

Statistics 2010 – Full version

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2010 - Research funding in figures

In 2010 the Swiss National Science Foundation (SNSF) granted funding to the total value of 726 million Swiss francs, 2.7 % more than in 2009 (707 million Swiss francs). This financing was used to support around 3,100 research undertakings.

The statistics include all applications processed and approved during the financial year as well as contributions paid out in the area of National Centres of Competence in Research in 2010. Additional grants are not treated as separate applications but are included in the approved amounts.

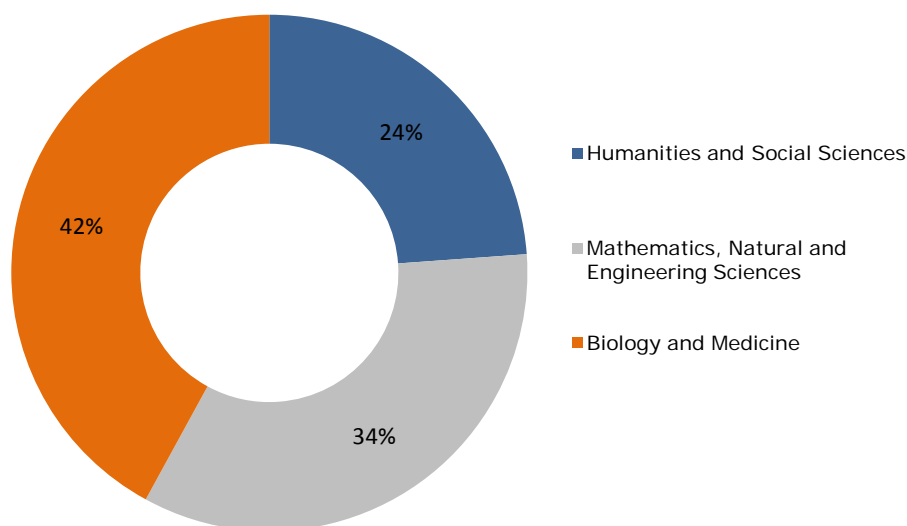
The data in the statistical part of the annual report are not comparable with the figures in the annual statement.

1. Funding in overview

1.1 Funding by research area

Amounts in millions CHF

Distribution of the approved amounts



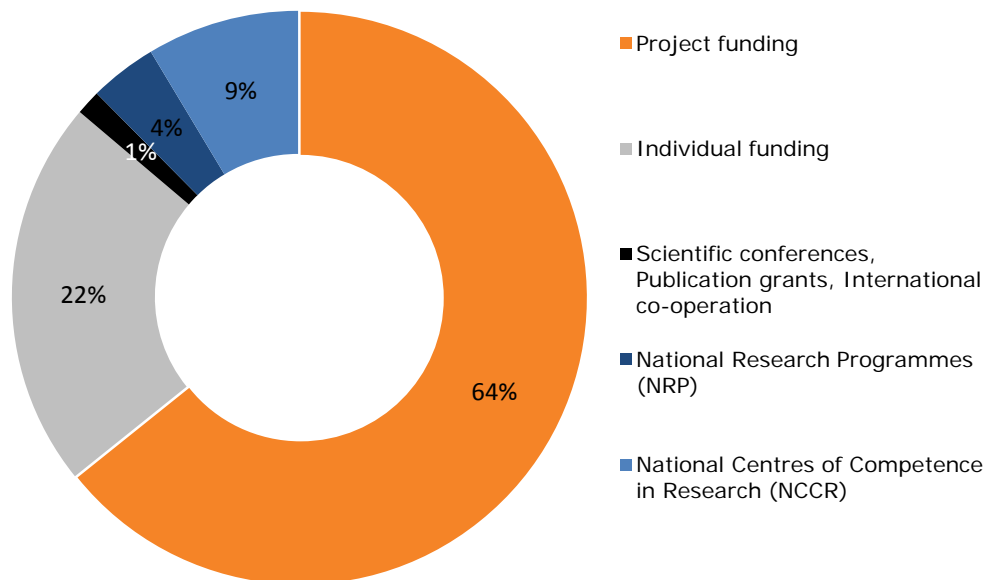
	Approved amount	Women	Men
Humanities and Social Sciences	173.0	29%	71%
Mathematics, Natural and Engineering Sciences	247.5	13%	87%
Biology and Medicine	305.2	16%	84%
Unapportionable	0.3		
Total	726.0	18%	82%

Distribution between the different divisions has changed slightly compared to the previous year. In 2010, 25 million Swiss francs were allocated to Patient-oriented Clinical Research (PaKlIF). The share of "Biology and Medicine" in the approved sums thus rose by four percent.

1.2 Funding by type of funding

Amounts in millions CHF

Distribution of the approved amounts



	Number	Amount
Investigator-driven research	2,634	635.9
Project funding ¹	1,360	466.2
Individual funding	762	159.5
Scientific conferences	196	1.4
Publication grants	142	1.7
International co-operation	174	7.1
Targeted research	459	90.1
National Research Programmes (NRP)	66	27.6
National Centres of Competence in Research (NCCR)	393	62.5
Total	3,093	726.0

¹ Without Scientific conferences

As in previous years, project funding was at the centre of the SNSF's activities in 2010. The share of National Research Programmes in the approved sums rose slightly year-on-year.

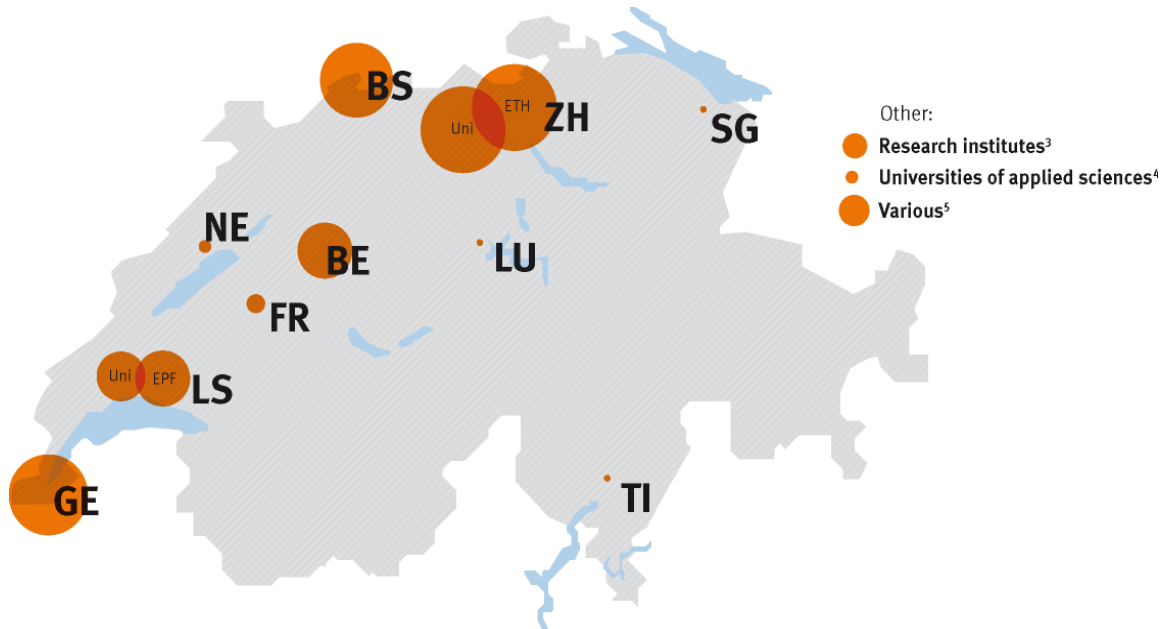
Funding by type of funding in per cent

	Per cent	Approved amount	
		Women	Men
Investigator-driven research	87.6%	15%	85%
Project funding	64.2%	13%	87%
Individual funding	22.0%	36%	64%
Scientific conferences	0.2%	27%	73%
Publication grants	0.2%	32%	68%
International co-operation	1.0%	10%	90%
Targeted research	12.4%	19%	81%
National Research Programmes (NRP)	3.8%	25%	75%
National Centres of Competence in Research (NCCR)	8.6%	11%	89%
Total	100%	18%	82%

