

Portrait Swiss National Science Foundation

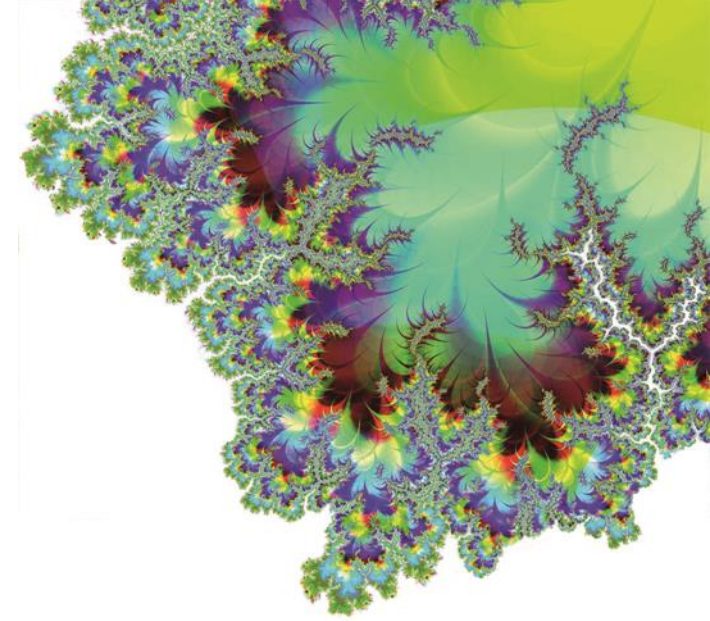
Andrea Landolt



SWISS NATIONAL SCIENCE FOUNDATION

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Swiss research landscape

Switzerland - Key facts (I)

A small country

- Population: 8,139,631 persons
- Area: 42,000 km²
- Few natural resources

An open country

- Official languages: German, French, Italian, Rhaeto-Romance
- 23.8 % of Swiss inhabitants of foreign origin
- 1 franc out of 2 in the GDP from exports

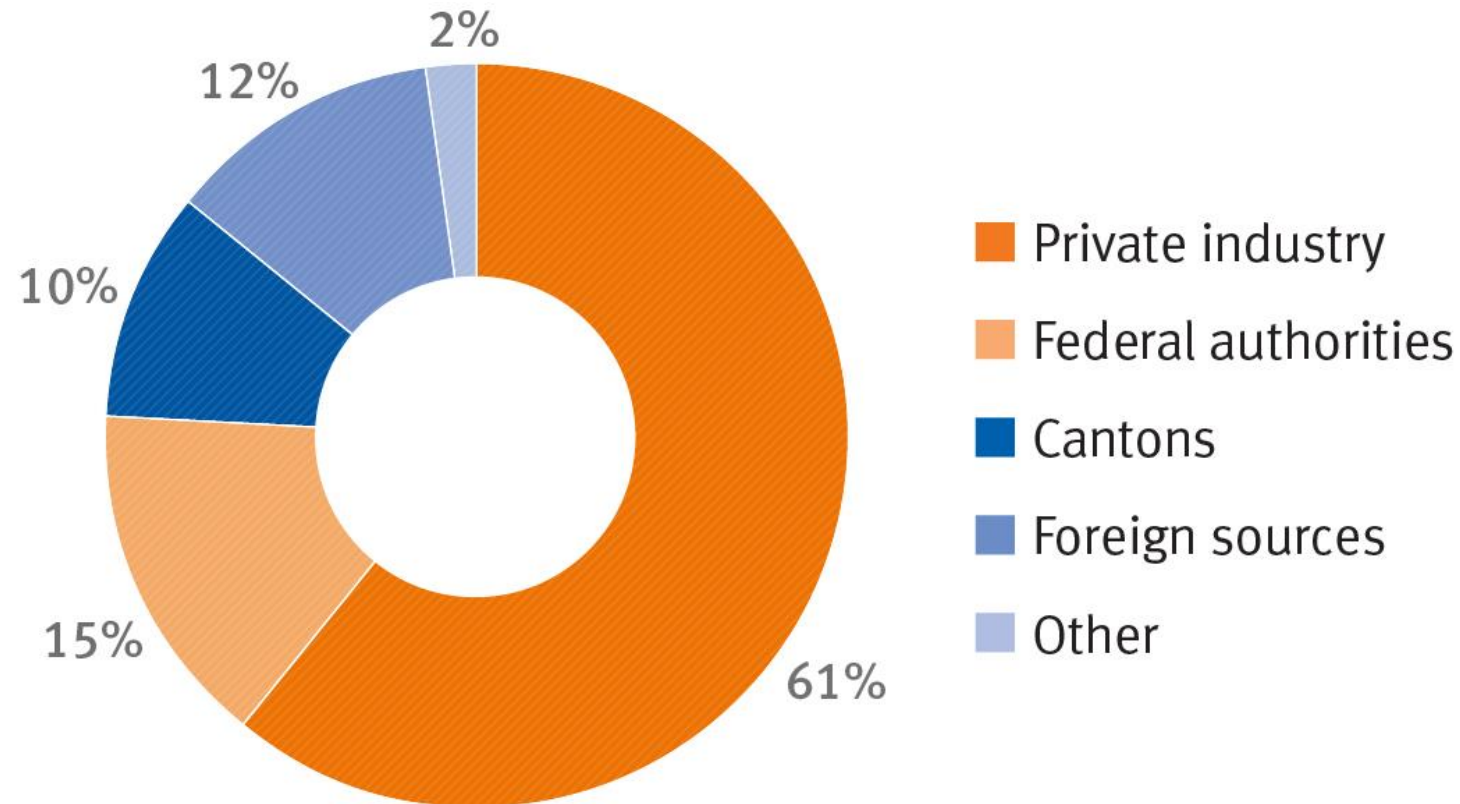


Switzerland - Key facts (II)

