

Scientific information

Access, processing
and safeguarding

A solid red circle is positioned in the bottom right corner of the page.

Program
P-5

swissuniversities

What is swissuniversities?

The **swissuniversities** association is the **Rectors' Conference** of Swiss universities, universities of applied sciences and universities of teacher education. It represents their interests throughout Switzerland and at an international level.

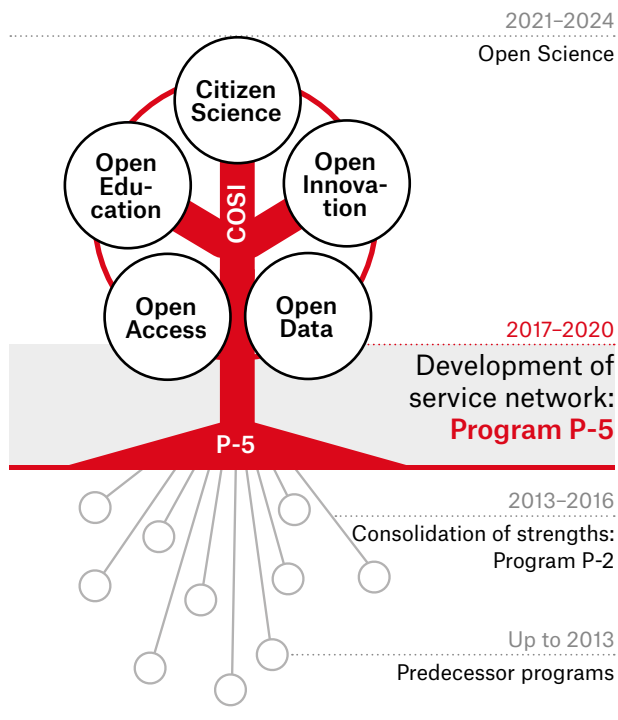
Among other tasks, **swissuniversities** accepts mandates from the federal government as well as responsibility for program and project management. This brochure provides information on the ongoing **Program 5 (P-5)**. P-5 shapes **access to scientific information as well as its processing and safeguarding** – for the future of research and teaching, for a competitive economy and for a progressive society.

www.swissuniversities.ch/isci



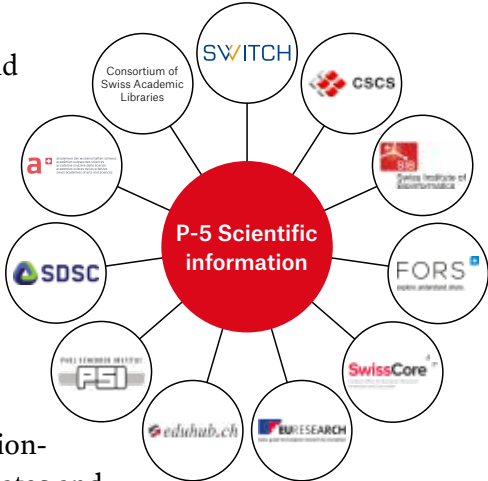
P-5: Forward-looking scientific information

The innovative strength of Switzerland is driven by researchers, research institutions, companies and citizens who draw on, share and utilize research results. P-5 lays the foundations for open science through activities that aim to open up the scientific world. This is achieved by ensuring access to scientific publications and research data that is as unimpeded as possible as well as the exchange of research results.



P-5: A multifaceted ecosystem

P-5 promotes exchanges and dialog between representatives from the world of science. The program serves to consolidate the still dispersed efforts of higher education institutions and coordinates the provision and processing of scientific information.



Thanks to targeted promotional measures, the P-5 program initiates and manages coordination between the higher education institutions with the objective of improving the supply of digital scientific contents and creating optimized tools for their processing.

Process management and qualification of projects and services

From the project...