1.3 Funding by institution and research area

Amounts in millions CHF

Distribution of the approved amounts (incl. overhead)¹



Institution	Humanities and Social Sciences	Mathem., Natural and Engineering Sciences	Biology and Medicine	Unassignable	Total in mio CHF	Total in %	Overhead ²	Total incl. overhead
Universities	126.3	109.9	238.9		475.1	65%	55.0	530.1
Berne (BE)	16.9	23.3	27.7		67.9	9%	8.4	76.3
Basel (BS)	13.3	17.1	40.3		70.7	12%	10.5	81.2
Fribourg (FR)	11.8	12.9	6.4		31.1	3%	2.7	33.8
Geneva (GE)	23.3	27.6	47.6		98.5	13%	11.3	109.8
Lucerne (LU)	3.8	-	0.0		3.8	1%	0.6	4.4
Lausanne (LS)	14.7	4.8	49.0		68.5	8%	6.4	74.9
Neuchâtel (NE)	3.0	4.5	4.5		12.0	2%	2.0	14.0
St. Gallen (SG)	4.5	-	-		4.5	1%	0.5	5.0
Ticino (TI)	6.6	2.4	-		9.0	1%	0.6	9.6
Zurich (ZH)	28.4	17.3	63.4		109.1	14%	12.0	121.1
ETH Domain	15.6	124.6	48.1		188.3	26%	21.8	210.1
EPF Lausanne (LS)	4.0	50.8	16.4		71.2	9%	7.2	78.4
ETH Zurich (ZH)	11.4	56.0	26.6		94.0	14%	11.8	105.8
Research institutes ³	0.2	17.8	5.1		23.1	4%	2.8	25.9
Universities of Applied Sciences⁴	12.4	0.5	0.6		13.5	2%	1.9	15.4
Various⁵	12.1	10.8	12.4		35.3	5%	2.1	37.4
Unassignable⁶	6.6	1.8	5.1	0.3	13.8	2%	0.0	13.8
Total	173.0	247.6	305.1	0.3	726.0	100%	80.8	806.8

¹ If no application was presented by the respective institution, this is denoted by a dash. Amounts lower than CHF 0.05 million are shown as zero.

² Entitlement to overhead in accordance with overhead regulations

³ Research institutes in the ETH Domain (EMPA, EAWAG, PSI, WSL)

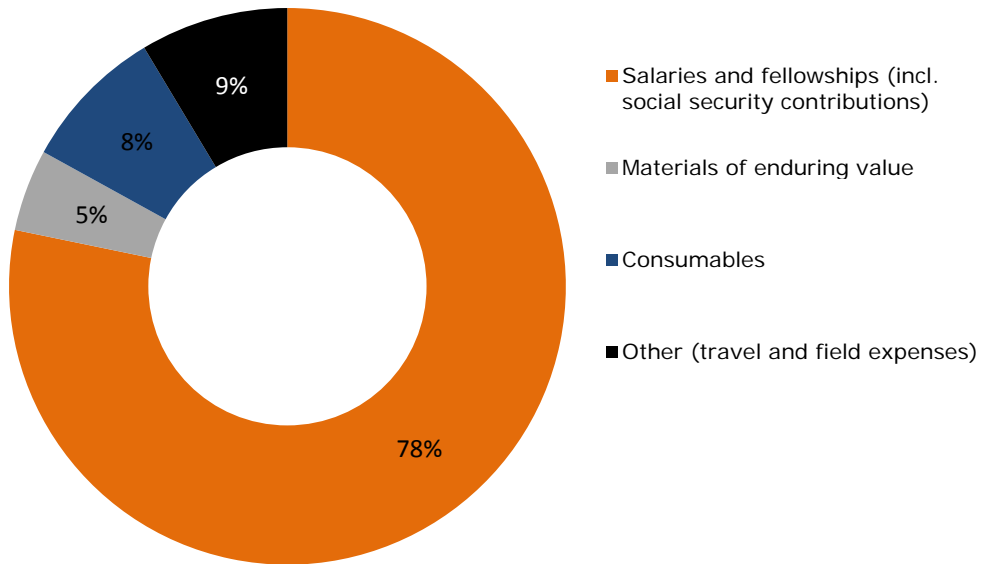
⁴ BFH, FHNW, FHO, HES-SO, HLU, SUPSI, ZFH, Kalaidos and universities of teacher education

⁵ Research centres, museums, libraries, individuals, companies, non-profit organisations, etc.

⁶ Not assignable to an institution and/or discipline (e.g. fellowships, annual contributions)

1.4 Use of approved amounts

Total amount: CHF 726 million



As in previous years, the approved funds were used by the researchers mainly to cover personnel costs, whether for the financing of individual salaries/fellowships in the context of funding for individuals or for the appointment of personnel in research projects.

1.5 Personnel in research projects

Around 5,600 persons were employed in research projects in 2010. In addition, over 1,000 were supported in the context of individual funding and 1,100 were employed through the National Research Programmes and Centres of Competence in Research.

	Total	Women	Men
Scientists ¹	35%	44%	56%
Personnel at doctoral level	53%	39%	61%
Technicians, support staff	12%	69%	31%
Total	100%	44%	56%

¹Senior researchers and post-docs

Funding for research projects primarily benefits the promotion of young scientists in Switzerland. Thus 78 % of the collaborators are 35 years old or younger (95 % in the case of personnel at doctoral level, 56 % for other scientists).

1.6 Success rates

Amounts in millions CHF

	Success rate ¹			Number of proposals submitted			Number of proposals approved			Approved amount
	Total	Women	Men	Total	Women	Men	Total	Women	Men	
Project funding²	53%	46%	55%	2,566	500	2,066	1,360	231	1,129	466.2
Humanities and Social Sciences	46%	47%	45%	750	206	544	343	96	247	72.3
Mathematics, Natural and Engineering Sciences	67%	66%	67%	853	88	765	568	58	510	155.2
Biology and Medicine	47%	37%	49%	815	179	636	380	67	313	181.2
Interdisciplinary Research and Sinergia	47%	37%	49%	148	27	121	69	10	59	57.4
Individual funding	53%	52%	53%	1,368	567	801	722	294	428	145.9
Fellowships (prospective)	68%	70%	66%	711	266	445	480	187	293	28.6
Fellowships (advanced)	65%	57%	70%	166	68	98	108	39	69	11.2
Marie Heim-Vögtlin Programme (MHV) ¹	37%	37%	-	101	101	-	37	37	-	6.1
Ambizione	28%	22%	33%	189	82	107	53	18	35	26.2
SNSF Professorships ¹	22%	26%	21%	201	50	151	44	13	31	73.8
Scientific conferences	90%	87%	91%	218	69	149	196	60	136	1.4
Publication grants	87%	80%	91%	164	66	98	142	53	89	1.7
International co-operation³	48%	28%	52%	124	18	106	60	5	55	5.7
National Research Programmes⁴	76%	83%	74%	29	6	23	22	5	17	9.4
National Centres of Competence in Research⁵	15%	14%	15%	54	7	47	8	1	7	123.7

¹Ratio of the number of applications approved to the number of applications submitted

²Without conference grants

³Comprises SCOPES and North-South Research Partnerships

⁴Concerns only NRP 64 and NRP 65 at application level

⁵Concerns only the third series of NCCRs (2008-2010); two-level evaluation procedure

The success rates for project funding regularly reveal differences that are unfavourable to women. The large amount of available data enables a statistical procedure to be applied with which any potential discrimination can be determined. Multivariate analyses (see p. 19) are performed annually on the figures, taking into account gender as well as other possible factors, such as age, nationality and type of institution. If these differences are factored in, the gender effect disappears. Hence, in accordance with the GEFO study, no signs of gender discrimination could be made out in the evaluation procedures of the SNSF.

