## Statistics 2015 - Full version

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## 1. Overview of funding

### 1.1 Funding by research area

## Amounts in CHF million

## Distribution of the approved amounts



|  | Amount | Women |
| :--- | ---: | ---: |
| Humanities and social sciences | 218.2 | $36 \%$ |
| Mathematics, natural and engineering sciences | 306.0 | $64 \%$ |
| Biology and medicine | 353.3 | $15 \%$ |
| Unapportionable | 0.2 | $85 \%$ |
| Total | 877.7 | $77 \%$ |

Funding was distributed slightly differently across the science areas compared to the previous year. A shift was registered in biology and medicine (+3\%) and in mathematics, natural and engineering sciences (-3\%).

## Approved amounts since 2005



The distribution of funds across the three research areas is based largely on demand.

### 1.2 Funding by scheme

## Amounts in CHF million

Distribution of the approved amounts


|  | Number | Amount |
| :--- | ---: | ---: |
| Projects | 1,117 | 441.4 |
| Careers | 1,149 | 199.0 |
| Programmes | 535 | 203.8 |
| Infrastructures | 74 | 27.9 |
| Science communication | 398 | 5.4 |
| Total | 3,273 | 877.7 |

In 2015, the SNSF allocated half of its total budget to its main funding scheme, project funding.

## Funding by scheme (in percent)

|  | Approved amount |  |  |
| :--- | ---: | ---: | ---: |
|  | Percent | Women | Men |
| Projects | $50 \%$ | $21 \%$ | $79 \%$ |
| Careers | $23 \%$ | $40 \%$ | $60 \%$ |
| Programmes | $23 \%$ | $15 \%$ | $85 \%$ |
| Infrastructures | $3 \%$ | $10 \%$ | $90 \%$ |
| Science communication | $1 \%$ | $37 \%$ | $63 \%$ |
| Total | $100 \%$ | $24 \%$ | $76 \%$ |

### 1.3 Funding by institution and research area

## Amounts in CHF million

## Distribution of the approved amounts (incl. overhead) ${ }^{\mathbf{1}}$

| Institution | Humanities and social sciences | Mathem., natural and engineering sciences | Biology and medicine | Unassignable | Total in CHF million | Total in \% | Overhead | Total incl. overhead |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Universities | 154.5 | 123.5 | 260.8 | - | 538.8 | 61\% | 59.5 | 598.3 |
| Basel (BS) | 19.4 | 13.7 | 52.1 | - | 85.2 | 10\% | 7.3 | 92.6 |
| Berne (BE) | 18.2 | 28.4 | 38.5 | - | 85.1 | 10\% | 10.5 | 95.6 |
| Fribourg (FR) | 9.3 | 8.1 | 5.1 | - | 22.6 | 3\% | 5.3 | 27.8 |
| Geneva (GE) | 26.2 | 37.0 | 46.2 | - | 109.3 | 12\% | 10.6 | 119.9 |
| Lucerne (LU) | 2.1 | - | - | - | 2.1 | 0\% | 0.9 | 3.1 |
| Lausanne (Uni LS) | 18.2 | 8.0 | 51.3 | - | 77.5 | 9\% | 8.2 | 85.7 |
| Neuchâtel (NE) | 12.3 | 4.0 | 5.0 | - | 21.2 | 2\% | 1.6 | 22.8 |
| St. Gallen (SG) | 2.1 | 0.3 | - | - | 2.4 | 0\% | 0.2 | 2.6 |
| Ticino (TI) | 5.2 | 2.2 | 0.5 | - | 7.9 | 1\% | 1.4 | 9.3 |
| Zurich (Uni ZH) | 41.5 | 21.9 | 62.1 | - | 125.5 | 14\% | 13.4 | 138.9 |
| ETH Domain | 11.9 | 151.9 | 50.8 | - | 214.7 | 24\% | 28.5 | 243.2 |
| EPF Lausanne (ETH LS) | 1.7 | 55.5 | 19.6 | - | 76.8 | 9\% | 9.3 | 86.1 |
| ETH Zurich (ETH ZH) | 9.8 | 75.1 | 27.0 | - | 112.0 | 13\% | 14.9 | 126.9 |
| Research institutes ${ }^{2}$ | 0.4 | 21.3 | 4.2 | - | 25.9 | 3\% | 4.3 | 30.2 |
| Universities of applied sciences ${ }^{3}$ | 20.7 | 4.9 | 1.4 | - | 27.0 | 3\% | 3.5 | 30.6 |
| Zürcher Fachhochschule (ZFH) | 5.6 | 1.0 | 0.3 | - | 6.9 | 1\% | 1.1 | 8.0 |
| Bern University of Applied Sciences (BFH) | 3.8 | 0.0 | 0.3 | - | 4.1 | 0\% | 0.5 | 4.6 |
| University of Applied Sciences and Arts Northwestern Switzerland (FHNW) | 4.8 | 1.1 | 0.8 | - | 6.7 | 1\% | 0.5 | 7.3 |
| University of Applied Sciences Eastern Switzerland (FHO) | 0.0 | 0.0 | - | - | 0.1 | 0\% | 0.3 | 0.3 |
| University of Applied Sciences Western Switzerland (HES-SO) | 3.5 | 1.1 | - | - | 4.6 | 1\% | 0.6 | 5.2 |
| Lucerne University of Applied Sciences and Arts (HSLU) | 1.5 | - |  | - | 1.5 | 0\% | 0.3 | 1.8 |
| University of Applied Sciences and Arts of Southern Switzerland (SUPSI) | 1.0 | 1.5 | - | - | 2.6 | 0\% | 0.2 | 2.8 |
| Kalaidos University of Applied Sciences (FHKD) | 0.6 | - | 0.0 | - | 0.6 | 0\% | - | 0.6 |
| Universities of teacher education ${ }^{4}$ | 1.7 | - | - | - | 1.7 | 0\% | 0.3 | 2.0 |
| Hospitals (independent of higher education institutions) | 0.4 | 0.0 | 3.6 | - | 4.0 | 0\% | 0.1 | 4.1 |
| Other research institutes ${ }^{5}$ | 6.6 | 4.6 | 12.9 | 0.1 | 24.2 | 3\% | 2.4 | 26.6 |
| Others ${ }^{6}$ | 22.4 | 21.0 | 23.8 | 0.1 | 67.3 | 8\% | 0.8 | 0.8 |
| Total | 218.2 | 306.0 | 353.3 | 0.2 | 877.7 | 100\% | 95.1 | 972.8 |

