swissuniversities

Programme Open Science II

Cross-Dimensional Projects: Mobilise and facilitate participation in relevant international initiatives

List of Approved Projects

Call Deadline: Submissions are accepted on a rolling basis

Overview Approved Projects for International Initiatives

Approved in June 25

Short title	Full title	Leading institution	Partner institution(s)	Project Manager	Total costs (CHF)	Funds requested (CHF)
SENPro	Swiss EOSC Node Prototype	ETH Zürich	Universität Basel, UNIL, UZH, FORS, SIB, SNSF, Switch	Thomas Schulthess	835 985	250 000

Approved in December 25

Short title	Full title	Leading institution	Partner institution(s)	Project Manager	Total costs (CHF)	Funds requested (CHF)
CH-GFRN	Participation in the Global Federation of Reproducibility Networks	UZH	-	Leonhard Held	51’578	25’789
SwissGA4GH	Swiss Integration with the Global Alliance for Genomics and Health (GA4GH) - International Standards for Biomedical Genomics	UZH	HES-SO	Michael Baudis	100’000	50’000

Short Summaries of the Projects

Abstracts by the applicants:

SENPro

Swiss EOSC Node Prototype

This project aims to assess and to prototype a national interdisciplinary node of EOSC as a logic consequence for long-established collaborations within clusters. The initiative focuses on defining and implementing a framework for interoperability, compliance with EOSC standards (continuously defined by the European EOSC community), and seamless integration of Swiss resources and services across scientific clusters. A total of 8 partners will collaboratively: (i) assess existing Swiss research infrastructures of national importance, higher education institutions, Swiss nodes of ERICs, as well as other resources for the long tail of research, (ii) analyze key requirements to develop a national node prototype, (iii) prototype and deploy a FAIR-compliant Resource Hub / Catalogues (with Registry Services, WP4) and SENPro Instance (WP3) ensuring smooth onboarding of multidisciplinary research resources and services, (iv) engage with the Swiss researcher community and infrastructures through beta-testing and feedback collection, (v) align with European frameworks, ensuring compliance with EOSC governance, identity federation, and business models, and (vi) formulate legal and sustainability regulations, define governance structures and outline potential pathways for long-term funding strategies.

By fostering interoperability and aligning with EOSC Federation principles, this project will contribute to advancing the Swiss Open Science landscape by making a concrete proposal of how national research infrastructures could be integrated into EOSC. Through this project, Switzerland makes a first step towards not only contributing but also accelerating the implementation of the EOSC vision nationally and internationally, thus enhancing and accelerating research excellence and innovation in Switzerland.

CH-GFRN

Participation in the Global Federation of Reproducibility Networks

The Swiss Reproducibility Network (Swiss RN) is a peer-led consortium of researchers and institutions that aims to promote rigorous, transparent and reproducible research practices in Switzerland. It currently consists of local nodes at 16 Swiss research institutions. The Center for Reproducible Science and Research Synthesis (CRS) at the University of Zurich is one local node and also the Swiss RN’s administrative seat.

In 2025, the Global Federation of Reproducibility Networks (GFRN) has been established as an alliance of national and regional Reproducibility Networks (RNs). Its goals are to promote coordination and mutual learning between the RNs, to strengthen and advance the shared values of RNs, and to promote the values of RNs vis-à-vis international stakeholders. The GFRN currently consist of 22 national and regional networks. With this application, the CRS seeks to host the GFRN Coordinating Office for 2026. The project will ensure operational stability for the GFRN, position the Swiss RN as a trusted partner in advancing transparent and responsible research practices, and strengthen Switzerland’s integration and leadership in the international Open Science landscape.

SwissGA4GH

Swiss Integration with the Global Alliance for Genomics and Health

Since its inception in 2013, the Global Alliance for Genomics and Health (GA4GH; Rehm et al.2021) has become the leading international organisation for developing standards, policies, and tools that enable responsible and effective use of genomic and health-related data within a human rights framework. GA4GH is a global effort to advance standards for genomic and health data sharing, and while Swiss institutions and initiatives such as UZH, SPHN, and SIB have contributed since its early days, national representation has so far relied primarily on individual voluntary efforts rather than supported engagement.

Given GA4GH's pivotal role in advancing global data interoperability and precision medicine, it is essential for Switzerland to foster active participation and to strengthen a national community that can effectively engage with and shape international standards. The Swiss GA4GH project builds on existing expertise and resources from Swiss academic and national initiatives to establish a coordinated framework for Swiss involvement in GA4GH activities.

Specifically, the project will support the development of international standards and best practices for variant representation and data discoverability, promote their adoption leveraging Swiss infrastructures such as SPHN, SIB and ELIXIR network and organize a Swiss GA4GH workshop to foster collaboration between national and international stakeholders.

Through these activities, SwissGA4GH will help ensure that Swiss data practices remain aligned with global standards, enhance the visibility and impact of Swiss contributions and support a more open, interoperable and sustainable ecosystem for genomic and health data in Switzerland.