International higher education & research

- 30% of students are from abroad
- 50% of PhD candidates are from abroad
- 51% of professors are from abroad

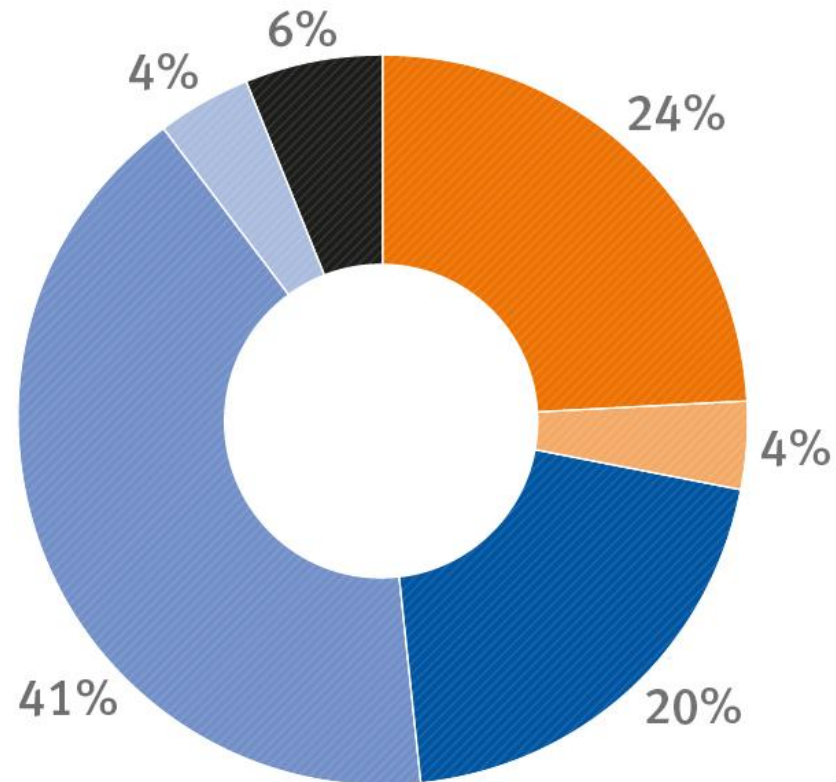
R&D: sources of finance in Switzerland



Total: CHF 18.5 billion

Source: Swiss Federal Statistical Office, data: 2012

R&D: federal funding



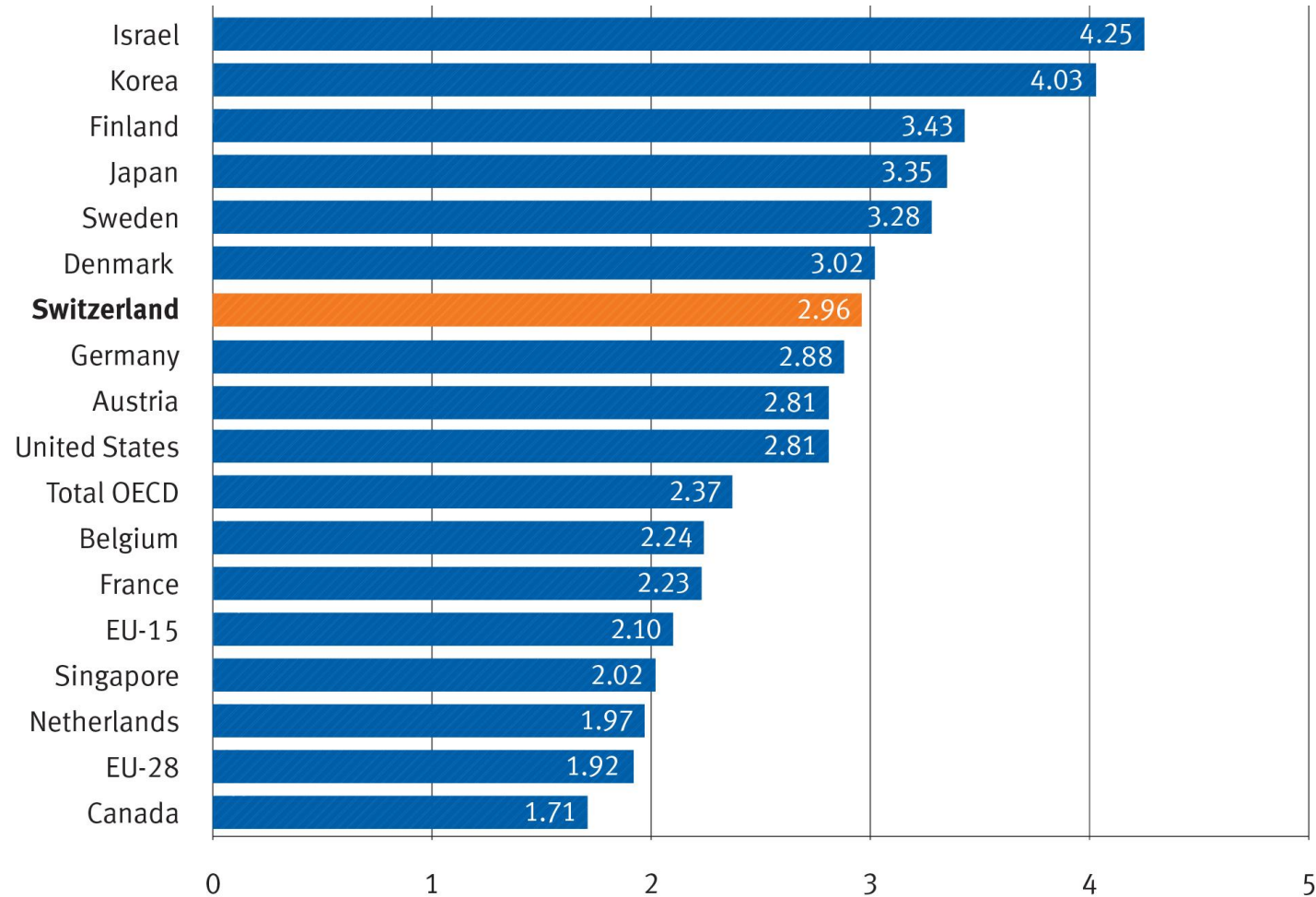
- Swiss National Science Foundation (SNSF)