${ }^{1}$ If no application was submitted by the respective institution, this is denoted by a dash. Amounts lower than CHF 0.05 million are shown as zero
${ }^{2}$ Research institutes in the ETH Domain (EMPA, EAWAG, PSI, WSL)
${ }^{3}$ BFH, FHNW, FHO, HES-SO, HSLU, SUPSI, ZFH, Kalaidos. You will find the breakdown by institution in the web version
${ }^{4}$ Without universities of teacher education of FHNW and ZFH
${ }^{5}$ SIAF, AORI, BITG, EHB, Agroscope, FiBL, IRO, FMI, IDIAP, IHEID, IST, IUKB, PMOD, FORS, SPF, SIK-ISEA, CSEM, SIB and other research institutes
${ }^{6}$ Museums, libraries, companies, non-profit organisations and not assignable to an institution (e.g. Doc.Mobility, Early/Advanced Postdoc.Mobility)

The statistics 1.1 and 1.3 are available in interactive and extended form:
LINK

### 1.3.1 Funding by institution since 2005

## Amounts in CHF million

Distribution of the approved amounts (incl. overhead) ${ }^{1}$


|  | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Universities | 297.3 | 317.0 | 349.8 | 440.9 | 454.8 | 475.1 | 448.9 | 487.8 | 496.0 | 480.8 | 538.8 |
| Berne (BE) | 44.6 | 45.3 | 54.3 | 70.9 | 66.3 | 67.9 | 87.5 | 66.1 | 87.2 | 91.8 | 85.1 |
| Basel (BS) | 48.4 | 53.3 | 59.2 | 64.2 | 83.1 | 70.7 | 65.9 | 70.7 | 76.6 | 60.7 | 85.2 |
| Fribourg (FR) | 17.3 | 16.0 | 20.2 | 21.3 | 25.8 | 31.1 | 24.0 | 25.2 | 23.9 | 41.5 | 22.6 |
| Geneva (GE) | 59.1 | 59.8 | 67.7 | 84.5 | 94.0 | 98.5 | 78.8 | 104.9 | 86.8 | 88.2 | 109.3 |
| Lucerne (LU) | 0.4 | 3.7 | 2.5 | 1.3 | 4.3 | 3.8 | 4.6 | 3.6 | 2.4 | 7.0 | 2.1 |
| Lausanne (LS) | 43.8 | 38.6 | 39.1 | 74.7 | 54.5 | 68.5 | 56.0 | 69.6 | 71.6 | 62.3 | 77.5 |
| Neuchâtel (NE) | 21.0 | 20.1 | 21.1 | 18.4 | 18.4 | 12.0 | 12.7 | 18.9 | 12.4 | 15.1 | 21.2 |
| St. Gallen (SG) | 5.2 | 2.9 | 4.0 | 4.3 | 5.5 | 4.5 | 6.1 | 7.1 | 2.4 | 2.0 | 2.4 |
| Ticino (TI) | 2.8 | 4.3 | 5.2 | 5.2 | 5.7 | 9.0 | 8.0 | 5.5 | 6.5 | 10.6 | 7.9 |
| Zurich (ZH) | 54.7 | 73.0 | 76.5 | 96.1 | 97.2 | 109.1 | 105.3 | 116.2 | 126.1 | 101.8 | 125.5 |
