



CTI – Start-up and entrepreneurship,
R&D Funding, KTT-Support

Commission for Technology and Innovation CTI

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Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

















Commission for Technology and Innovation CTI

The CTI – mandate, philosophy, facts

Innovation: driver of the Swiss economy

- Switzerland is a **small country with few raw materials**
- It has one of the **most open economies** in the world and is heavily dependent on exports. Almost one in every three francs is earned abroad.
- Swiss companies **compete with businesses throughout the world.**
- In order to survive in this competitive environment, their products must be **innovative.**

Switzerland as innovation champion

	1st place	2nd place	3rd place	4th place
The World Competitiveness Scoreboard 2015				
Global Innovation Index 2015				
WEF Global Competitiveness Report 2015 – 2016				
Union Innovation Scoreboard 2015				

Strengths and weaknesses of innovation in Switzerland

- + Many companies carry out their own research
- + Solid basic research
- + Large number of patents
- + Strong education system

- Not enough engineers
- Little innovation in service industries
- Cultural weaknesses in entrepreneurship
- Little knowledge and technology transfer to SMEs

The CTI's mandate

The CTI is mandated by the Confederation to improve the innovative strength of the Swiss economy.

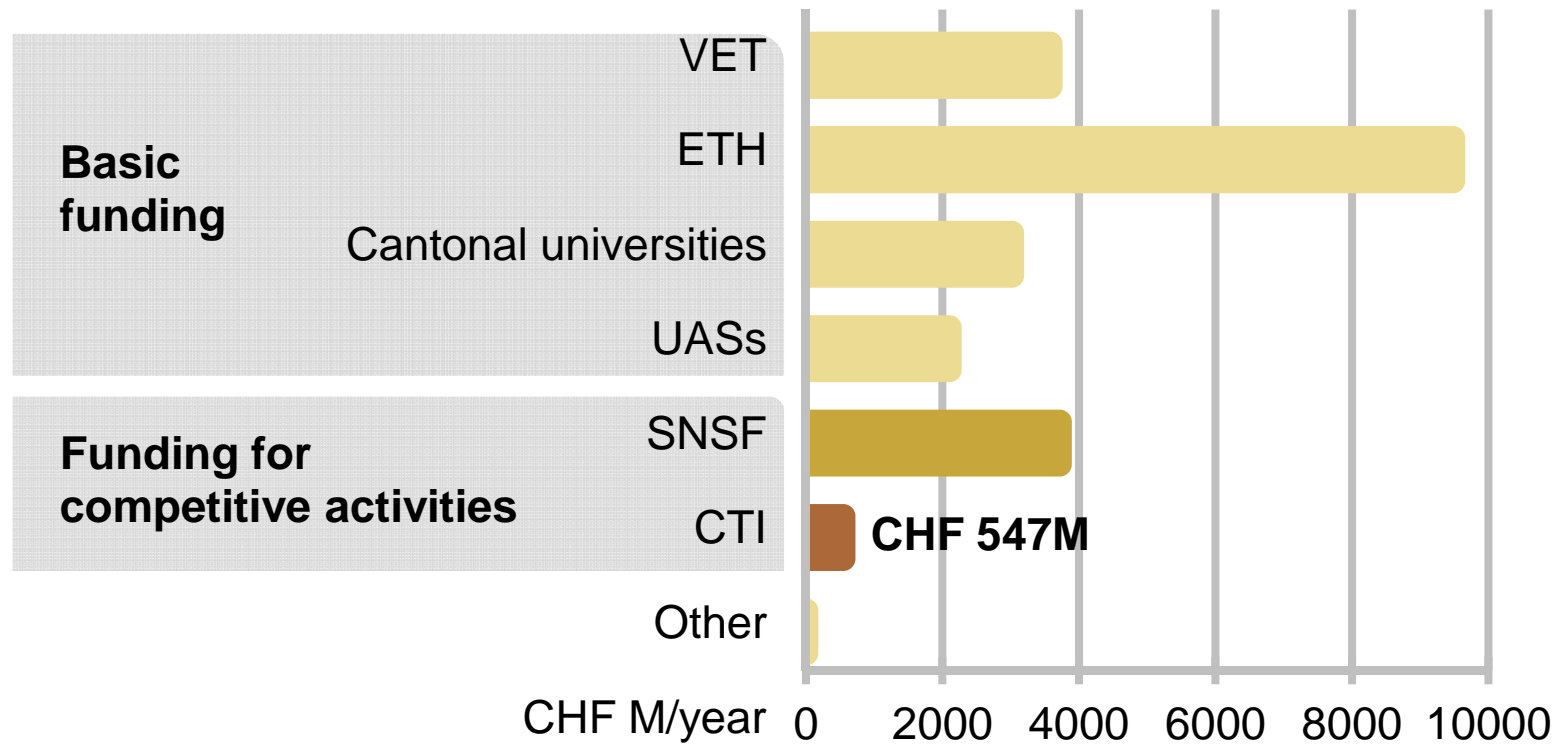
- It promotes the **transfer of knowledge and technology** between higher education institutions and Swiss companies.
- It supports **start-ups** and thereby helps to create jobs for highly qualified workers.
- It funds and supports **cooperation projects** between companies and higher education institutions to encourage the introduction of innovative products on the market.