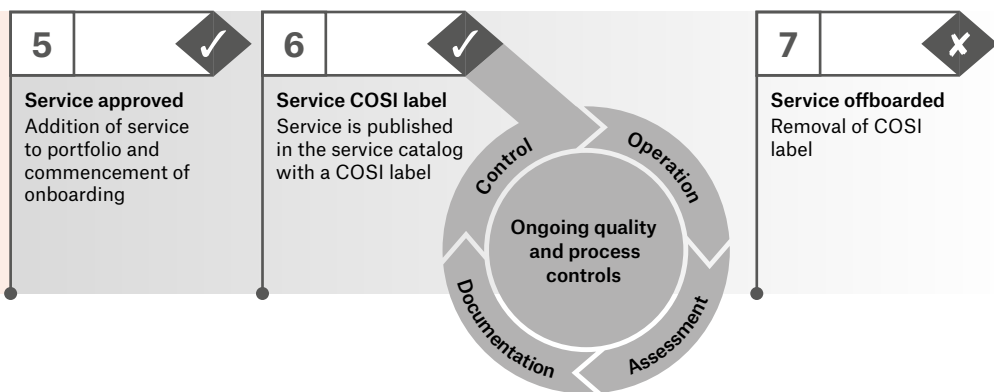
...to the service

1		2		3		4	
Project idea Preliminary check of project ideas and coaching		Project application Evaluation of project application and the initial business plan		Project approved Project receives subsidy funding and coaching		Service application Commitment (binding agreement) from the university administration, evaluation of business plan and service description	

P-5: From projects to services

P-5 provides start-up financing to high-quality, application-based and practical projects which offer real benefits to the worlds of research, education, industry and society. The projects are selected as part of a competitive process.

Within the framework of the national COSI platform, which is currently being developed, P-5 supports the transition of completed projects into the provision of real services that are made available to researchers and society. The services provide improvements and concrete solutions and thus make an important contribution to research and the sustainable development of Switzerland as a scientific location of excellence in the world.



A selection of current projects:

3

«SLSP»:

Scientific information from Switzerland's libraries is made accessible and available

Switzerland's scientific libraries are centrally linked to one another in the SLSP system. Enormous volumes of existing scientific publications are thus made accessible and available and can be researched. The scientific community thus gains simple access to this information, regardless of the respective hardware and software infrastructure, while libraries receive an efficient library management system and additional services.

www.slsp.ch



3

«SONAR»:

Future archive for scientific publications

The Swiss Open Access Repository (SONAR) intends to collect, promote and safeguard the publications of authors who are linked to Switzerland's public research institutions. SONAR acts as an «institutional repository as a service (IRaaS)» for interested Swiss higher education institutions and allows them to add the publications of their researchers.

<https://sonar.ch>



4

«histHub»

Networked and standardized data for historical sciences

histHub is a research platform for the historical sciences. The platform manages standard data on Swiss history and also develops digital tools for the networking of data sets. With these two focus areas, histHub pursues its primary objective of improving the interoperability of research data in the area of historical sciences.

www.histhub.ch

*hist***Hub**

4

«openRDM.swiss»

Research data management system for the Swiss research community

The openRDM.swiss project offers research data management as a service for the entire Swiss scientific community. The service is based on the high-performance openBIS data management platform. openRDM.swiss is available as a cloud-based option on SWITCHengines and provides a flexible system for researchers to manage their data without requiring special IT knowledge. Institutions with their own IT support can also operate the solution autonomously on campus.

www.openrdm.swiss

The logo for openRDM.swiss features a stylized 'X' shape composed of four intersecting lines, with the top-right and bottom-left lines ending in red 'X' marks. Below this graphic, the text 'openRDM' is written in a bold, sans-serif font, and '.swiss' is written in a smaller font size directly underneath.

4**«DLCM»****Tailored research data management**

DLCM phase 2 aims to offer solutions in the area of research data management in Switzerland. OLOS, the long-term data preservation and publication solution, which is based on an open and modular architecture and meets the requirements of FAIR and the financial authorities, will be available shortly. The multilingual coordination desk offers the academic community tailored support, advice and training via a network of experts.

www.dlcm.ch**4****«Materials Cloud»****Platform for scientific cloud computing and the exchange of research data.**

Materials Cloud is an open science platform for education and research purposes in the areas of computer-supported materials science, physics and chemistry. It provides software as a service (SaaS), which can be used by researchers and students to conduct scientific calculations online. Materials Cloud also allows for the exchange of scientific data in accordance with the basic principles of open science, including information on data origin for maximum reproducibility.

www.materialscloud.org

4

«Swiss MOOC Service»

Swiss solution for massive open online courses

The Swiss MOOC Service is a MOOC platform that is based on Open edX technology. The objective of the Swiss MOOC Service is to provide higher education institutions with new opportunities for accessing the global training market. At the same time, the service also promotes active learning for students and professional online testing. The Swiss MOOC Service is a joint project of various Swiss higher education institutions.

www.swissmooc.ch



Swiss MOOC Service

A selection of current services:

4

«SWITCH edu-ID»