| ETH Domain | 113.3 | 124.2 | 128.3 | 174.6 | 187.2 | 188.3 | 189.5 | 196.9 | 188.2 | 237.0 | 214.7 |
| EPF Lausanne (LS) | 36.9 | 47.7 | 48.9 | 73.9 | 64.1 | 71.2 | 72.2 | 71.2 | 73.6 | 75.0 | 76.8 |
| ETH Zurich (ZH) | 65.5 | 69.6 | 69.7 | 82.9 | 98.8 | 94.0 | 93.3 | 101.3 | 92.7 | 126.8 | 112.0 |
| Research institutes ${ }^{2}$ | 10.9 | 6.9 | 9.7 | 17.8 | 24.3 | 23.1 | 24.0 | 24.4 | 21.9 | 35.2 | 25.9 |
| Universities of applied sciences | 7.6 | 7.2 | 8.1 | 9.0 | 12.4 | 12.2 | 19.4 | 17.5 | 19.4 | 27.3 | 27.0 |
| Zürcher Fachhochschule (ZFH) | 1.6 | 2.0 | 0.9 | 2.9 | 3.0 | 2.9 | 2.8 | 5.1 | 3.6 | 8.6 | 6.9 |
| Bern University of Applied Sciences (BFH) | 0.9 | 0.4 | 0.4 | 0.7 | 3.4 | 1.4 | 4.3 | 4.5 | 4.8 | 3.5 | 4.1 |
| University of Applied Sciences and Arts Northwestern Switzerland (FHNW) | 1.9 | 1.2 | 2.8 | 1.9 | 2.3 | 3.6 | 5.0 | 4.3 | 6.5 | 4.5 | 6.7 |
| University of Applied Sciences Eastern Switzerland (FHO) | 0.3 | 0.0 | 0.5 | 0.0 | 0.4 | 0.5 | 0.1 | 0.2 | 0.3 | 2.0 | 0.1 |
| University of Applied Sciences Western Switzerland (HES-SO) | 1.7 | 2.2 | 0.4 | 1.2 | 1.5 | 2.7 | 5.0 | 2.8 | 2.5 | 5.1 | 4.6 |
| Lucerne University of Applied Sciences and Arts (HSLU) | 0.9 | 0.5 | 1.9 | 1.8 | 1.3 | 0.1 | 0.9 | 0.2 | 1.1 | 2.3 | 1.5 |
| University of Applied Sciences and Arts of Southern Switzerland (SUPSI) | 0.3 | 0.9 | 1.0 | 0.5 | 0.5 | 0.7 | 1.3 | 0.4 | 0.6 | 1.3 | 2.6 |
| Kalaidos University of Applied Sciences Switzerland | - | - | 0.2 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | - | - | 0.6 |
| Universities of teacher education ${ }^{3}$ | 0.0 | 0.6 | 0.8 | 1.3 | 1.2 | 1.3 | 2.1 | 1.2 | 2.0 | 1.3 | 1.7 |
| Hospitals (independent of higher education inst.) | - | - | - | - | - | - | - | - | - | 1.0 | 4.0 |
| Other research institutes ${ }^{4}$ | - | - | - | - | - | - | - | - | - | 20.6 | 24.2 |
| Others ${ }^{5}$ | 47.7 | 42.0 | 44.3 | 37.0 | 51.5 | 49.1 | 53.0 | 51.8 | 113.2 | 80.6 | 67.3 |
| Total | 465.9 | 491.0 | 531.3 | 662.8 | 707.1 | 726.0 | 712.9 | 755.2 | 818.8 | 848.5 | 877.7 |