- Commission for Technology and Innovation (CTI)
- European Union/Abroad
- Indirect financing at universities
- Intramuros (R&D by the Confederation)
- Other direct financing

Total: CHF 3.6 billion

Source: Swiss Federal Statistical Office, data: 2012

R&D: international comparison

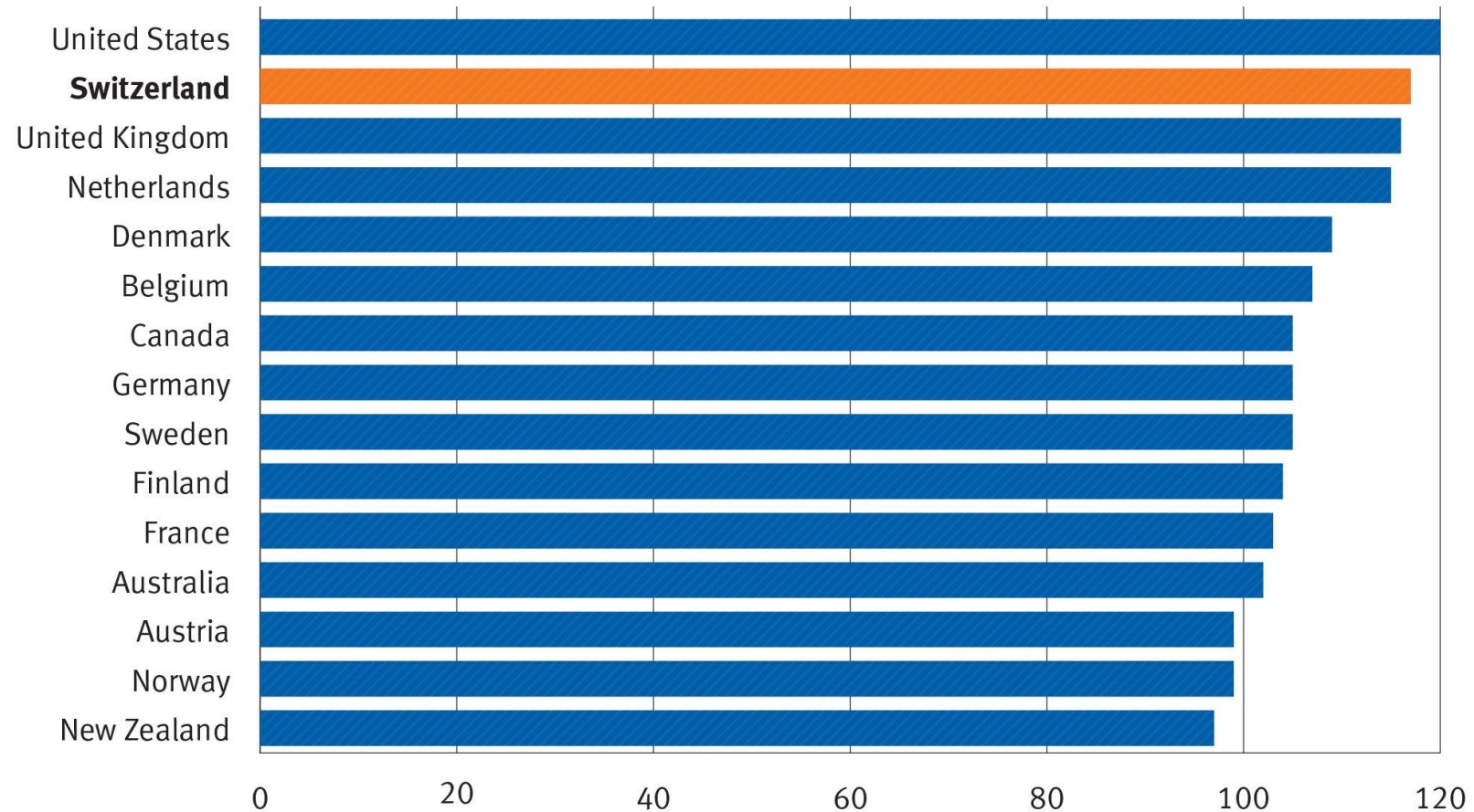
Gross domestic expenditure on R&D as a percentage of the GDP