Digital identity for the Swiss university environment

SWITCH edu-ID is a further development of the well-established SWITCHHaai, the national standard for electronic university identities. As a long-lasting, user-oriented and secure identity, SWITCH edu-ID is available to everyone who has contact with Swiss higher education institutions and takes account of the growing requirements in the areas of life-long learning, mobility and collaboration.

www.switch.ch/edu-id

SWITCH

4

«CCdigitallaw»

Competence Center in Digital Law: for legal issues relating to digitalization

The Competence Center in Digital Law supports Swiss universities as well as teachers, researchers, employees, IT services and administrations in connection with legal issues pertaining to new media and technologies. The focus is currently on the topic of copyrights – this will be followed by themes such as data protection, license agreements, etc.

www.ccdigitallaw.ch

CCdigitallaw.ch

4

«e-manuscripta.ch: Volltext»

New module for the creation of transcriptions

At e-manuscripta.ch, the platform for digitized hand-written sources from Swiss libraries and archives, it is now possible to create transcriptions for all pages that have already been activated and to publish them on the platform right next to the digitized version. The newly developed work process allows for uncomplicated interactions between transcribers and the editorial team responsible for the release of their work.

www.e-manuscripta.ch



5

SWITCHengines:

tailored storage and virtual machines for the academic community

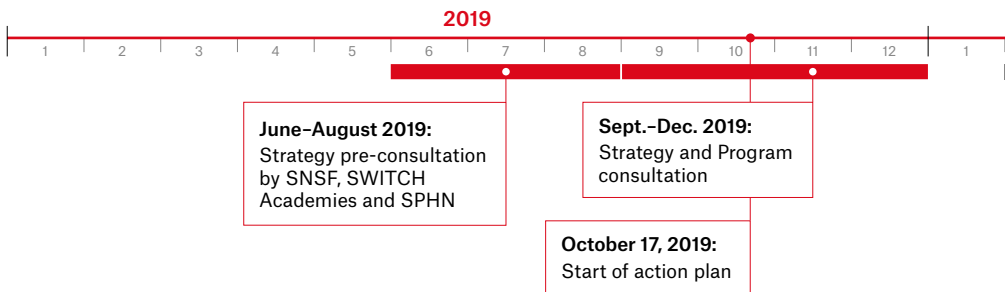
SWITCHengines offers researchers, lecturers and IT services of Swiss universities as well as related institutions computing and storage services in the form of virtual machines and storage space. SWITCHengines is therefore expanding the boundaries of local infrastructures for research, education and IT services. Projects that are supported by the Swiss National Science Foundation (SNSF) can bill the costs in full through the SNSF as part of the project's financing.

www.switch.ch/engines





Open Science milestones

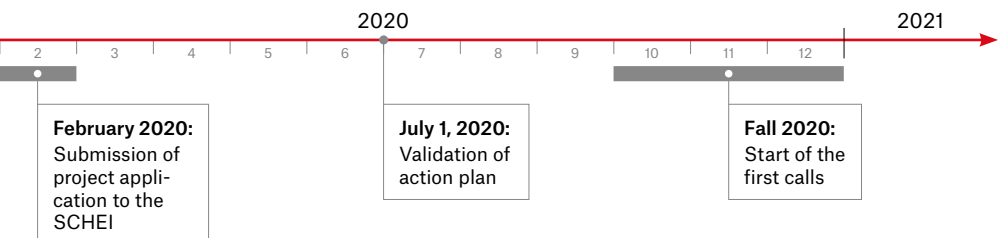


Open Science

Based on P-5, the Open Science program will create the conditions to ensure that Swiss higher education institutions can **reuse, distribute and reproduce** research data and methods electronically. It will do so in accordance with the «**FAIR**» principle, which aims to make all information findable, accessible, interoperable and reusable.

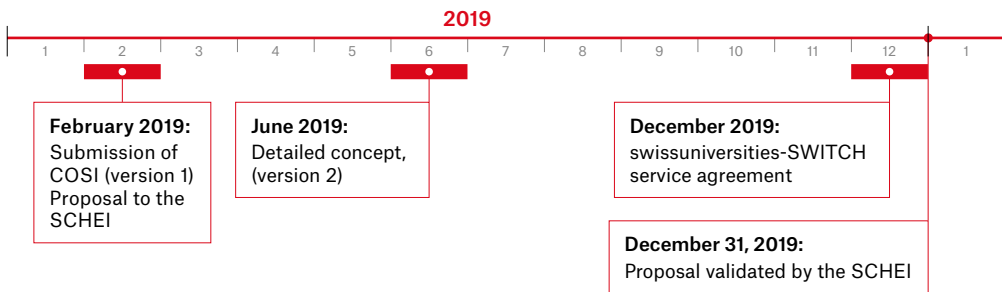
Open Science comprises several application domains that are to be implemented in the period between 2021 and 2024. The program will support the higher education institutions in making a contribution to open science while safeguarding their own autonomy. Important pillars of this program include the application domains of **Open Innovation, Open Education, Citizen Science, Open Access and Open Data** as well as the achievements from P-5.