Principles and mission

- Primarily, innovation promotion for **Swiss businesses**
 - Promotion of UASs and SMEs desired side-effect
- Ideas come **bottom-up** from industrial partners
- Funding provided only when necessary

Public funding for education and research

Expenditure on ERI 2013–2016 (Confederation + Cantons)



Three funding areas

Start-up and Entrepreneurship

Training modules,
Coaching,
Start-up Label,
Access to investors

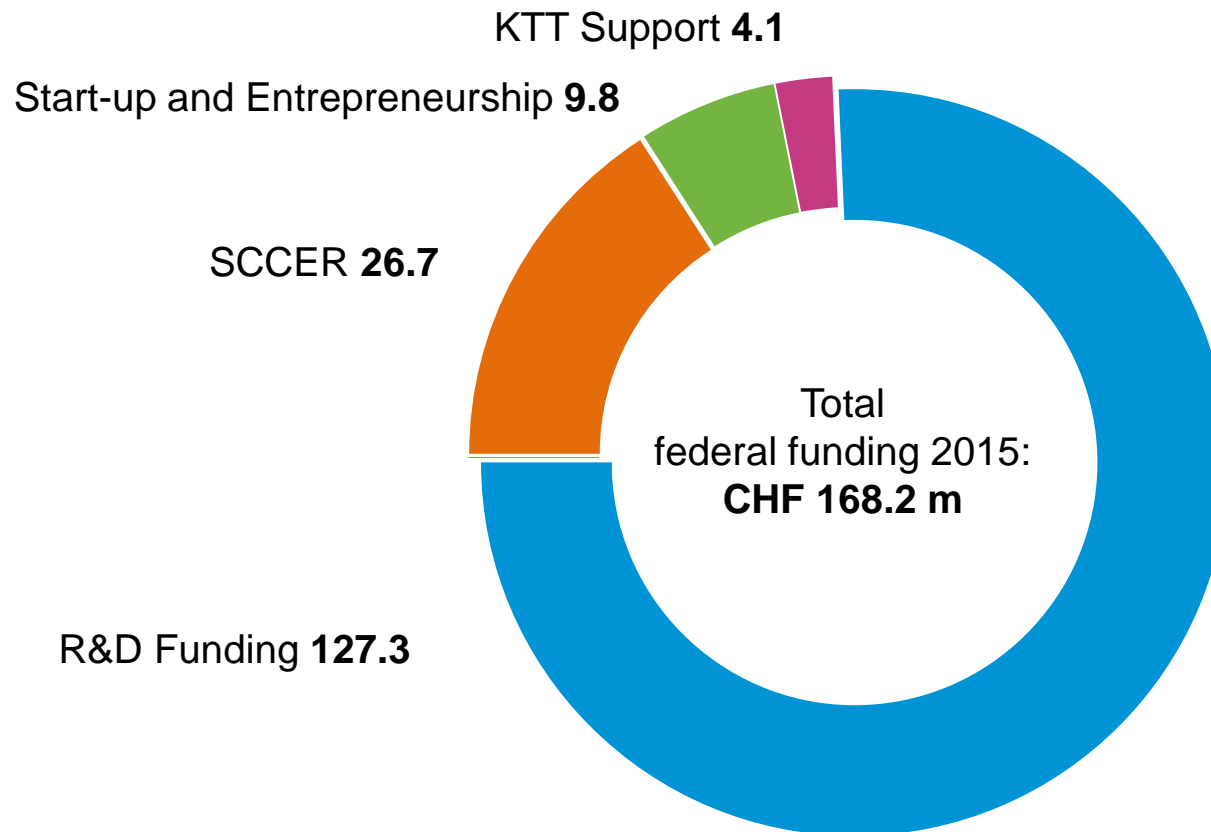
KTT Support

NTN
Innovation mentors
Platforms

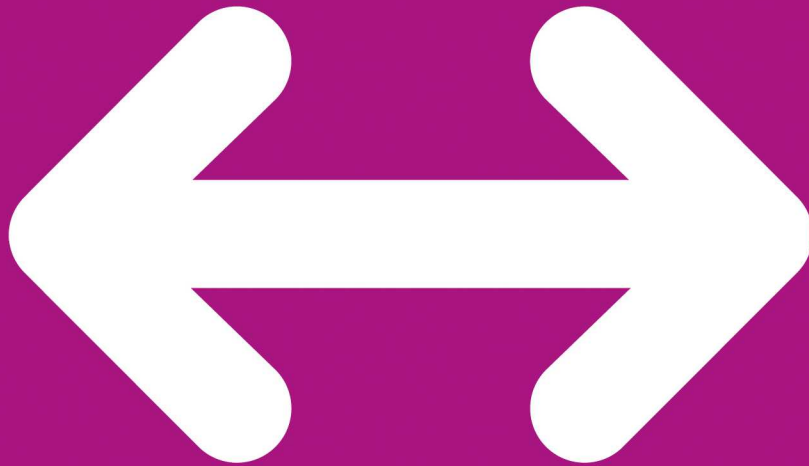
Projects

Joint projects
companies - higher
education institutions,
innovation cheque,
innovation voucher

CTI funding areas



KTT-Support



Focus in KTT Support

The CTI encourages

- Knowledge transfer between businesses and public-sector research
- Information on (future) possibilities of science-based innovations
- Transparency about funding instruments – also non-CTI

CTI KTT Support based on

- Knowledge and technology transfer “face-to-face”
- Industry’s needs, in particular those of SMEs