Source: OECD, MSTI database. Data: 2012, last updated in February 2015

Impact of scientific publications

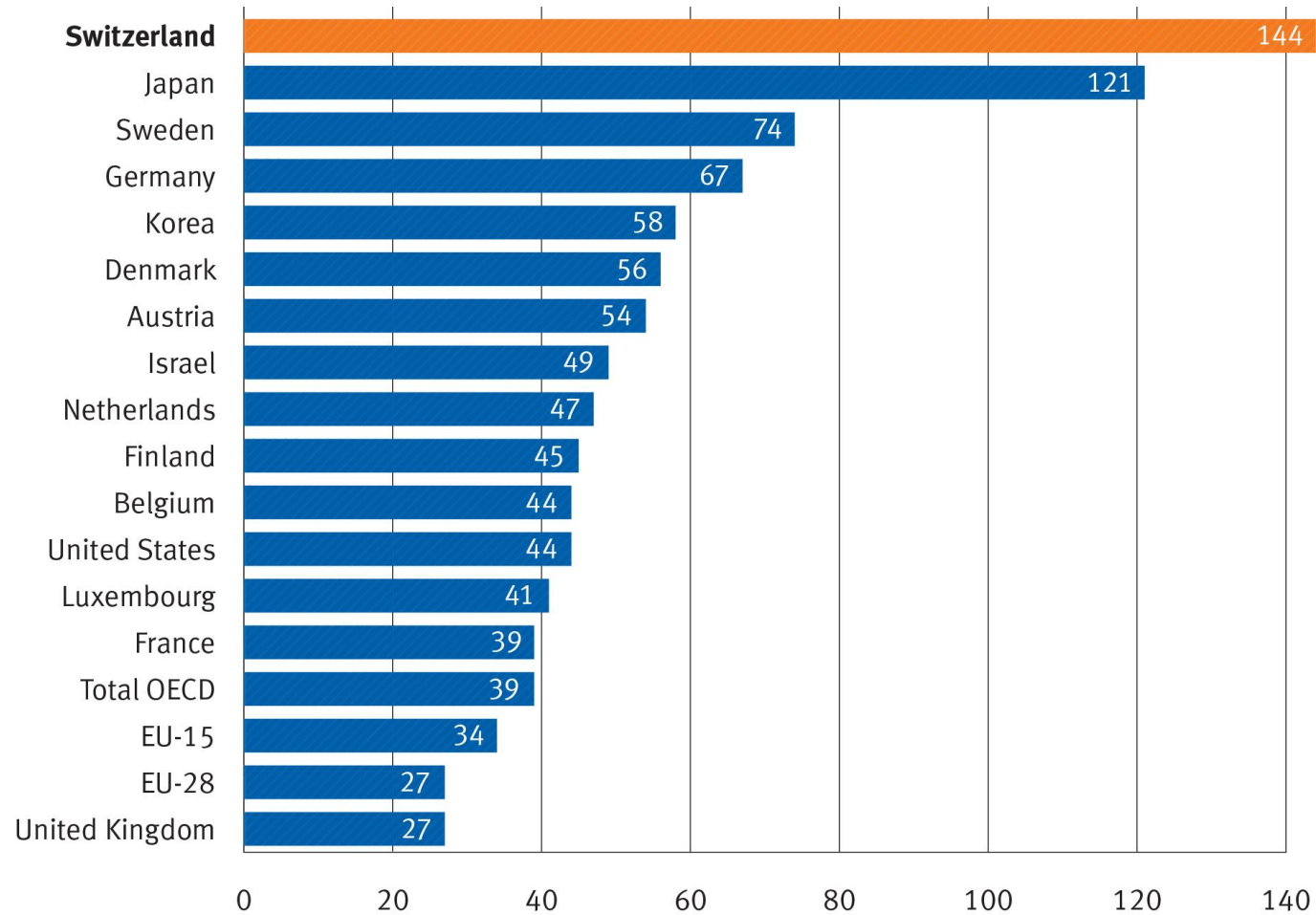
Relative citation index



Source: Thomson Reuters (SCI/SSCI/A&HCI), adaptation SERI, 2013

Patents

Number per million inhabitants



Source: Swiss Federal Statistical Office, OECD, MSTI database.



