

Switzerland is a decentralised state. The division of tasks between the private and public sectors in the field of research and innovation has established itself over time and is based on two pillars of Swiss politics, namely subsidiarity and a liberal economy. The state is active in the areas where it has an explicit constitutional mandate. Education, research and innovation exist in a complex complementary system, in which different responsibilities and subject matters interlace. For further information about the Swiss R&I System and the roles of state, cantons and private sector, please check: <https://www.sbf.admin.ch/sbf/en/home/research-and-innovation/research-and-innovation-in-switzerland.html> )

## **R&I Policies and Strategies**

Country has a dedicated strategy for research and innovation related to pandemic threat? **Yes**

R&I strategy URL <https://www.bag.admin.ch/bag/en/home/krankheiten/ausbrueche-epidemien-pandemien.html>

For the research financed by the SNSF: <https://data.snf.ch/grants/documentation>

Country has an open science portal with information on publicly financed scientific research? **Yes**

<https://www.aramis.admin.ch/>

R&I portal For the research financed by the SNSF <https://data.snf.ch/key-figures>

Country has R&I webpage on COVID-19; Antimicrobial resistance (AMR); Chemical, Biological, Radiological and Nuclear (CBRN) threats ; Other : <https://www.bag.admin.ch/bag/en/home/das-bag/ressortforschung-evaluation.html>

Website open science/ open data initiative with respect to pandemic threats, such as COVID-19 open

Name	URL
COVID-19 Switzerland	<a href="https://www.covid19.admin.ch/en/overview">https://www.covid19.admin.ch/en/overview</a>

Country has coordinating structures to link public health needs and research needs? **Yes**

Coordinating structures URL <https://www.news.admin.ch/news/message/attachments/82996.pdf>

Please note: Document in German, French and Italian only

## **R&I Infrastructures (not exhaustive)**

Country has the following research infrastructure for infectious diseases and outbreaks available, or under construction	BSL 3; BSL 4; Emergency intervention units; Clinical trial units; High level isolation units; High level isolation transport; Open genome deposits for viruses; Open genome deposits for bacteria; Open genome deposits for AMR; Reference centres of excellence; Other (Swiss Biobanking Platform, Swiss personalized Health Network, Swiss Hiv Cohort Study, Swiss Hepatitis C Cohort Study, Pandemic preparedness population-based household cohort including adults, children and household pets) - not exhaustive
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Name Infrastructure	Type Infrastructure	URL	Max Capacity	Available for	Open to
15 Reference centres List only available in DE,FR,IT	Reference centres of excellences	<a href="https://www.bag.admin.ch/bag/en/home/krankheiten/infektionskrankheiten/-bekaempfen/meldesysteme-infektionskrankheiten/meldepflichtige-ik.html">https://www.bag.admin.ch/bag/en/home/krankheiten/infektionskrankheiten/-bekaempfen/meldesysteme-infektionskrankheiten/meldepflichtige-ik.html</a>			
BEready Cohort	Population-based cohort which collects questionnaire data and biological samples	<a href="https://www.beready.unibe.ch/">https://www.beready.unibe.ch/</a>		Academia	Yes

DKF Basel, CTU Bern, CRC Geneva, CRC Lausanne, CTU-EOC Lugano, CTU St. Gallen, CTC Zürich	Clinical trial units	<a href="https://www.scto.ch/de/clinical-trial-units.html">https://www.scto.ch/de/clinical-trial-units.html</a>		
Genome 2030	open genome deposit for viruses and bacteria	<a href="https://www.health2030genome.ch/">https://www.health2030genome.ch/</a>	Academia	Yes
HUG	High level isolation units	<a href="https://www.hug.ch">https://www.hug.ch</a>		
Spiez Laboratory	BSL4	<a href="https://www.spiezlab.admin.ch/en/home.html">https://www.spiezlab.admin.ch/en/home.html</a>		
Swiss Biobanking platform		<a href="https://swissbiobanking.ch/">https://swissbiobanking.ch/</a>	Independent organisation	Yes
Swiss Center for Antibiotic Resistance (anresis)		<a href="https://www.anresis.ch/">https://www.anresis.ch/</a>	Academia	Yes
Swiss Clinical Trial Organisation (SCTO)		<a href="https://www.sctoplatforms.ch/">https://www.sctoplatforms.ch/</a>	Independent organisation	Yes
Swiss Hepatitis C Cohort Study (SCCS)		<a href="https://www.swishcv.org/">https://www.swishcv.org/</a>		
Swiss Hiv Cohort Study (SHCS)		<a href="https://www.shcs.ch/">https://www.shcs.ch/</a>		
Swiss Pathogen Surveillance Platform (SPSP)	Open genome deposits for viruses, bacteria and for AMR	<a href="https://www.spssp.ch/">https://www.spssp.ch/</a>	Academia	Yes
Swiss Personalized Health Network (SPHN)		<a href="https://sphn.ch/">https://sphn.ch/</a>		
USZ	High level isolation units	<a href="https://www.usz.ch/">https://www.usz.ch/</a>		
Country supporting the participation to the following ESFRI initiatives relevant for infectious diseases			BBMRI; EATRIS; ECRIN	