This will help Switzerland improve its chances of confirming and further expanding its leading position in the fields of research and teaching as well as its reputation as one of the world's most innovative countries.





COSI milestones

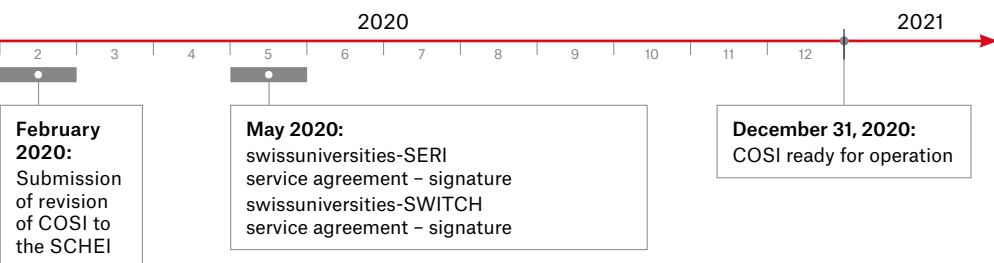


COSI

(Coordination Office for Scientific Information)

As a **coordination office**, COSI plays the role of a **hub between the higher education institutions**. COSI supports them with the development and provision of national services in the area of «scientific information». COSI coordinates a sustainable, dynamic portfolio of shared services and infrastructures for them and fosters the relationships between service providers and customers.

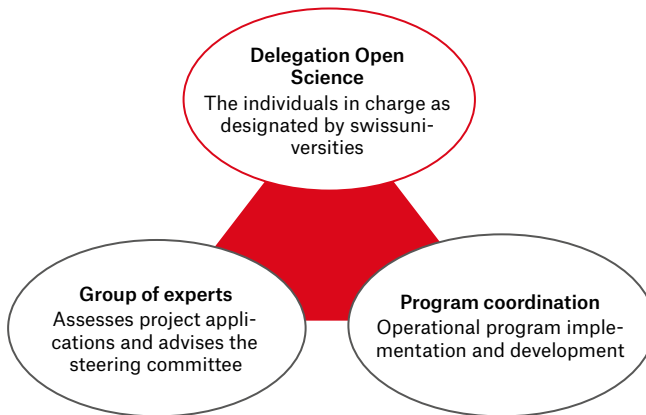
With COSI, a new opportunity will be created to offer services in a simple manner on an inter-institutional basis as well as to gain an overview of all services.





Program organization and coordination

Responsible for operational program implementation and development:



Delegation Open Science

Jean-Marc Piveteau
President

Christian Schwarzenegger
Vice president

Group of experts

Christian Tschudin
President

Program coordination



Patrick Furrer
Program Coordinator
T +41 31 335 07 81
patrick.furrer@swissuniversities.ch



Sari Amstutz
Program Assistant
T +41 31 335 07 63
sari.amstutz@swissuniversities.ch



Manuel Elgorriaga Kunze
Service Management
T +41 55 222 42 78
isci-servicemanagement@swissuniversities.ch



Aude Dieudé
Portfolio Management
T +41 31 335 07 84
aude.dieude@swissuniversities.ch



Gabi Schneider
Open Access
T +41 31 335 07 83
gabi.schneider@swissuniversities.ch



Anisa Graf
Communication
T +41 31 335 07 86
anisa.graf@swissuniversities.ch

Publisher

swissuniversities
Effingerstrasse 15, PO Box, 3001 Bern
General Secretariat T +41 31 335 07 40
swissuniversities.ch

Concept, design, text

dialogart.ch, Zofingen

Photography

frey-photography.ch, Zofingen
gettyimages.com

Printing

ztpriint.ch, Zofingen

First edition, 2019 (200 copies)
The brochure can be obtained free of charge
from swissuniversities.
© swissuniversities 2019

Copyright

The contents of this publication may be used,
shared and reproduced in all forms without
restriction provided the authors and the source
are cited appropriately.

P-5 / 06-2019 / E



swissuniversities

Effingerstrasse 15, PO Box

3001 Bern

www.swissuniversities.ch