The institution

The SNSF

- promotes scientific basic research on behalf of the Confederation
- invests in young scientists
- enables research stays abroad
- promotes international co-operation
- promotes gender equality



Foremost Swiss funding agency

Each year the SNSF invests
over CHF 800 million
in over 3,400 projects
involving 14,000 researchers



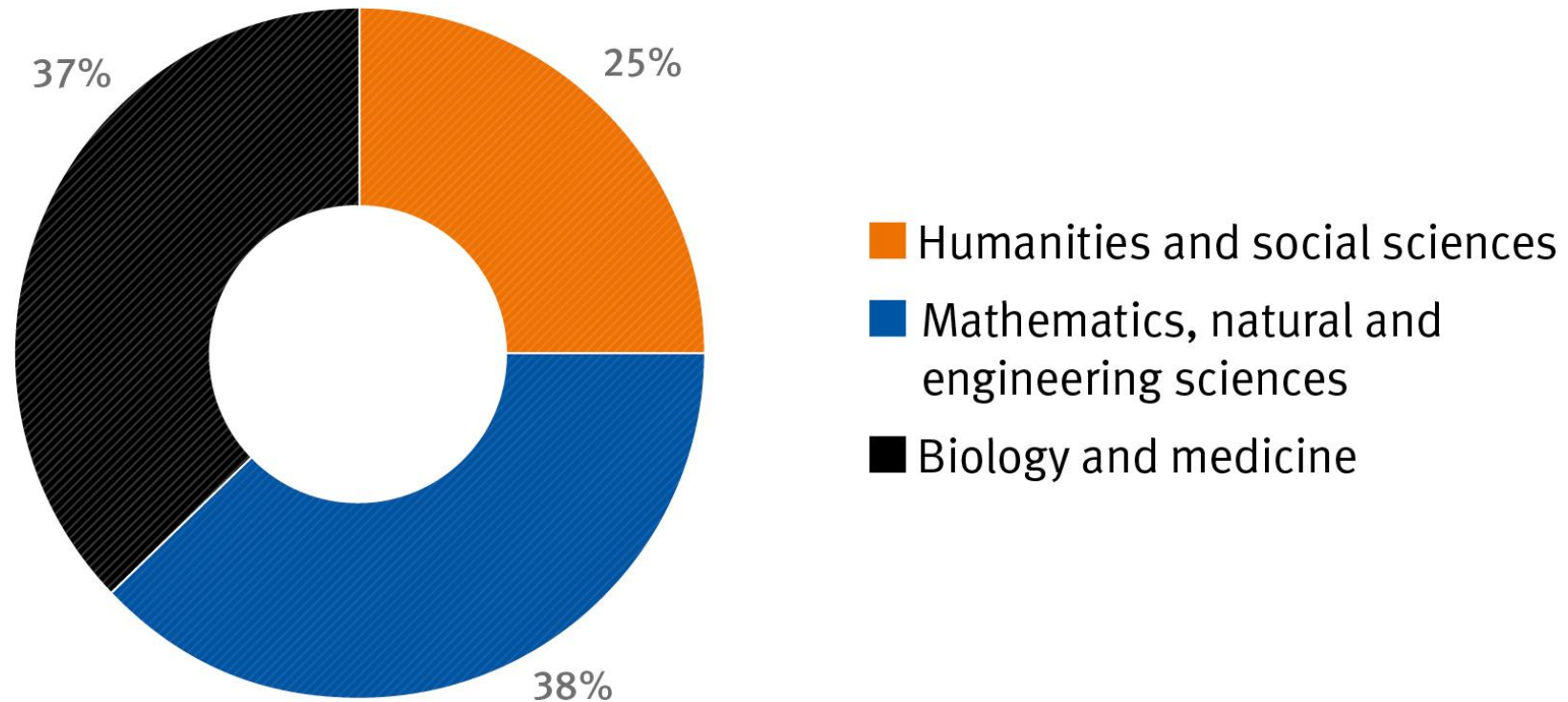