Submitted applications by gender

	Women	Men
Fellowships (prospective)	37%	63%
Fellowships (advanced)	41%	59%
Marie Heim-Vögtlin Programme (MHV)	100%	0%
Ambizione	43%	57%
SNSF Professorships	25%	75%
Project funding	20%	80%

¹The proportion of female applicants is 100 % as MHV is a programme for women scientists.

The share of women submitting proposals declines as the academic age increases.

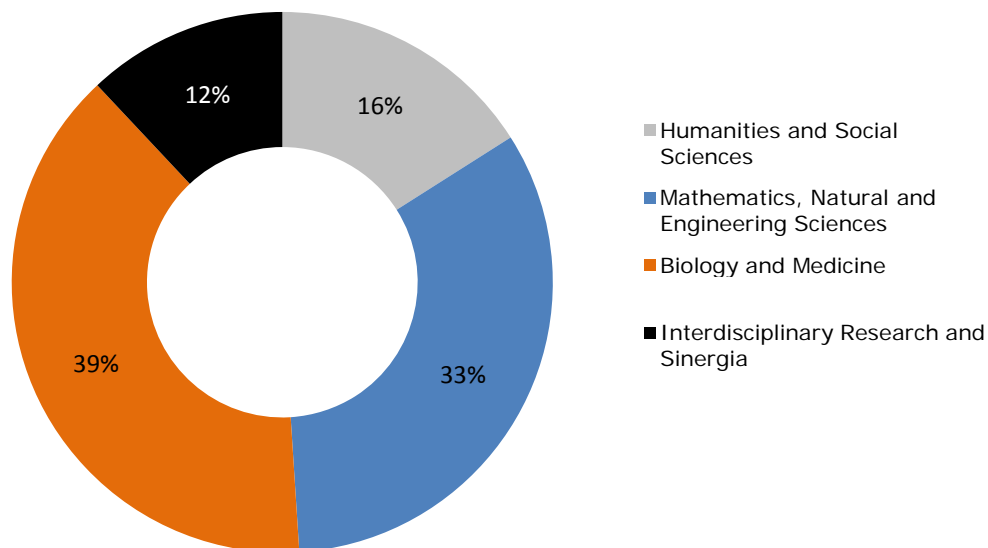
2. Project funding

In this funding category, the SNSF supports research projects of high quality across all disciplines. The topics are selected by the researchers. Grants include contributions towards personnel costs, equipment, consumables and travel expenses.

2.1 Funding by research area¹

Amounts in millions CHF

Distribution of the approved amounts



	Amount
Humanities and Social Sciences	73.4
Mathematics, Natural and Engineering Sciences	155.4
Biology and Medicine	181.4
Interdisciplinary Research and Sinergia	57.4
Total	467.6

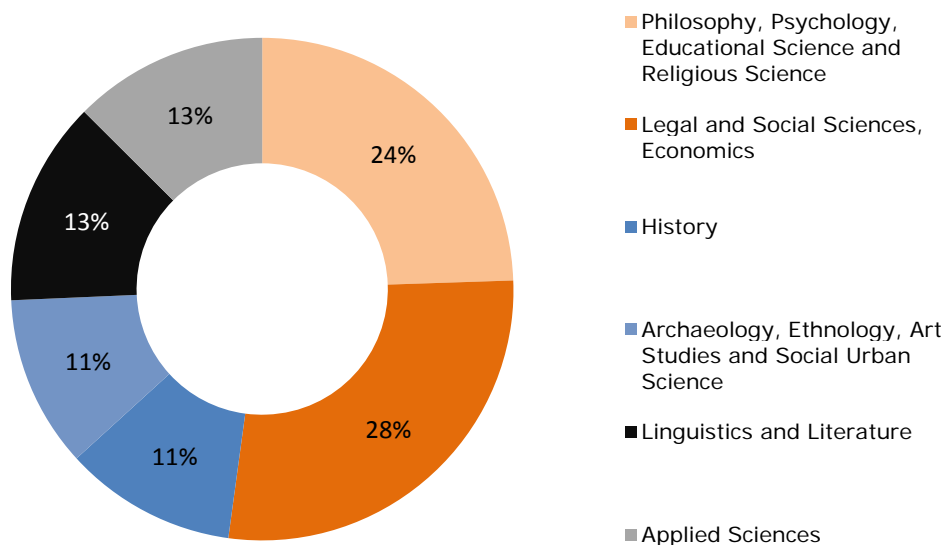
¹ Incl. Scientific conferences

2.2 Funding by group of disciplines

Amounts in millions CHF

Division I : Humanities and Social Sciences

Distribution of the approved amounts



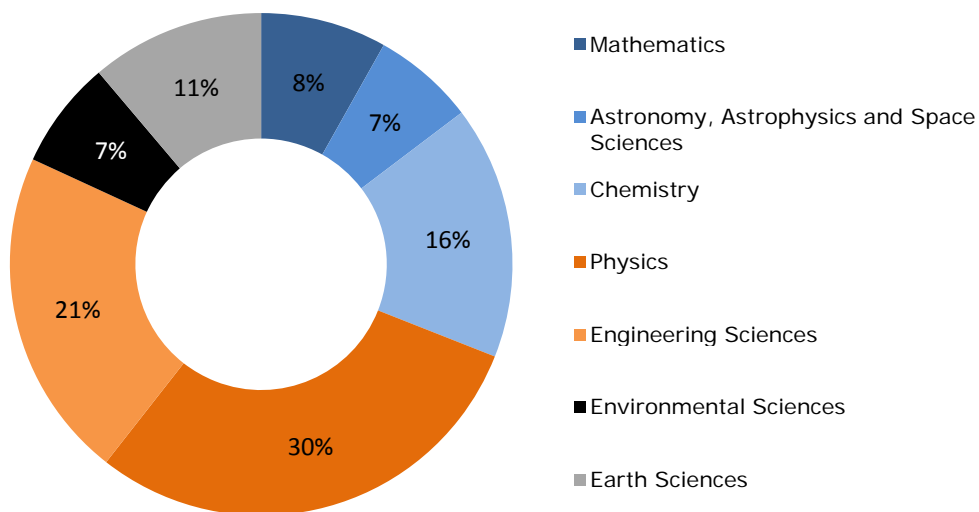
	Number	Amount
Philosophy, Psychology, Educational Science and Religious Science	119	18
Legal and Social Sciences, Economics	140	20.3
History	57	8.1
Archaeology, Ethnology, Art Studies and Social Urban Science	48	8.1
Linguistics and Literature	50	9.7
Applied Sciences (incl. DORE)	87	9.2
Total¹	501	73.4

¹Special funding is included:
 DORE (83 grants; CHF 8.6 million), research infrastructure (1 grant; CHF 1.3 million), R'Equip (2 grants; CHF 0.2 million), Scientific conferences (158 grants; CHF 1.0 million), Summer schools (115 grants; CHF 0.3 million)

At the universities of applied sciences, the areas "art" and "health" are particularly well represented in terms of both numbers and funds. Some projects are being realised in collaboration with the universities.