${ }^{1}$ Amounts lower than CHF 0.05 million are shown as zero.
${ }^{2}$ Research institutes in the ETH Domain (EMPA, EAWAG, PSI, WSL)
${ }^{3}$ Without universities of teacher education of FHNW and ZFH
${ }^{4}$ SIAF, AORI, BITG, CREALP, EHB, FTL, Agroscope, FiBL, IRO, FUS, FMI, IDIAP, IHEID, IRR, ISSKA, IST, IKG, IUKB, IRSOL, IRB, ISR, PMOD, RWS, SIK-ISEA, FORS, SPF, STH, CSEM, SIB, THCH et other Research Institutes
${ }^{5}$ Museums, libraries, companies, non-profit organisations and not assignable to an institution (e.9. Doc.Mobility, Early/Advanced Postdoc.Mobility)

### 1.4 Use of approved amounts



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 career funding or for the appointment of personnel in research projects.

### 1.5 Personnel in research projects

14,800 researchers were involved in SNSF-funded projects in 2015. This figure consists the applicants and their staff.
All in all, the SNSF funded approximately 10,000 members of personnel: 5,800 via project funding, 1,100 via career funding and 3,100 through programmes. They comprise:

|  | Total | Women | Men |
| :--- | ---: | ---: | ---: |
| Scientists $^{1}$ | $33 \%$ | $40 \%$ | $60 \%$ |
| Personnel at doctoral level | $50 \%$ | $44 \%$ | $56 \%$ |
| Technicians, support staff | $17 \%$ | $62 \%$ | $38 \%$ |
| Total | $\mathbf{1 0 0 \%}$ | $46 \%$ | $54 \%$ |

${ }^{1}$ Senior researchers and post-docs

Funding for research projects primarily benefits the promotion of young scientists in Switzerland. Thus $75 \%$ of the collaborators are 35 years old or younger.

### 1.6 Success rates

## Amounts in CHF million

|  | Success rate ${ }^{1}$ |  |  | Number of applications submitted |  |  | Number of applications approved |  |  | Approved amount |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Women | Men | Total | Women | Men | Total | Women | Men |  |
| Projects | 45\% | 43\% | 46\% | 2486 | 549 | 1937 | 1117 | 235 | 882 | 441.4 |
| Humanities and social sciences | 43\% | 43\% | 43\% | 743 | 240 | 503 | 321 | 104 | 217 | 105.4 |
| Mathematics, natural and engineering sciences | 49\% | 40\% | 51\% | 841 | 108 | 733 | 416 | 43 | 373 | 148.9 |
| Biology and medicine | 43\% | 45\% | 42\% | 786 | 179 | 607 | 336 | 81 | 255 | 167.4 |
| Interdisciplinary research | 38\% | 32\% | 39\% | 116 | 22 | 94 | 44 | 7 | 37 | 19.8 |
| Careers ${ }^{2}$ |  |  |  |  |  |  |  |  |  |  |
| Doc.CH | 33\% | 39\% | 27\% | 142 | 72 | 70 | 47 | 28 | 19 | 9.7 |
| Doc.Mobility | 53\% | 52\% | 54\% | 310 | 147 | 163 | 165 | 77 | 88 | 8.2 |
| Early Postdoc.Mobility | 57\% | 59\% | 55\% | 715 | 271 | 444 | 404 | 160 | 244 | 33.0 |
| Advanced Postdoc.Mobility ${ }^{3}$ | 48\% | 49\% | 48\% | 311 | 121 | 190 | 150 | 59 | 91 | 17.4 |
| Marie Heim-Vögtlin grants (MHV) | 28\% | 28\% | - | 140 | 140 | - | 39 | 39 | - | 8.7 |
| Ambizione | 19\% | 19\% | 18\% | 360 | 120 | 240 | 67 | 23 | 44 | 34.8 |
| SNSF professorships | 16\% | 16\% | 16\% | 254 | 88 | 166 | 40 | 14 | 26 | 74.4 |
| Programmes |  |  |  |  |  |  |  |  |  |  |
| Sinergia | 33\% | 33\% | 33\% | 126 | 24 | 102 | 42 | 8 | 34 | 64.5 |
| SCOPES | 47\% | 45\% | 47\% | 113 | 22 | 91 | 53 | 10 | 43 | 5.2 |
| r4d programme ${ }^{4}$ | 33\% | - | 33\% | 9 | - | 9 | 3 | - | 3 | 5.9 |
| Infrastructures | 64\% | 66\% | 56\% | 115 | 99 | 16 | 74 | 65 | 9 | 27.9 |
| Science communication ${ }^{5}$ | 87\% | 88\% | 86\% | 396 | 137 | 259 | 344 | 120 | 224 | 4.7 |

