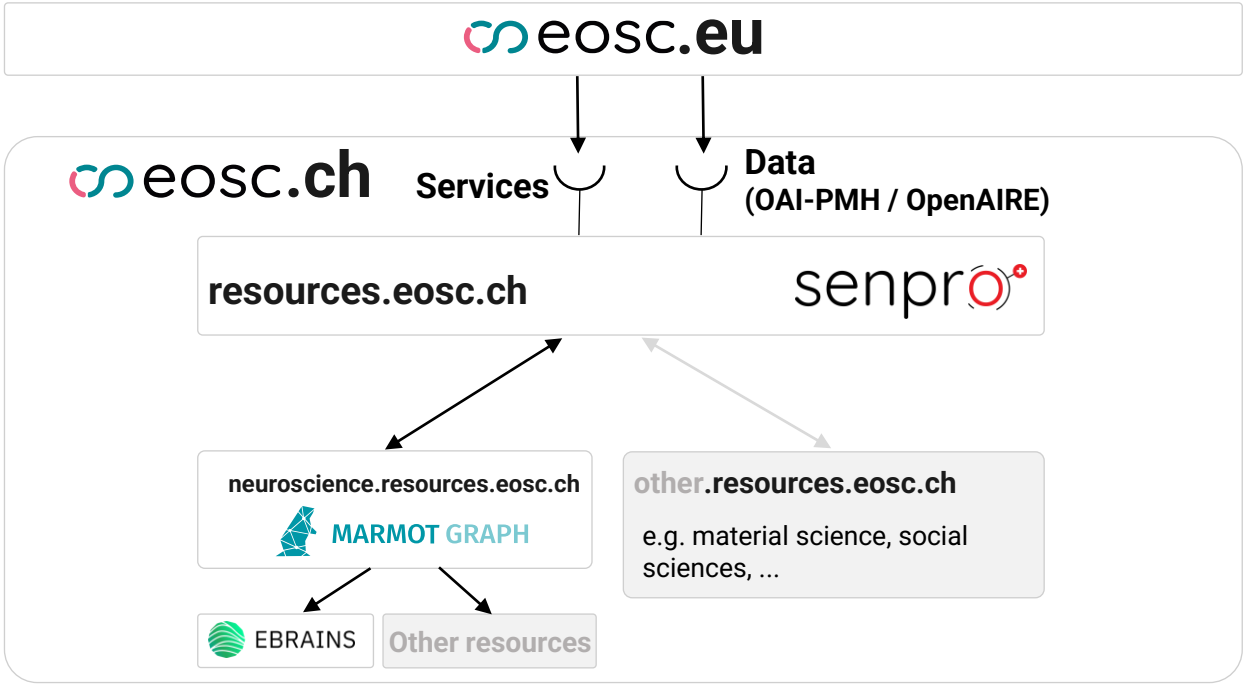
In the Swiss tradition of subsidiarity and consensus, EOSC-CH was designed together with the community it serves — via SENPro's needs assessments and prototype testing.

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FROM PROOF OF CONCEPT TO EOSC-CH PRODUCTION

SIX USE CASES

Improving Discoverability – Making research resources easy to find and reuse.
Enabling Smarter Research Access – Connecting disciplines through standardized metadata and access information.
A Federated, Community-Driven Approach – Federating existing infrastructures through community collaboration.
Driving Adoption and EOSC Impact – Turning EOSC principles into sustainable research value.



Reconstructing human history
aDNA, archaeology & astronomy on Galaxy — with DaSCH, ETH Zurich, Basel, Geneva, Lausanne.

Materials science, data to publication
Muon experiments through to FAIR publication on Materials Cloud, aligned with PaNOSC.

Reproducible cross-node workflows
Compute-to-data model for food research, orchestrated with GALAXY and REANA.

Federated training material
Feeding glittr.org and Swiss content into ELIXIR's Tess, and via mTess-X into PaNOSC.

Trusted Research Environments
Federated analysis of sensitive health, social-science & linguistics data — with Czechia & EBRAINS.

Drug discovery & biodiversity
Federating Swiss biodata — SIB, SWISS-MODEL, SIBiLS, ExpasyGPT.