Division II: Mathematics, Natural and Engineering Sciences

Distribution of the approved amounts



	Number	Amount
Mathematics	50	12.6
Astronomy, Astrophysics and Space Sciences	20	10.2
Chemistry	97	25.4
Physics	134	46.0
Engineering Sciences	169	33.1
Environmental Sciences	50	10.8
Earth Sciences	66	17.4
Total¹	586	155.5

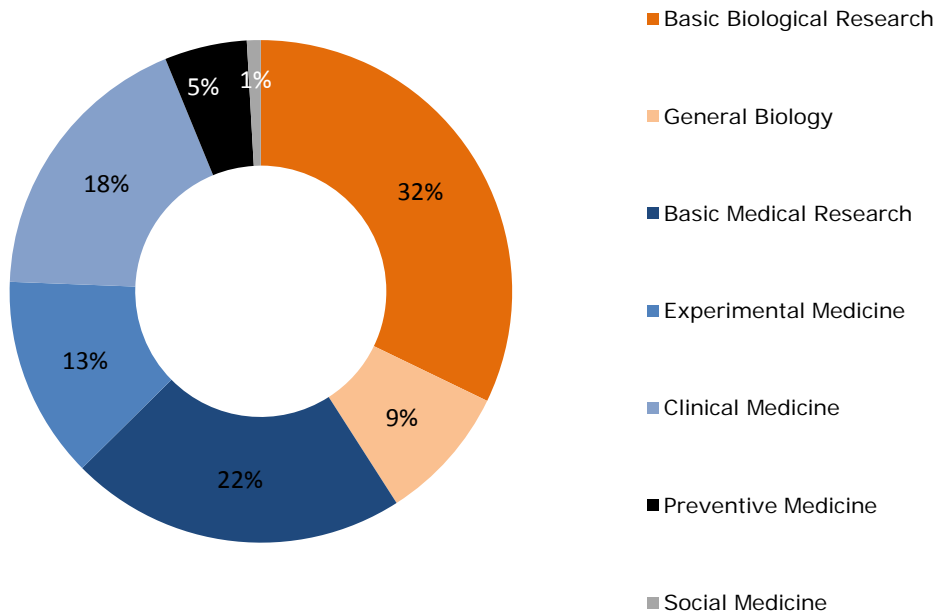
¹Special funding is included:

Research infrastructure (8 grants; 9.8 million CHF), R'Equip, (35 grants; 6.7 million CHF), FORCE/FINES, (15 grants; 5.6 million CHF), EUROCORES (5 grants; 7.1 million CHF), Scientific conferences (18 grants, 0.3 million CHF)

The number of approved applications rose by 10 percent year-on-year. Particularly strong growth was registered in the Engineering Sciences.

Division III : Biology and Medicine

Distribution of the approved amounts



	Number	Amount
Basic Biological Research	139	59.0
General Biology	39	15.8
Basic Medical Research	100	39.1
Experimental Medicine	61	23.5
Clinical Medicine	46	32.8
Preventive Medicine (Epidemiology/Early Diagnosis/Prevention)	10	9.6
Social Medicine	5	1.6
Total¹	400	181.4

¹Special funding included: R'Equip (19 grants; 5.6 million CHF), MD-PhD (8 grants; 1.3 million CHF), SCORE/PROSPER (2 grants; 1.4 million CHF), ERA-NET EuroNanoMed (3 Grants; 0.7 million CHF), EDCTP (1 grant; 0.3 million CHF), EUROCORES (10 grants; 3.8 million CHF), cohort studies (5 grants; 25.2 million CHF), Scientific conferences (20 grants; 0.1 million CHF)

With infrastructure grants totalling 27.5 mio Swiss francs for the continuation of five cohort studies and the expansion of three CTUs (Clinical Trial Units), the Biology and Medicine division again made a strong contribution towards strengthening clinical research.

2.3 Interdisciplinary research and Sinergia

Interdisciplinary research

In 2010, the SNSF supported a total of 29 projects with CHF 9.4 million. Both the number of submitted and approved applications as well as the requested and approved funding amounts are similar to 2009.

Sinergia

Amounts in millions CHF

	Number	Amount
Interdisciplinary Research	14	16.2
Disciplinary Research	26	31.7
Total	40	47.9

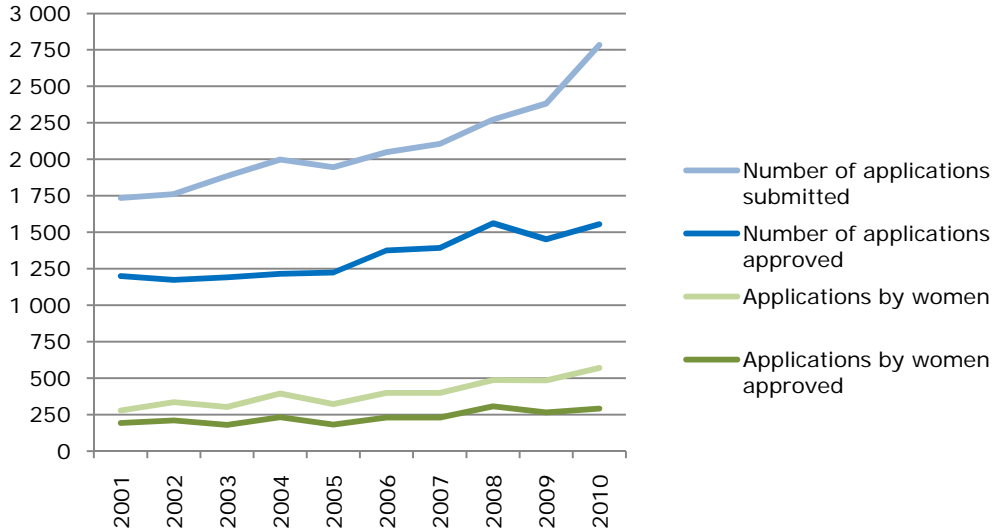
2.4 Project funding: grants, reductions and rejections

Amounts in millions CHF

	Number	Amount	Grants	Reductions	Rejections, withdrawals
Humanities and Social Sciences					
Applications submitted	917		55%		45%
		207.2	36%	8%	56%
Grants	501	73.4			
Reductions in approved applications	(406)	17.1			
Rejections, withdrawals	416	116.7			
Mathematics, Natural and Engineering Sciences					
Applications submitted	878		67%		33%
		336.2	46%	20%	34%
Grants	586	155.5			
Reductions in approved applications	(485)	66.0			
Rejections, withdrawals	292	114.7			
Biology and Medicine					
Applications submitted	841		48%		52%
		401.4	45%	12%	43%
Grants	400	181.4			
Reductions in approved applications	(294)	46.5			
Rejections, withdrawals	441	173.5			
Interdisciplinary research and Sinergia					
Applications submitted	148		47%		53%
		178.5	32%	14%	54%
Grants	69	57.4			
Reductions in approved applications	(57)	24.3			
Rejections, withdrawals	79	96.8			
Total					
Applications submitted	2,784		56%		44%
		1,123.3	41%	14%	45%
Grants	1,556	467.7			
Reductions in approved applications	(1,242)	153.9			
Rejections, withdrawals	1,228	501.7			

2.5 Applications and grants since the year 2001

Number of applications and grants



The number of applications submitted in project funding has risen consistently since 2005 while the number of approved applications has stagnated since 2008.

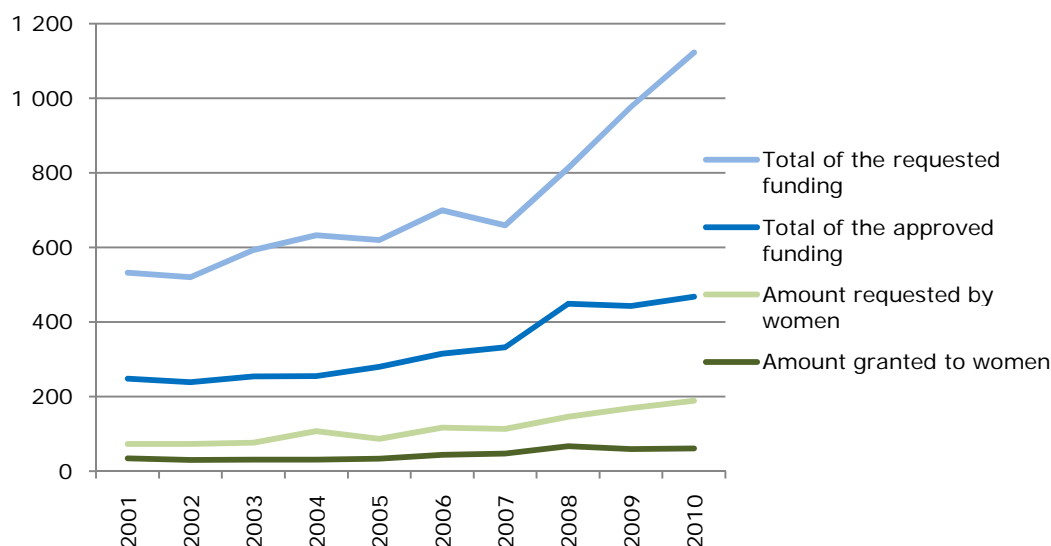
The number of applications submitted includes all project and conference applications as well as applications for special funding.¹

Year	Number of applications submitted			Number of applications approved		
	Total	Women	Men	Total	Women	Men
2001	1,736	16%	84%	1,200	16%	84%
2002	1,762	19%	81%	1,174	18%	82%
2003	1,885	16%	84%	1,191	15%	85%
2004	1,998	17%	83%	1,215	15%	85%
2005	1,945	17%	83%	1,224	15%	85%
2006	2,048	17%	83%	1,375	15%	85%
2007	2,105	19%	81%	1,393	17%	83%
2008	2,273	21%	79%	1,561	20%	80%
2009	2,383	20%	80%	1,453	18%	82%
2010	2,784	20%	80%	1,556	19%	81%

¹Up to 2002, the figure includes summer schools as well as additional grants and additional personnel expenses.