science communication
Stic of the number of applications approved to the number of applications submitted
Success rates without follow-up applications
Without return grants
Based on pre-proposals for the thematic modules Ecosystems and Food Security
Without the applications for the OAPEN.CH pilot project
he SNSF analyses the differences between the success rates of female and male applicants every year. For this purpose, it has introduced a gender equality monitoring system that examines the differences and attempts to identify the determining factors.

Submitted applications by gender

|  | Women | Men |
| :--- | ---: | ---: |
| Doc.CH | $51 \%$ | $49 \%$ |
| Doc.Mobility | $47 \%$ | $53 \%$ |
| Early Postdoc.Mobility | $38 \%$ | $62 \%$ |
| Advanced Postdoc.Mobility | $39 \%$ | $61 \%$ |
| Marie Heim-Vögtlin grants (MHV) | $100 \%$ | $0 \%$ |
| Ambizione | $33 \%$ | $67 \%$ |
| SNSF professorships | $35 \%$ | $65 \%$ |
| Projects | $22 \%$ | $78 \%$ |
| The proportion of female applicants is 100\% as the MHV grant is a programme for women scientists. |  |  |

## 2. Projects

The SNSF supports research projects of high quality across all disciplines. The topics are selected by the researchers. The awarded grants mainly cover staff salaries and research costs.

### 2.1 Funding by research area

## Amounts in CHF million

## Distribution of the approved amounts



| Humanities and social sciences | Amount |
| :--- | ---: |
| Mathematics, natural and engineering sciences | 105.4 |
| Biology and medicine | 148.9 |
| Interdisciplinary research | 167.4 |
| Total | 19.8 |

### 2.1.1 Funding by group of disciplines and gender

Amounts in CHF million

|  | Number of proposals submitted |  |  | Number of proposals approved |  |  | Amount approved |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Women | Men | Total | Women | Men | Total | Women | Men |
| Humanities and social sciences | 743 | 240 | 503 | 321 | 104 | 217 | 105.4 | 35\% | 65\% |
| Theology \& religious studies, history, classical studies, archaeology, preh | 114 | 26 | 88 | 49 | 14 | 35 | 19.2 | 44\% | 56\% |
| Linguistics and literature, philosophy | 115 | 37 | 78 | 57 | 19 | 38 | 17.0 | 35\% | 65\% |
| Art studies, musicology, theatre and film studies, architecture | 86 | 22 | 64 | 33 | 6 | 27 | 11.9 | 24\% | 76\% |
| Ethnology, social and human geography | 29 | 11 | 18 | 13 | 7 | 6 | 4.5 | 51\% | 49\% |
| Psychology, educational studies | 142 | 67 | 75 | 69 | 28 | 41 | 22.0 | 38\% | 62\% |
| Sociology, social work, political sciences, media and communication studies, health | 130 | 49 | 81 | 44 | 20 | 24 | 15.2 | 41\% | 59\% |
| Economics, law | 127 | 28 | 99 | 56 | 10 | 46 | 15.7 | 18\% | 82\% |
| Mathematics, natural and engineering sciences | 841 | 108 | 733 | 416 | 43 | 373 | 148.9 | 9\% | 91\% |
| Mathematics | 66 | 5 | 61 | 39 | 3 | 36 | 13.8 | 5\% | 95\% |
| Astronomy, astrophysics and space sciences | 34 | 3 | 31 | 21 | 2 | 19 | 8.5 | 12\% | 88\% |
| Chemistry | 115 | 18 | 97 | 66 | 7 | 59 | 28.6 | 7\% | 93\% |
| Physics | 161 | 7 | 154 | 96 | 4 | 92 | 41.9 | 6\% | 94\% |
| Engineering sciences | 308 | 46 | 262 | 111 | 15 | 96 | 31.1 | 13\% | 87\% |
| Environmental sciences | 82 | 15 | 67 | 41 | 6 | 35 | 11.6 | 14\% | 86\% |
| Earth sciences | 75 | 14 | 61 | 42 | 6 | 36 | 13.4 | 15\% | 85\% |
| Biology and medicine | 786 | 179 | 607 | 336 | 81 | 255 | 167.4 | 22\% | 78\% |
| Basic biological research | 190 | 42 | 148 | 98 | 19 | 79 | 56.6 | 16\% | 84\% |
| General biology | 68 | 12 | 56 | 44 | 8 | 36 | 21.6 | 18\% | 82\% |
| Basic medical research | 169 | 42 | 127 | 66 | 16 | 50 | 33.9 | 22\% | 78\% |
| Experimental medicine | 106 | 20 | 86 | 46 | 11 | 35 | 21.4 | 20\% | 80\% |
| Clinical medicine | 194 | 48 | 146 | 63 | 20 | 43 | 26.1 | 32\% | 68\% |
| Preventive medicine (epidemiology/early diagnosis/prevention) | 43 | 12 | 31 | 14 | 6 | 8 | 6.3 | 47\% | 53\% |
| Social medicine | 16 | 3 | 13 | 5 | 1 | 4 | 1.6 | 30\% | 70\% |
| Interdisciplinary research | 116 | 22 | 94 | 44 | 7 | 37 | 19.8 | 15\% | 85\% |
| Total | 2486 | 549 | 1937 | 1117 | 235 | 882 | 441.4 | 21\% | 79\% |