Focus in KTT Support

SwissText



KTT support: three elements

**National Thematic
Networks
(NTNs)**

**Information
platforms**

**Innovation
mentors
(IMs)**

Start-up and entrepreneurship





From ideas to successful companies

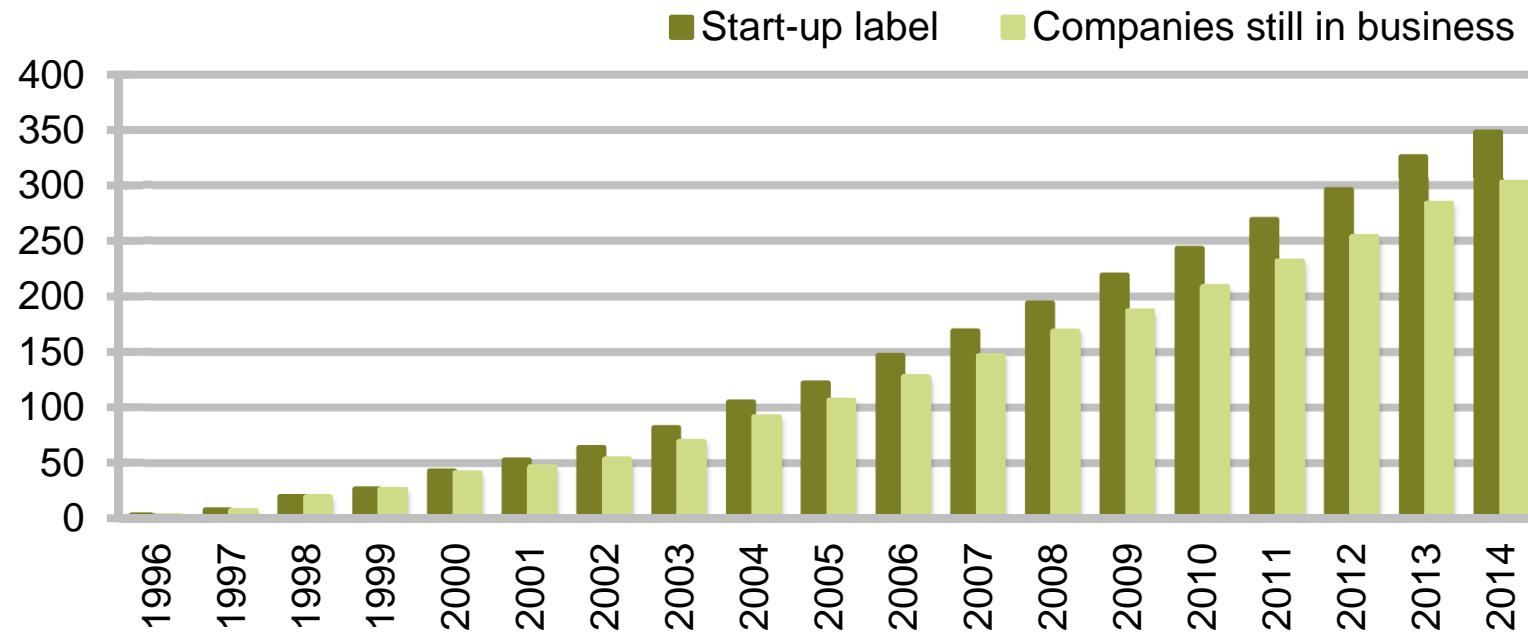
The CTI promotes growth-oriented, technology-based business projects in three ways:

- CTI Entrepreneurship
- CTI Start-up
- CTI Invest

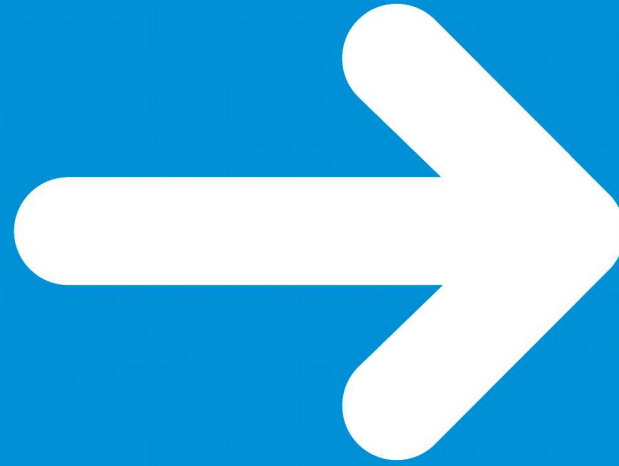


CTI Start-up: high chance of survival

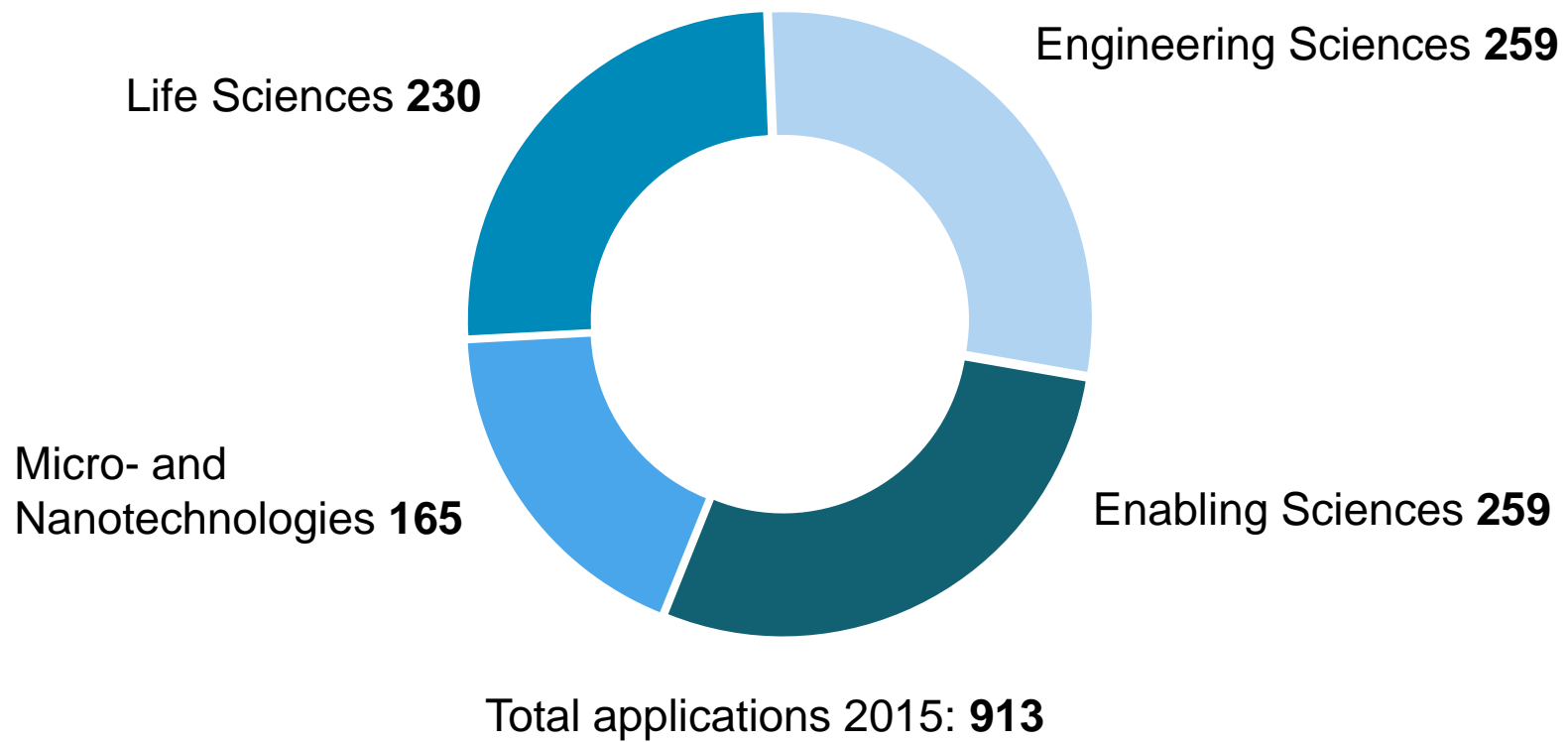
Companies with CTI Start-up label: 87% likely to survive