2.6 Requested and approved amounts since the year 2001

Total of requested and approved amounts



Since 2007, the amounts requested in project funding have risen more rapidly than the corresponding budget of the SNSF. The increase in approved amounts since 2007 is only partially attributable to budget increases in ordinary project funding. In 2008 and 2010, the increase was largely due to the award of earmarked funds (Special Programme University Medicine and Patient-oriented Clinical Research).

Year	Amount requested			Amount approved		
	Total	Women	Men	Total	Women	Men
2001	533	14%	86%	249	14%	86%
2002	520	14%	86%	239	13%	87%
2003	593	13%	87%	254	12%	88%
2004	633	17%	83%	255	12%	88%
2005	620	14%	86%	280	12%	88%
2006	700	17%	83%	315	14%	86%
2007	659	17%	83%	332	14%	86%
2008	813	18%	82%	449	15%	85%
2009	977	17%	83%	443	14%	86%
2010	1,123	17%	83%	468	13%	87%

2.7 Funding by group of disciplines and sex

Amounts in millions CHF

	Number of proposals submitted			Number of proposals approved			Amount approved		
	Total	Women	Men	Total	Women	Men	Total	Women	Men
Humanities and Social Sciences	917	261	656	501	148	353	73.4	24%	76%
Philosophy, Psychology, Educational Science and Religious Science	284	95	189	155	51	104	21.2	28%	72%
Legal and Social Sciences, Economics	297	70	227	153	43	110	21.8	22%	78%
History	85	20	65	57	16	41	8.1	22%	78%
Archaeology, Ethnology, Art Studies and Social Urban Science	159	44	115	84	23	61	12.4	19%	81%
Linguistics and Literature	92	32	60	52	15	37	9.9	33%	67%
Mathematics, Natural and Engineering Sciences	878	92	786	586	58	528	155.5	8%	92%
Mathematics	65	11	54	50	7	43	12.6	11%	89%
Astronomy, Astrophysics and Space Sciences	23	1	22	20	1	19	10.2	2%	98%
Chemistry	145	23	122	97	12	85	25.4	14%	86%
Physics	179	10	169	134	6	128	46.0	2%	98%
Engineering Sciences	293	29	264	169	18	151	33.1	12%	88%
Environmental Sciences	83	8	75	50	4	46	10.8	5%	95%
Earth Sciences	90	10	80	66	10	56	17.4	12%	88%
Biology and Medicine	841	189	652	400	75	325	181.4	13%	87%
Basic Biological Research	233	51	182	139	22	117	59.0	14%	86%
General Biology	68	11	57	39	7	32	15.8	11%	89%
Basic Medical Research	194	36	158	100	20	80	39.1	15%	85%
Experimental Medicine	119	32	87	61	10	51	23.5	17%	83%
Clinical Medicine	165	41	124	46	10	36	32.8	8%	92%
Preventive Medicine (Epidemiology/Early Diagnosis/Prevention)	48	12	36	10	4	6	9.6	16%	84%
Social Medicine	14	6	8	5	2	3	1.6	28%	72%
Interdisciplinary Research and Sinergia	148	27	121	69	10	59	57.3	11%	89%
Total	2,784	569	2,215	1,556	291	1,265	467.6	13%	87%

2.8 Funding by group of disciplines and institution¹

Amounts in millions CHF

	Universities										ETH Domain			Universities of applied sciences	Various ²	Total
	Berne	Basel	Fribourg	Geneva	Lucerne	Lausanne	Neuchâtel	St. Gallen	Ticino (USI)	Zurich	EPF Lausanne	ETH Zurich	Research institutes ³			
Humanities and Social	7.0	7.1	4.2	8.0	0.9	5.6	0.8	2.1	1.1	15.4	0.5	4.7	0.2	10.1	5.7	73.4
Philosophy, Psychology, Educational Science and Religious Science	1.4	2.8	2.2	3.7	0.2	1.1	0.1	-	-	5.2	0.0	0.3	-	4.1	0.1	21.2
Legal and Social Sciences, Economics	1.4	0.9	0.2	2.1	0.2	3.6	0.2	1.9	0.6	4.4	0.3	2.7	0.2	1.4	1.7	21.8
History	1.0	1.2	0.7	1.3	0.3	0.2	0.4	-	0.2	1.0	-	0.4	-	-	1.4	8.1
Archaeology, Ethnology, Art Studies and Social Urban Science	1.6	1.3	0.7	0.0	0.2	0.1	0.1	-	0.3	0.6	0.2	1.0	-	4.3	2.0	12.4
Linguistics and Literature	1.6	0.9	0.4	0.9	-	0.6	0.0	0.2	-	4.2	-	0.3	-	0.3	0.5	9.9
Mathematics, Natural and Engineering Sciences	16.3	12.1	5.4	18.8	-	4.4	2.3	-	2.2	10.1	33.4	34.0	11.1	0.4	5.0	155.5
Mathematics	1.4	0.7	0.3	1.7	-	0.2	0.9	-	0.5	2.2	2.3	2.4	-	-	-	12.6
Astronomy, Astrophysics and Space Sciences	3.0	0.9	-	4.1	-	-	-	-	-	0.4	-	0.6	-	-	1.2	10.2
Chemistry	3.3	5.1	1.7	0.6	-	0.1	0.8	-	-	2.2	3.4	6.4	1.7	0.1	-	25.4
Physics	4.0	3.9	2.6	9.6	-	-	0.1	-	-	2.8	12.3	7.0	3.5	-	0.2	46.0
Engineering Sciences	0.7	0.7	0.5	1.0	-	0.1	0.2	-	1.7	1.2	15.0	8.4	2.5	0.3	0.8	33.1
Environmental Sciences	2.1	0.2	-	0.1	-	0.2	-	-	-	0.5	0.2	3.5	2.8	-	1.2	10.8
Earth Sciences	1.8	0.6	0.3	1.7	-	3.8	0.3	-	-	0.8	0.2	5.7	0.6	-	1.6	17.4
Biology and Medicine	16.5	25.4	5.1	27.2	-	31.5	1.1	-	-	40.2	7.9	15.6	3.4	-	7.5	181.4
Basic Biological Research	3.4	8.4	2.9	10.9	-	8.4	0.6	-	-	9.0	4.4	6.8	2.5	-	1.7	59.0
General Biology	1.7	1.3	0.5	-	-	2.8	0.5	-	-	3.6	-	3.8	0.9	-	0.7	15.8
Basic Medical Research	4.3	4.5	1.6	6.5	-	4.8	-	-	-	11.0	3.0	2.5	-	-	0.9	39.1
Experimental Medicine	3.2	3.6	0.1	2.0	-	4.6	-	-	-	5.9	0.5	1.4	-	-	2.2	23.5
Clinical Medicine	2.5	6.3	-	1.7	-	10.9	-	-	-	8.5	0.0	1.1	-	-	1.8	32.8
Preventive Medicine (Epidemiology/Early Diagnosis/Prevention)	0.8	0.9	-	5.5	-	-	-	-	-	2.2	-	-	-	-	0.2	9.6
Social Medicine	0.6	0.4	-	0.6	-	-	-	-	-	-	-	-	-	-	-	1.6
Interdisciplinary Research and Sinergia	1.9	5.9	1.7	9.1	-	8.0	3.3	0.0	1.2	7.2	6.7	6.5	3.3	0.3	2.2	57.3
Total	41.7	50.5	16.4	63.1	0.9	49.5	7.5	2.1	4.5	72.9	48.5	60.8	18.0	10.8	20.4	467.6

¹ If no proposal was presented by the respective institution, this is denoted by a dash. Amounts lower than CHF 0.05 million are shown as zero.