Strategic goals

To consolidate Switzerland's pole position in research

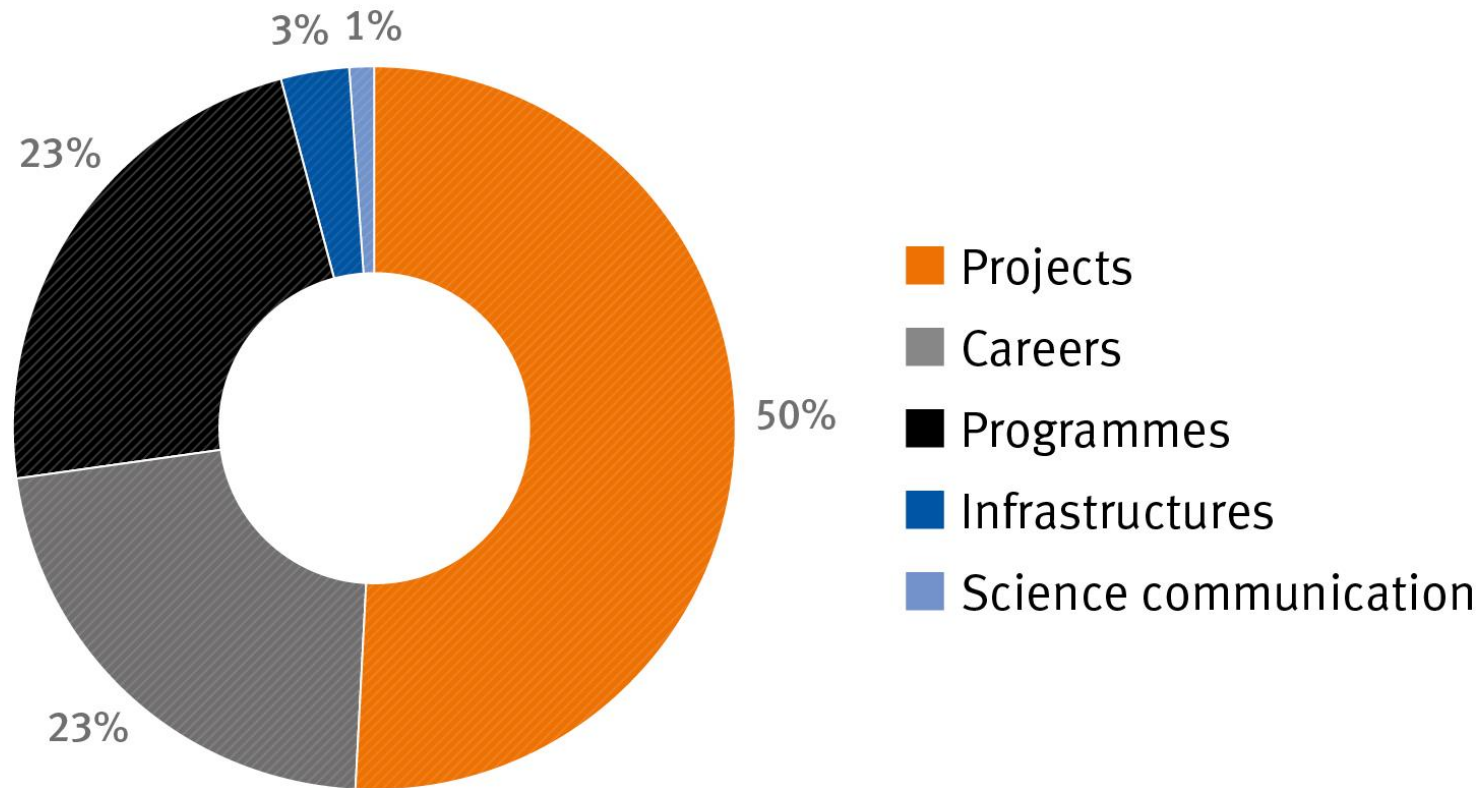
- To guarantee and improve the attractiveness of Switzerland for researchers
- To offer research funding in line with actual needs in the different research categories
- To facilitate international co-operation and support competitiveness
- To embed research in society