### 2.1.2 Funding by group of disciplines and institution ${ }^{1}$

| Berne |  | Basel | Friboura | Universities |  |  |  |  |  |  | ETH Domain |  |  | Universities of applied sciences | Other research institutes ${ }^{3}$ | Universities of teacher education | $\begin{gathered} \text { Hospitals } \\ \text { (not } \\ \text { higher educ. } \\ \text { inst.) } \end{gathered}$ | Others ${ }^{4}$ | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Geneva |  | Lucerne | Lausanne | Neuchâtel | St. Gallen | Ticino | Zurich | $\begin{array}{r} \text { EPF } \\ \text { Lausanne } \\ \hline \end{array}$ | $\begin{array}{r} \text { ETH } \\ \text { zurich } \end{array}$ | Research institutes |  |  |  |  |  |  |
| Humanities and social sciences | 10.9 |  | 12.4 | 5.6 | 11.2 | 1.2 | 7.3 | 6.3 | 1.3 | 2.8 | 18.9 | 0.7 | 3.7 | 0.2 | 13.7 | 4.4 | 4.4 |  | 0.6 | 105.4 |
| Theology \& religious studies, history, classical studies, archaeology, prehistory and early history | 4.3 | 6.3 | 0.8 | 1.9 | 0.8 | 0.4 | 1.2 | 0.2 | 0.0 | 1.9 |  | 0.3 | 0.0 | 0.2 | 0.4 |  |  | 0.5 | 19.2 |
| Linguistics and literature, philosophy | 1.2 | 1.3 | 1.8 | 2.7 | 0.1 | 0.1 | 2.3 | 0.0 | 0.0 | 6.9 |  | 0.5 | 0.0 |  |  |  |  | 0.1 | 17.0 |
| Art studies, musicology, theatre and film studies, architecture | 0.1 | 0.5 |  | 0.3 |  | 0.9 |  | 0.0 | - | 1.2 | 0.2 | 0.9 | 0.0 | 6.8 | 0.9 | - |  |  | 11.9 |
| Ethnology, social and human aeoaraphy | 0.7 | 0.5 | 0.3 |  |  | 0.4 | 0.7 |  |  | 1.3 | 0.4 |  | 0.2 |  |  |  |  |  | 4.5 |
| $\frac{\text { Psychology, educational studies }}{\text { S }}$ | 3.1 | 1.6 | 0.4 | 5.5 |  | 2.0 |  |  |  | 4.3 |  | 0.5 | 0.0 | 0.4 |  | 4.1 |  | 0.0 | 22.0 |
| Sociology, social work, political sciences, media and communication studies, health | 0.3 | 1.7 | 1.9 | 0.6 | 0.0 | 2.4 | 0.4 | 0.0 | 0.9 | 1.2 | - | 0.4 | 0.0 | 3.4 | 1.6 | 0.3 |  | 0.0 | 15.2 |
| Economics, law | 1.1 | 0.5 | 0.4 | 0.0 | 0.2 | 1.1 | 1.7 | 1.1 | 1.8 | 2.1 | 0.1 | 1.1 | 0.0 | 2.8 | 1.5 |  |  |  | 15.7 |