² Various (Individuals, non-profit organisations, etc.)

³ Research institutes in the ETH Domain (EMPA, EAWAG, PSI, WSL)

3. Individual funding

With a multi-faceted fellowship and grants programme the SNSF provides targeted career support for highly promising young researchers.

3.1 Funding by funding scheme

Amounts in millions CHF

	Number of applications submitted					Number of applications approved					Approved amount
	New applications			Follow-up applications		New applications			Follow-up applications		
	Total	Women	Men	Women	Men	Total	Women	Men	Women	Men	
Fellowships (prospective)	711	266	445	48	79	480	187	293	31	45	28.6
Fellowships (advanced)	166	68	98	7	16	108	39	69	2	12	11.2
Marie Heim-Vögtlin Programme (MHV)	101	101	-	6	-	37	37	-	5	-	6.1
Ambizione	189	82	107	-	-	53	18	35	-	-	26.2
SNSF Professorships	201	50	151	8	11	44	13	31	8	11	73.8
Total (excl. ProDoc)	1,368	567	801	69	106	722	294	428	46	68	145.9
ProDoc	116	31	85	0	5	36	10	26	0	4	13.5
Overall total (incl. ProDoc)	1,484	598	886	69	111	758	304	454	46	72	159.4

The budget for individual funding remained stable in 2010 compared to the previous year. With the exception of SNSF professorships and ProDoc, demand reached an all time peak in all funding schemes. A portion of the funds allocated to ProDoc remained unused due to the high number of sub-standard proposals. However, these funds will be available again for ProDoc in 2011.

Funding by funding scheme and research area
 Amounts in millions CHF

	Number of applications submitted					Number of applications approved					Success rate ¹			Amount approved
	New proposals			Application for continuation		New proposals			Application for continuation		Total	Women	Men	
	Total	Women	Men	Women	Men	Total	Women	Men	Women	Men				
Fellowships (prospective)	711	266	445	48	79	480	187	293	31	45	68%	70%	66%	28.6
Humanities and Social Sciences	298	133	165	33	32	216	99	117	21	17	72%	74%	71%	11.6
Mathematics, Natural and Engineering Sciences	194	50	144	3	26	127	32	95	2	15	65%	64%	66%	7.7
Biology and Medicine	219	83	136	12	21	137	56	81	8	13	63%	67%	60%	9.3
Fellowships (advanced)	166	68	98	7	16	108	39	69	2	12	65%	57%	70%	11.2
Humanities and Social Sciences	58	26	32	3	1	39	17	22	0	1	67%	65%	69%	4.7
Mathematics, Natural and Engineering Sciences	26	7	19	0	2	17	5	12	0	2	65%	71%	63%	1.5
Biology and Medicine	82	35	47	4	13	52	17	35	2	9	63%	49%	74%	5.0
Marie Heim-Vögtlin Programme (MHV)	101	101	-	6	0	37	37	-	5	0	37%	37%	-	6.1
Humanities and Social Sciences	39	39	-	4	-	15	15	-	4	-	38%	38%	-	1.9
Mathematics, Natural and Engineering Sciences	20	20	-	2	-	7	7	-	1	-	35%	35%	-	1.2
Biology and Medicine	42	42	-	-	-	15	15	-	-	-	36%	36%	-	3.0
Ambizione	189	81	108	-	-	53	18	35	-	-	28%	22%	32%	26.2
Humanities and Social Sciences	63	32	31	-	-	16	6	10	-	-	25%	19%	32%	6.6
Mathematics, Natural and Engineering Sciences	57	21	36	-	-	17	7	10	-	-	30%	33%	28%	8.2
Biology and Medicine	69	28	41	-	-	20	5	15	-	-	29%	18%	37%	11.4
SNSF Professorships	201	50	151	8	11	44	13	31	8	11	22%	26%	21%	73.8
Humanities and Social Sciences	55	24	31	3	4	12	6	6	3	4	22%	25%	19%	19.6
Mathematics, Natural and Engineering Sciences	72	9	63	0	5	16	3	13	0	5	22%	33%	21%	26.6
Biology and Medicine	74	17	57	5	2	16	4	12	5	2	22%	24%	21%	27.6
Total (excl. ProDoc)	1,368	566	802	69	106	722	294	428	46	68	53%	52%	53%	145.9
ProDoc	122	31	91	0	5	40	10	30	0	4	33%	32%	33%	13.5
ProDoc teaching module	19	4	15	0	5	5	1	4	0	4	26%	25%	27%	1.7
Humanities and Social Sciences	13	3	10	-	4	3	0	3	-	3	23%	0%	30%	1.0
Mathematics, Natural and Engineering Sciences	3	-	3	-	1	1	0	1	-	1	33%	-	33%	0.4
Biology and Medicine	3	1	2	-	-	1	1	0	-	-	33%	100%	0%	0.3
ProDoc research module	103	27	76	0	0	35	9	26	0	0	34%	33%	34%	11.8
Humanities and Social Sciences	64	19	45	-	-	24	6	18	-	-	38%	32%	40%	7.7
Mathematics, Natural and Engineering Sciences	9	2	7	-	-	1	0	1	-	-	11%	0%	14%	0.1
Biology and Medicine	30	6	24	-	-	10	3	7	-	-	33%	50%	29%	4.0
Overall total (incl. ProDoc)	1,490	597	893	69	111	762	304	458	46	72	51%	51%	51%	159.4

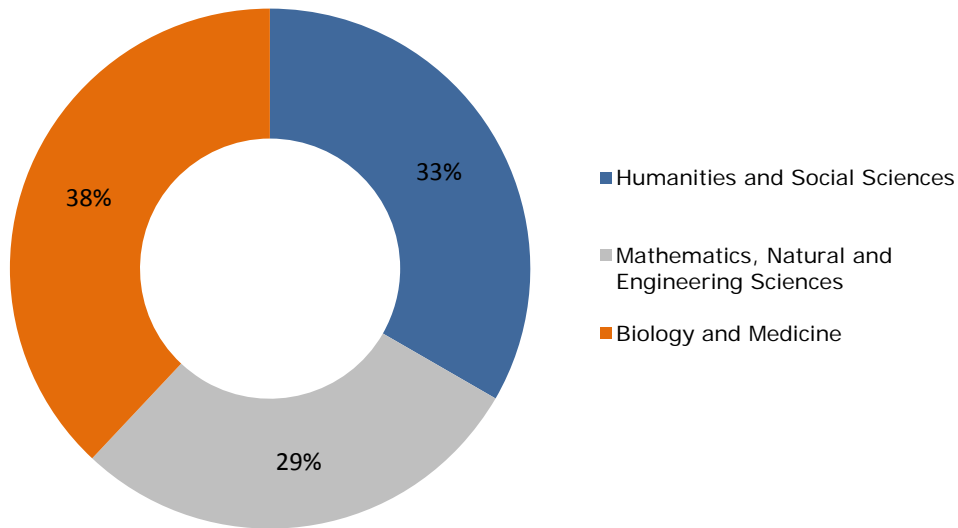
¹Ratio of the number of applications approved to the number of applications submitted (new applications)

The budget for individual funding remained stable in 2010 as compared to the previous year. With the exception of SNSF professorships and ProDoc, demand reached an all time peak in all funding schemes. A portion of the funds allocated to ProDoc remained unused due to the high number of sub-standard proposals. However, these funds will again be available for ProDoc in 2011.