Funding (general) by research area 2014

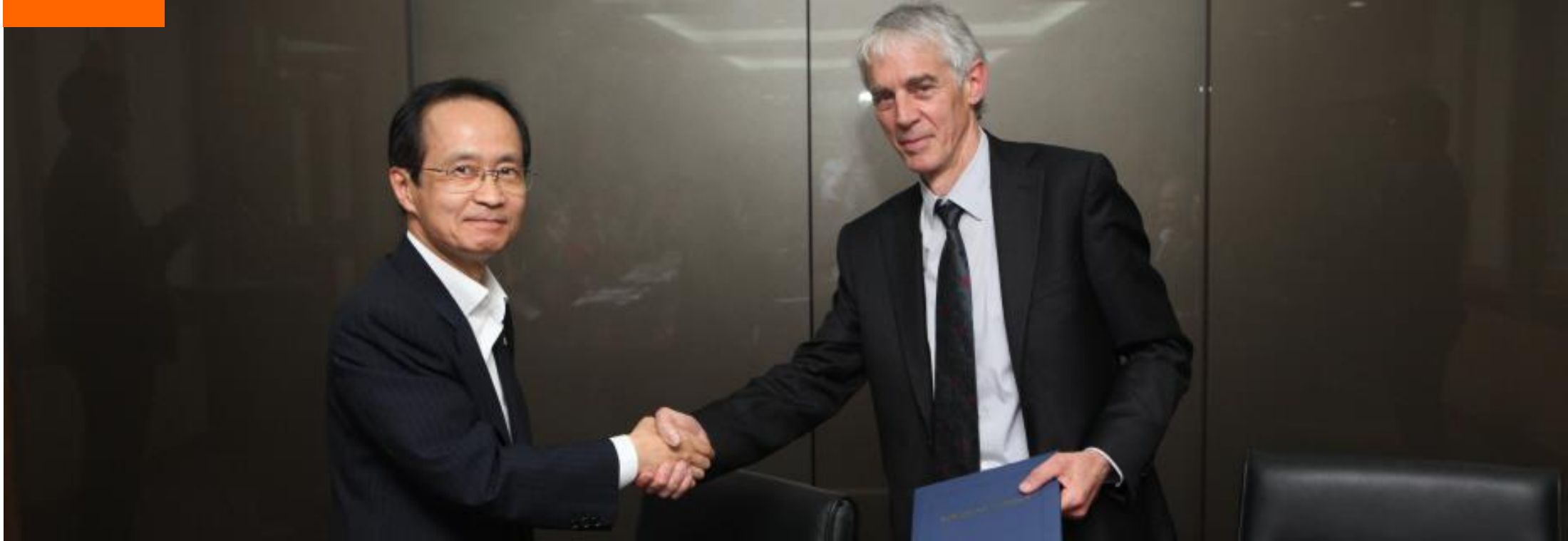


Total: CHF 848.5 million

Funding (general) by scheme 2014



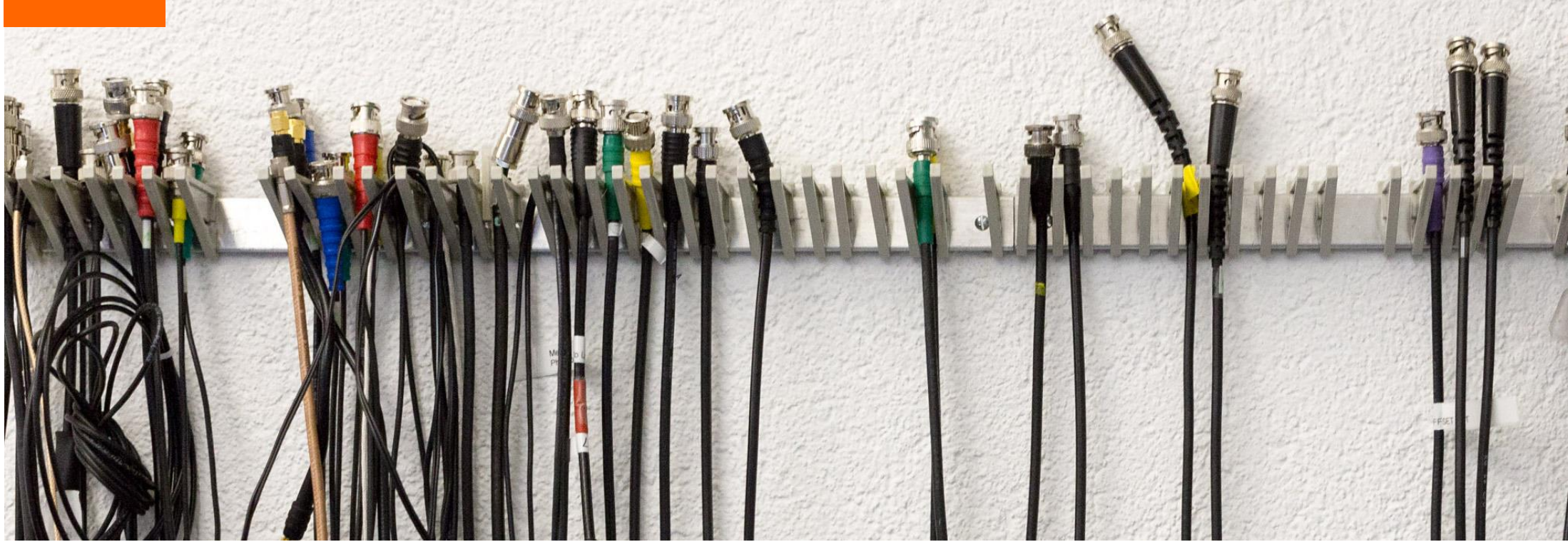
Total: CHF 848.5 million



International co-operation

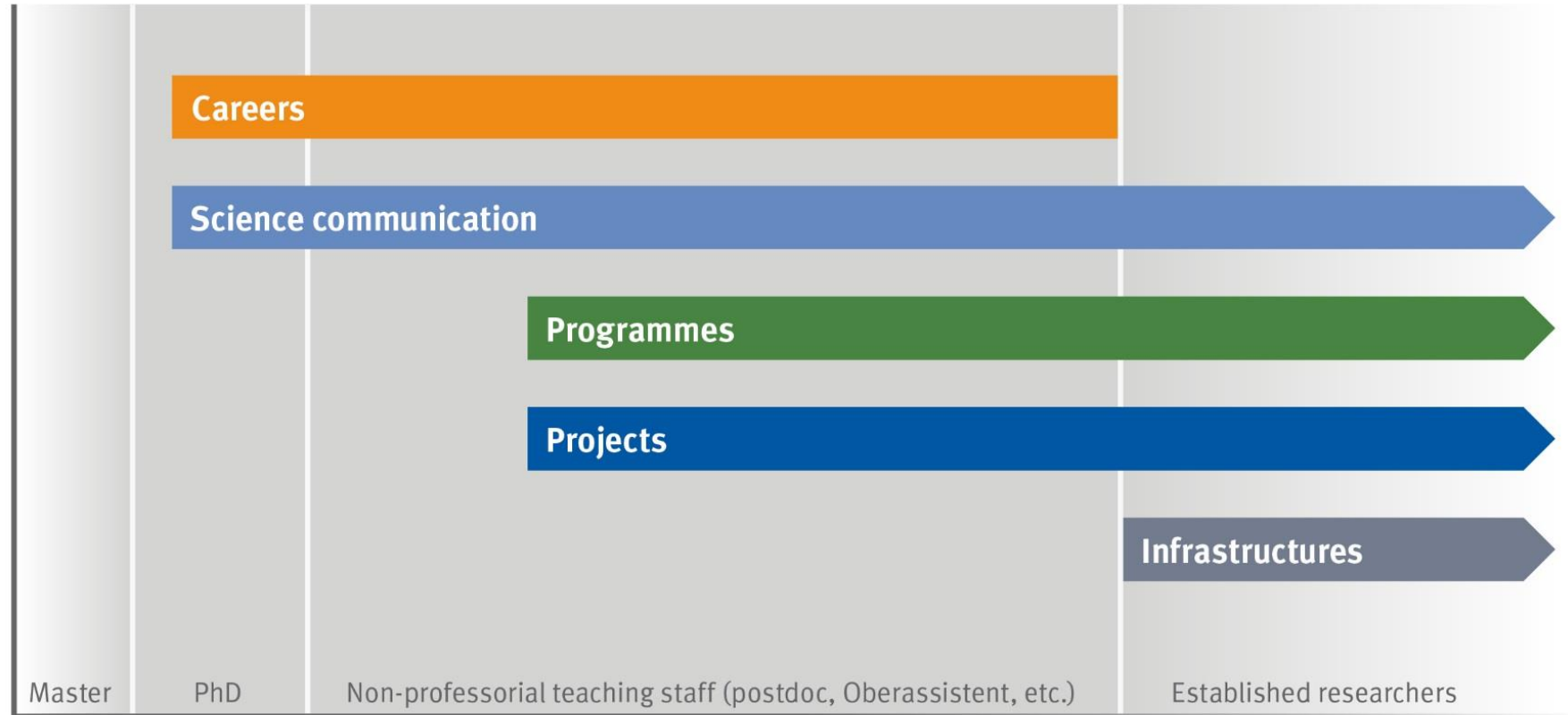
Aims and philosophy

- Improvement of framework conditions for international co-operation
- Concentration on the added-value of international co-operation – remains close to the needs of scientists
- Concentration on scientific excellence
- Simplification of structural measures
- Collaboration with other funding agencies
- Complementarity with other Swiss and international actors



Funding schemes

Overview



Source: Guidelines for selecting SNSF funding schemes, August 2011

Researchers at universities of applied sciences and universities of teacher education without a doctorate need to show that they have the necessary research experience.

Ambizione, Ambizione-PROSPER/SCORE

Research in Switzerland: returning or incoming

Own salary, project funding, personnel, possibly doctoral candidate

Duration: 3 years
(generally no extension)