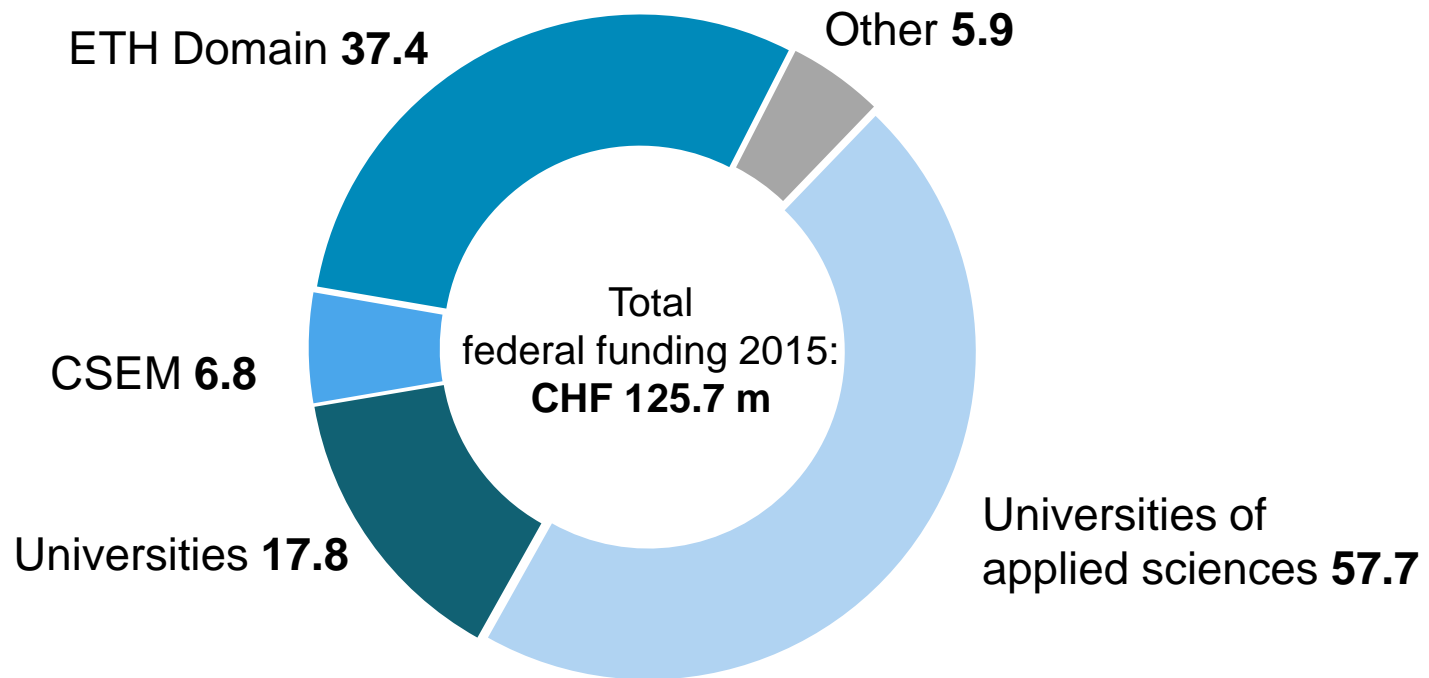
R&D Funding



Applications received in 2015



Focus on universities of applied sciences



The Process to apply for CTI Project Funding

Swiss Company, typically SME

Innovative product or service idea

Solid business plan

**IP Landscape and Research Landscape are not compromising
USP**

Missing scientific background / scientific research required

One of the Swiss Research partners has these required capabilities

The Process to apply for CTI Project Funding

Research partner and industry partner write the application:

Ends with about 40 to 50 pages

Writing the application takes about 1 to 2 months

May total to about 100 h

CTI projects have a higher success rate than 55%

It takes normally 3 to 5 months from trigger to project start

Typical project volume 100k to 1.5M, max 50% of this total can be CTI funding

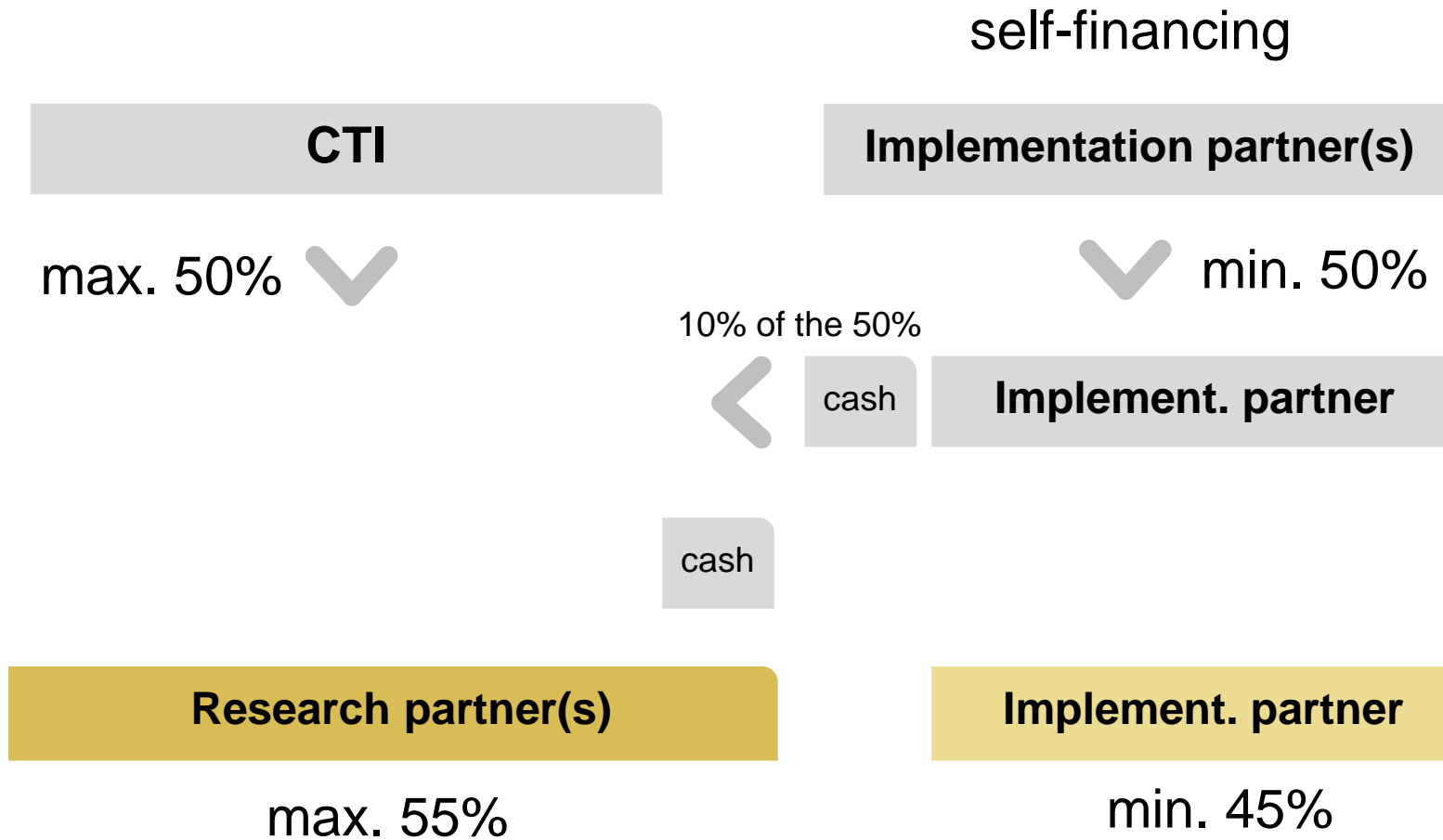
Project assessed by CTI experts

Contracts, interim and final reports

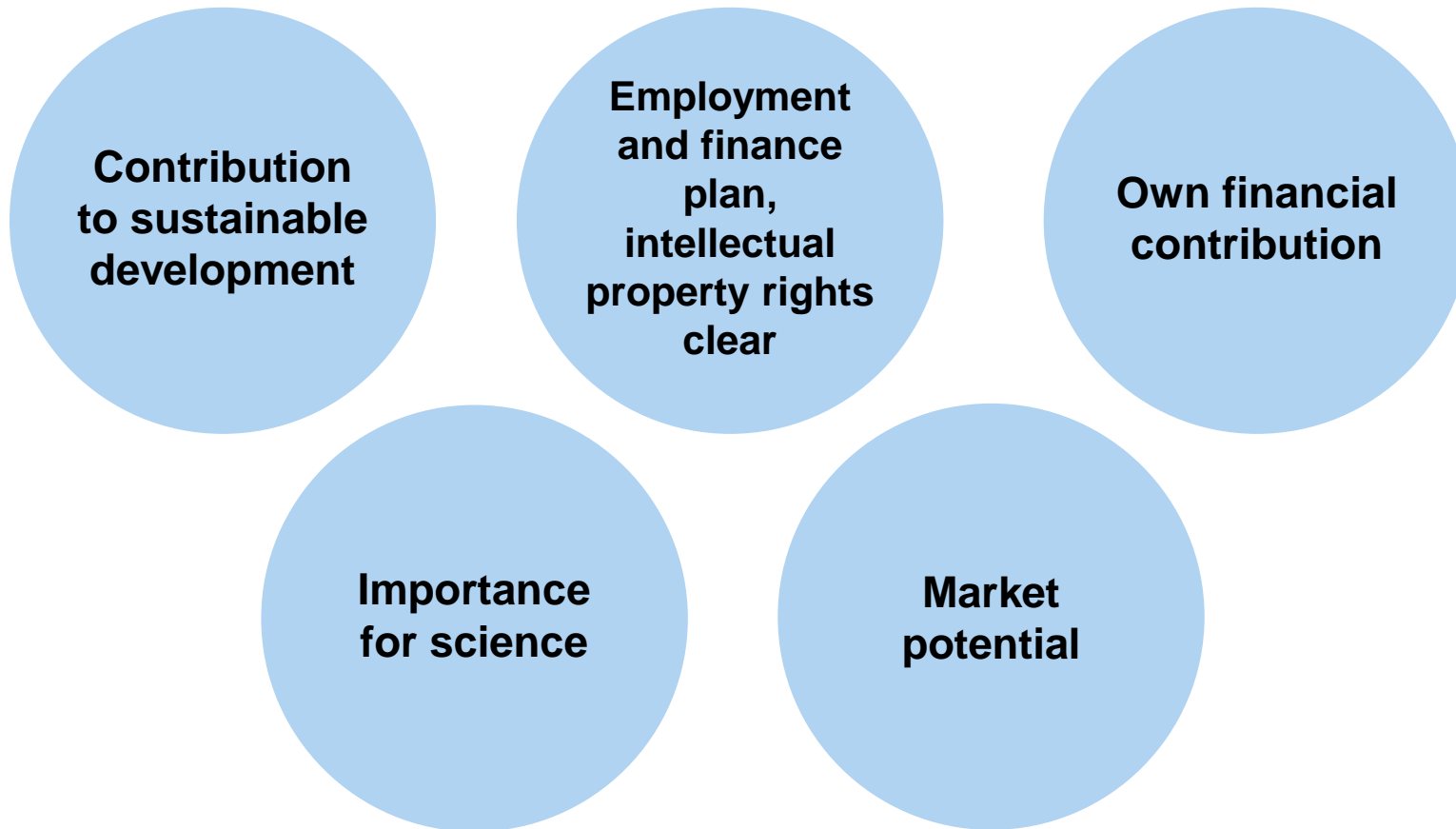
All info on www.kti.admin.ch

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Finance flows



Selection criteria



Recent “SwissText Projects”

- Beekeeper/ZHAW (16810)
- Argus/ZHAW (17719)