3.2 Funding by research area

Amounts in millions CHF

Distribution of the approved amounts



	Amount
Humanities and Social Sciences	53.1
Mathematics, Natural and Engineering Sciences	45.7
Biology and Medicine	60.6
Total	159.4

3.3 Funding by funding scheme and institution ¹

Amounts in millions CHF

SNSF Professorships, Ambizione, ProDoc, Prospective researchers² and MHV

	Universities									ETH Domain			Various ⁴	Fellowship commission	Total	
	Berne	Basel	Fribourg	Geneva	Lucerne	Lausanne	Neuchâtel	St. Gallen	Ticino (USI)	Zurich	EPF Lausanne	ETH Zurich				Research institutes ³
Number of proposals approved⁵																
SNSF Professorships	4	4	4	8	1	3	0	0	1	8	4	6	-	1	-	44
Ambizione	8	2	5	11	0	4	2	0	0	4	1	11	2	3	-	53
ProDoc	4	2	4	3	1	6	3	0	2	6	0	2	-	3	-	36
Prospective researchers	49	34	40	55	6	42	18	27	15	74	35	56	-	-	29	480
Marie Heim-Vögtlin Programme (MHV)	6	3	1	2	0	4	2	0	-	9	4	5	1	-	-	37
Total	71	45	54	79	8	59	25	27	18	101	44	80	3	7	29	650
Amounts approved⁶																
SNSF Professorships	6.3	7.2	5.9	12.6	2.2	4.9	0.0	0.0	1.4	13.3	8.2	10.1	-	1.7	-	73.8
Ambizione	3.8	1.0	2.5	5.5	0.0	1.8	1.1	0.0	0.0	2.0	0.5	5.4	-	1.5	1.1	26.2
ProDoc	1.2	0.9	1.6	1.2	0.2	2.4	0.9	0.0	0.9	2.3	0.0	0.9	-	1.0	-	13.5
Prospective researchers	3.0	2.0	2.1	3.4	0.4	2.4	1.1	1.3	0.8	4.3	2.4	3.0	-	0.0	2.4	28.6
Marie Heim-Vögtlin Programme (MHV)	0.8	0.5	0.1	0.4	0.0	0.7	0.2	0.0	-	1.6	0.7	0.9	0.2	-	-	6.1
Total	15.1	11.6	12.2	23.1	2.8	12.2	3.3	1.3	3.1	23.5	11.8	20.3	0.2	4.2	3.5	148.2

¹ If no proposal was presented by the respective institution, this is denoted by a dash. Amounts lower than CHF 0.05 million are shown as zero.

² Excl. Fellowships for advanced researchers, since these cannot be allocated to the individual institutions

³ Research institutes in the ETH Domain (EMPA, EAWAG, PSI, WSL)

⁴ Various (Universities of applied sciences, research centres, museums, libraries, individuals, etc.)

⁵ Includes only new submissions

⁶ Includes new submissions and follow-up proposals

4. International co-operation and networking

The international involvement of the SNSF manifests itself principally in the transnational co-operation of researchers within the context of Project funding and Individual funding. This is supplemented by funding schemes specific to international collaborations.

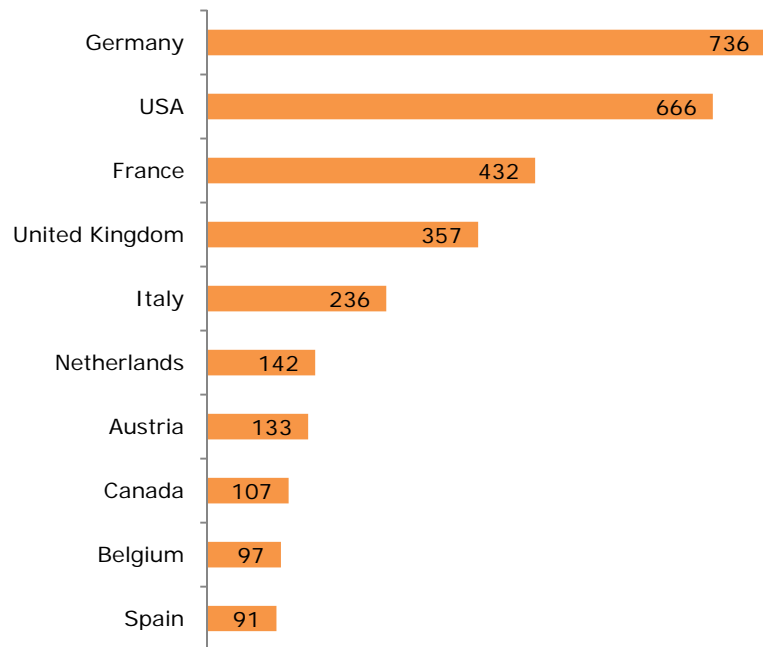
4.1 Funding by funding scheme

Amounts in millions CHF

	Amount
SCOPES / ESTROM Programme	0.1
Research Partnerships with Developing Countries	5.6
International Short Visits	0.7
International Exploratory Workshops	0.4
Multilateral co-operation	0.3
Total	7.1

4.2 International networking in Project funding

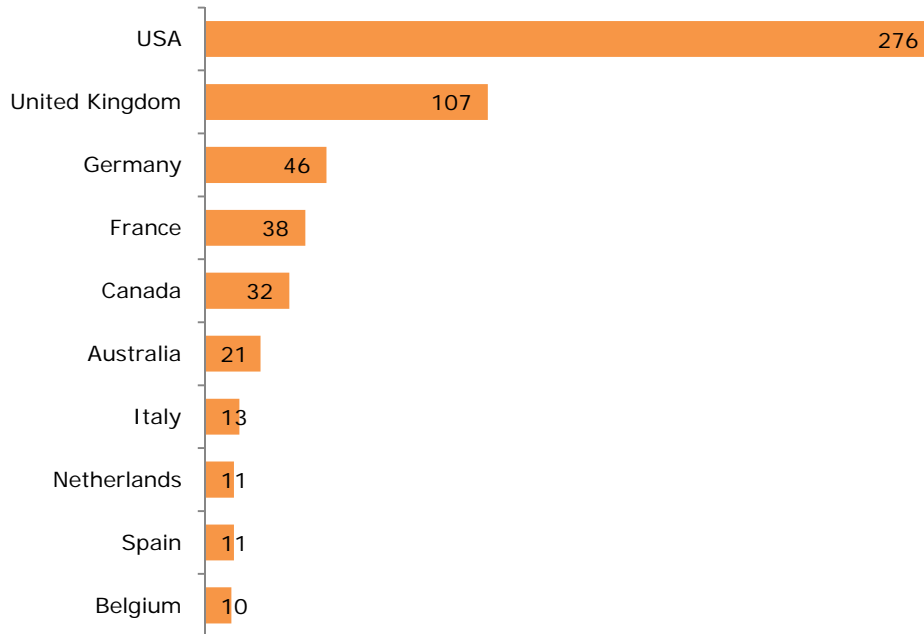
Number of international collaborations



Nearly 3800 instances of international collaboration have taken place in total. The table shows the ten countries with which the most frequent collaboration has occurred.

4.3 Fellowships by host country

Number of fellowships



With 588 fellowships for prospective and advanced researchers, the SNSF supported a total of 655 work periods abroad. The graph shows the ten most frequent host countries.

5. National Research Programmes (NRP)

The National Research Programmes generate scientific knowledge aimed at solving Switzerland's most pressing problems. The topics are specified by the Federal Council.