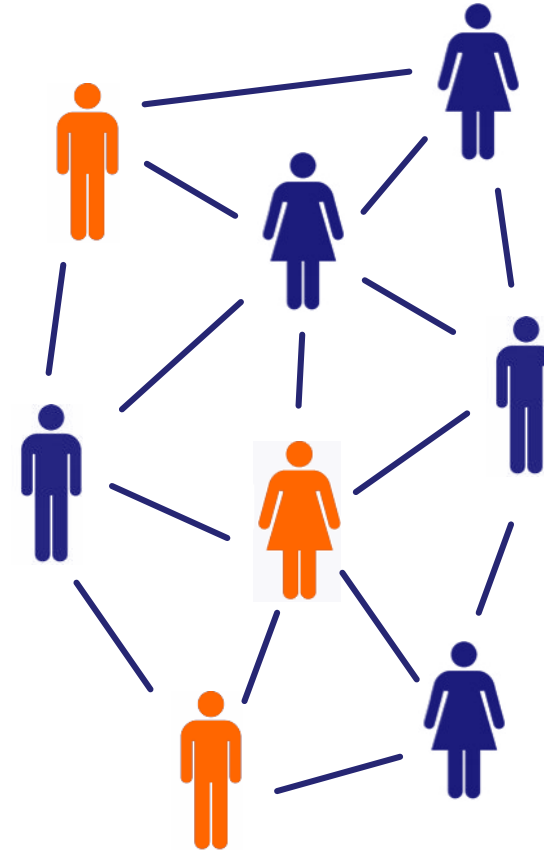


Sinergia

Small inter-institutional networks (Collaborative projects involving 3-4 research groups)

Interdisciplinary and innovative projects

Competitive scheme for experienced researchers





r4D

Swiss Programme for Research on Global Issues for Development (r4d programme)

- 5 thematic research programmes (research partnerships with at least 2 developing countries)
- 1 thematically open programme with 3 calls

International Short Visits

Allows researchers working in Switzerland to go abroad or researchers from elsewhere to come to Switzerland

Exchange of knowledge that is beneficial to both co-applicants and their institutions

Duration 1 week to 3 months



International Exploratory Workshops

Allow researchers working in Switzerland to organise workshops with participants from abroad

Should bring together scientists with different backgrounds

Duration 2-5 days





Do you have any questions?

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www.snf.ch



«If we knew
what we were looking for,
it wouldn't be called research.»

Albert Einstein