Website network of clinical trials (e.g. to facilitate the access to clinical trials) the country is involved in

<https://eu-response.eu/>  
<https://ecrin.org/>  
<https://www.ecraid.eu/>  
<https://vaccelerate.eu>  
<https://www.who.int/emergencies/diseases/novel-coronavirus-2019/global-research-on-novel-coronavirus-2019-ncov/solidarity-clinical-trial-for-covid-19-treatments>  
<https://www.sctoplatforms.ch/>

## **Budget mobilisation mechanisms and funding sources**

### **Basic Research**

url <https://www.snf.ch/en/WAvYcY7awAUGoIST/funding/projects/projects-in-all-disciplines>

funding for basic research accessible for industry? No

source of funding Public (research) agencies

### **Applied Research**

url  
funding for applied research accessible for industry?  
source of funding      Public (research) agencies

**Translational Research**

url  
funding accessible for industry?  
source of funding

**Clinical Research in general & in pandemic phase**

url  
funding accessible for industry?  
source of funding  
phase funded?

**Innovation Projects**


url                      <https://www.innosuisse.ch/inno/de/home.html>  
funding for innovation projects accessible industry?  
Source of funding

Flexible funding during emergencies possible : Two National Research Programmes were launched to answer the challenges related to COVID19 <https://www.snf.ch/en/ROoig00P3wqY8Sws/page/nrp/nrp78>  
see also <https://data.snf.ch/stories/fast-tracking-solutions-to-the-coronavirus-pandemic-en.html>

**R&I actors, authorities and activated processes that are activated in case of a health threat**

R&I actors, authorities and                      ministries involved in case of an outbreak; mobilisation processes of research forces; mechanisms to identify promising therapies or medical products for pandemic preparedness that are in the pipeline

Name	Description	url
Innosuisse - Swiss Innovation Agency	Innosuisse funds science based innovation research	<a href="https://www.innosuisse.ch/inno/de/home.html">https://www.innosuisse.ch/inno/de/home.html</a>
State Secretariat for Education, Research and Innovation	The SERI is the federal government's competence center for national and international issues of education, research and innovation policy. Together with our partners, we are committed to ensuring that Switzerland continues to have an efficient ERI sector in the future.	<a href="https://www.sbfi.admin.ch/sbfi/en/home.html">https://www.sbfi.admin.ch/sbfi/en/home.html</a>
Swiss Federal Office of Public Health	As part of the Federal Department of Home Affairs, the Federal Office of Public Health (FOPH) is responsible for public health in Switzerland; it develops Switzerland's health policy	<a href="https://www.bag.admin.ch/bag/en/home.html">https://www.bag.admin.ch/bag/en/home.html</a>
Swiss National Science Foundation	The core mission of the Swiss National Science Foundation (SNSF) is to promote basic research. The SNSF does not grant funding for applied research with an immediate commercial potential. However, it does support research that is linked to practical issues and that also increases scientific knowledge. The majority of its funding goes towards bottom-up basic research	<a href="https://www.snf.ch/en/FKhU9kAtfXx7w9AJ/page/home">https://www.snf.ch/en/FKhU9kAtfXx7w9AJ/page/home</a>
Swiss Tropical and Public Health Institute	The Swiss Tropical and Public Health Institute (Swiss TPH) is a world-leading institute in global health	<a href="https://www.swisstph.ch/en/">https://www.swisstph.ch/en/</a>



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