5.1 Overview of NRPs

Amounts in millions CHF¹

	Approved amount 2010 ²	Overall Budget	Overall amount approved up to 2010 ³	Duration
Current NRPs	Total		Total	
NRP 54 Sustainable Development of the Built Environment	0.4	13.0	11.1	2004-2011
NRP 56 Language Diversity and Linguistic Competence in Switzerland	0.0	8.0	7.8	2004-2010
NRP 57 Non-Ionising Radiation - Health and Environment	0.0	5.0	4.6	2006-2011
NRP 58 Religions, the State and Society	0.6	10.0	9.5	2006-2011
NRP 59 Benefits and Risks of the Deliberate Release of Genetically Modified Plants	1.2	15.0	12.8	2007-2012
NRP 60 Gender Equality	6.2	8.0	6.2	2010-2013
NRP 61 Sustainable Water Management	1.1	12.0	9.5	2010-2013
NRP 62 Smart Materials	1.3	11.0	6.5	2010-2014
NRP 63 Stem Cells and Regenerative Medicine	5.5	10.0	5.6	2010-2014
NRP 64 Opportunities and Risks of Nanomaterials	7.2	12.0	7.2	2010-2015
NRP 65 New Urban Quality	3.4	5.0	3.4	2010-2013
New NRPs⁴				
NRP 66 Resource Wood	-	15.0	-	2012-2017
NRP 67 End of life	0.4	12.0	0.4	2012-2018
Total	27.5	136.0	84.6	

¹Amounts under CHF 0.05 million are shown as zero

² Excluding grants for formally terminated programmes (CHF 0.1 million)

³ These amounts do not take account of repayments, third party funds, etc.

In 2010, the Federal Council mandated the SNSF to carry out two new NRPs: NRP 66 "Resource Wood" and NRP 67 "End of Life". For both NRPs, research work will start in 2012. NRP 56 "Language Diversity and Linguistic Competence in Switzerland" was officially concluded in December 2010.

The share of women in the ongoing NRPs has remained largely unchanged (women 20 %, men 80%).

5.2 Research contributions¹ by research area and institution²

Amounts in millions CHF

	Humanities and Social Sciences	Mathematics, Natural and Engineering Sciences	Biology and Medicine	Total
Universities	5.6	2.0	6.2	13.8
Berne	0.9	0.0	1.5	2.4
Basel	0.6	0.5	0.9	2.0
Fribourg	0.9	0.5	-	1.4
Geneva	0.0	-	0.7	0.7
Lucerne	0.1	-	-	0.1
Lausanne	1.4	-	0.9	2.3
Neuchâtel	0.0	-	-	0.0
St. Gallen	0.5	-	-	0.5
Ticino (USI)	0.8	-	-	0.8
Zurich	0.4	1.0	2.2	3.6
ETH Domain	2.1	2.7	1.0	5.8
EPF Lausanne	0.0	0.7	0.6	1.3
ETH Zurich	1.5	0.1	0.1	1.7
Research institutes ³	0.6	1.9	0.3	2.8
Universities of applied sciences⁴	0.7	0.0		0.7
Various⁵	3.0	2.0	2.3	7.3
Total	11.4	6.7	9.5	27.6

¹Without implementation mandates

²If no application was presented by the respective institution, this is denoted by a dash. Amounts lower than CHF 0.05 million are shown as zero.

³Research institutes in the ETH Domain (EMPA, EAWAG, PSI, WSL)

⁴Incl. Universities of teacher education

⁵Various (research centres, museums, libraries, individuals, companies, non-profit organisations)

6. National Centres of Competence in Research (NCCR)

With the National Centres of Competence in Research the SNSF promotes long-term research networks in areas of strategic significance for the future of Swiss science, economy and society.

6.1 Current NCCRs in overview

Amounts in million CHF

Series 2001	Contribution SNSF 2010 ¹	Contribution SNSF for 12 years	Total budget for 12 years	Start	Home institution
Financial Valuation and Risk Management (FINRISK)	2.1	28.2	57.9	2001	University of Zurich
Computer Aided and Image Guided Medical Interventions (CO-ME)	2.0	42.7	112.4	2001	ETH Zurich
Frontiers in Genetics (Genetics)	2.0	43.0	108.8	2001	University of Geneva
Interactive Multimodal Information Management (IM2)	1.1	32.8	85.2	2002	Idiap, Martigny
Climate	1.7	26.6	114.7	2001	University of Berne
Materials with Novel Electronic Properties (MaNEP)	2.9	49.6	187.7	2001	University of Geneva
Mobile Information and Communication Systems (MICS)	2.0	37.5	98.1	2001	EPF Lausanne
Molecular Oncology	2.2	43.6	110.6	2001	EPF Lausanne
Nanoscale Science	2.9	49.3	160.2	2001	University of Basel
North-South	2.0	36.4	97.1	2001	University of Berne
Neural Plasticity and Repair (NEURO)	2.5	42.7	234.5	2001	University of Zurich
Quantum Photonics	2.3	44.8	118.5	2001	EPF Lausanne
Structural Biology — Molecular Life Sciences	2.0	36.7	103.4	2001	University of Zurich
Plant Survival	1.9	33.4	75.8	2001	University of Neuchâtel
Total	29.6	547.3	1,664.9		
Series 2005	Contribution SNSF 2010 ¹	Contribution SNSF for 8 years	Total budget for 8 years	Start	Home institution
Affective Sciences — Emotion in Individual Behaviour and Social Processes	2.5	20.0	49.6	2005	University of Geneva
Democracy — Challenges to Democracy in the 21st Century	1.9	14.6	30.8	2005	University of Zurich
Iconic Criticism — The Analysis of Image Processes	1.9	14.6	33.1	2005	University of Basel
Mediality — Historical Perspectives	1.5	11.7	19.6	2005	University of Zurich
International Trade Regulation — From Fragmentation to Coherence	2.3	19.8	24.4	2005	University of Berne
Total	10.1	80.7	157.5		

Series 2010	Contribution SNSF 2010 ¹	Contribution SNSF for 4 years	Total budget for 4 years	Start	Home institution
Chemical Biology — Visualisation and Control of Biological Processes Using Chemistry	2.7	13.4	28.6	2010	University of Geneva / EPF Lausanne
Kidney.CH — Kidney Control of Homeostasis	3.1	16.5	28.5	2010	University of Zurich
LIVES — Overcoming vulnerability: life course perspectives	2.5	14.5	31.1	2011	University of Lausanne / University of Geneva
MUST — Molecular Ultrafast Sciences and Technology	5.5	17.3	38.9	2010	ETH Zurich / University of Berne
QSIT — Quantum Science and Technology		17.1	55.3	2011	ETH Zurich / University of Basel
Robotics — Intelligent Robots for Improving the Quality of Life	2.4	13.3	35.4	2010	EPF Lausanne
SYNAPSY — The synaptic bases of mental diseases	3.6	17.5	43.2	2010	EPF Lausanne / University of Lausanne / University of Geneva
TransCure — From transport physiology to identification of therapeutic targets	3.0	14.1	26.2	2010	University of Berne
Total	22.8	123.7	287.2		

All NCCRs	62.5	628.0	1,822.4		
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¹Also contains contributions for management, knowledge and technology transfer, promotion of young scientists, etc.

6.2 Research contributions by research area and institution (SNSF portion only)¹

Amounts in millions CHF

	Humanities and Social Sciences	Mathematics, Natural and Engineering Sciences	Biology and Medicine	Total
Universities	13.7	10.6	15.5	39.8
Berne	2.9	3.0	2.7	8.6
Basel	1.7	2.3	1.7	5.7
Fribourg	0.2	0.3	0.5	1.0
Geneva	3.6	4.2	3.2	11.0
Lucerne	0.1	-	-	0.1
Lausanne	1.1	-	2.2	3.3
Neuchâtel	-	0.0	1.2	1.2
St. Gallen	0.5	-	-	0.5
Ticino (USI)	0.3	-	-	0.3
Zurich	3.3	0.8	4.0	8.1
ETH Domain	0.7	11.7	8.6	21.0
EPF Lausanne	0.1	4.8	4.3	9.2
ETH Zurich	0.6	5.8	4.3	10.7
Research institutes ²	0.0	1.1	0.0	1.1
Universities of applied sciences	0.3	-	-	0.3
Various³	0.2	0.8	0.4	1.4
Total	14.9	23.1	24.5	62.5

¹If no application was presented by the respective institution, this is denoted by a dash. Amounts lower than CHF 0.05 million are shown as zero.

²Research institutes in the ETH Domain (EMPA, EAWAG, PSI, WSL)

³Various (research centres, museums, libraries, individuals, etc.)