- SpinningBytes/ZHAW (18832)
- Schweizer Stiftungsregister SR_2.0 (15666)
- Predicting customer behavior by combining freetext information with structured customer data (14611)
- Jobontomatch - ontologiebasiertes Matching von unstrukturierten CVs mit unstrukturierten Vakanzen (10186)
- Selbstlernendes und sprachunabhängiges Text Matching Framework (10006)
- SocialSalesMapTM: dynamischer Software Service zur Visualisierung und Management von B2B Geschäftsbeziehungen mit Nutzung sozialer Netzwerkkarten und sozialer Netzwerkanalyse
- Integrated Social Media Navigator (12777)
- Audience+ STORY: Museales Erzählen mit Social Media (14360)
- Effiziente Social Media Kommunikation im B2B Sektor (17049)
- ZHAW/Squirro

This listing has no claim to completeness, nor to scientific correctness, it's just an overview.

Innovation mentors (IM)

General

- Currently there are 15 innovation mentors.
- IMs directed centrally by CTI, with 3 regional head IMs.
- Head IMs head IM in their region and support SMEs.

Requirement profile

- Business experience
- Knowledge of research on topic
- Access to research
- Interdisciplinary skills

Service portfolio

- Support SMEs
- Network with research and funding institutions
- Part-time services

Thank you for listening.

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