| Mathematics, natural and engineering sciences | 14.8 | 7.8 | 3.6 | 17.6 |  | 2.7 | 3.0 | 0.3 | 2.7 | 11.8 | 27.6 | 39.2 | 13.8 | 1.4 | 2.1 |  |  | 0.3 | 148.9 |
| Mathematics | 0.7 | 0.5 |  | 2.6 |  | 0.2 | 1.5 |  | 1.2 | 1.9 | 2.8 | 2.4 | 0.0 |  |  |  |  |  | 13.8 |
| Astronomy, astrophysics and space sciences | 1.7 | 0.1 |  | 1.1 |  |  |  |  |  | 1.4 | 0.8 | 2.4 | 0.0 | 0.5 | 0.5 |  |  | 0.0 | 8.5 |
| Chemistry | 2.8 | 2.9 | 0.6 | 3.6 |  |  | 0.4 |  | 0.2 | 1.6 | 5.3 | 8.7 | 2.3 | 0.0 |  |  |  | 0.0 | 28.6 |
| Physics | 4.7 | 3.1 | 1.6 | 7.3 |  |  | 0.4 |  |  | 4.2 | 6.3 | 8.4 | 5.7 | 0.2 |  |  |  |  | 41.9 |
| Engineering sciences | 1.8 | 0.7 | 0.5 | 0.7 |  | 0.2 |  | 0.3 | 1.4 | 0.8 | 10.3 | 9.5 | 3.1 | 0.8 | 1.0 |  |  | 0.1 | 31.1 |
| Environmental sciences | 1.5 | 0.4 |  | 0.3 |  | 0.6 | 0.1 |  |  | 0.9 | 2.1 | 3.0 | 2.2 |  | 0.6 |  |  | 0.0 | 11.6 |
| Earth sciences | 1.7 | 0.2 | 0.8 | 1.9 |  | 1.8 | 0.6 |  |  | 1.0 |  | 4.7 | 0.5 |  |  |  |  | 0.2 | 13.4 |
| Biology and medicine | 19.9 | 23.7 | 4.0 | 25.7 |  | 27.8 | 2.1 |  | 1.8 | 27.2 | 7.8 | 16.4 | 3.4 | 1.4 | 4.0 |  | 1.8 | 0.4 | 167.4 |
| Basic biological research | 4.4 | 8.0 | 1.1 | 9.9 |  | 7.1 |  |  | 0.7 | 6.9 | 4.6 | 9.1 | 2.5 | 0.8 | 1.6 |  |  |  | 56.6 |
| General biology | 2.9 | 0.2 |  | 1.4 |  | 3.8 | 2.1 |  |  | 6.0 |  | 3.5 | 0.5 | 0.3 | 0.5 |  |  | 0.4 | 21.6 |
| Basic medical research | 2.6 | 3.4 | 2.3 | 7.6 |  | 6.6 |  |  |  | 6.0 | 2.2 | 1.8 | 0.0 |  | 1.3 |  |  |  | 33.9 |
| Experimental medicine | 4.0 | 2.7 | 0.6 | 1.5 |  | 4.9 |  |  | 0.5 | 3.5 | 1.0 | 0.9 | 0.0 |  | 0.6 |  | 1.1 |  | 21.4 |
| Clinical medicine | 3.8 | 6.8 |  | 4.2 |  | 4.6 |  |  |  | 4.4 |  | 0.8 | 0.5 | 0.3 |  |  | 0.7 |  | 26.1 |
| Preventive medicine (epidemiology/early diagnosis/prevention) | 1.8 | 2.2 |  | 1.1 |  | 0.4 |  |  | 0.5 | 0.0 |  | 0.3 | 0.0 |  |  |  |  |  | 6.3 |
| Social medicine | 0.4 | 0.3 |  |  |  | 0.3 |  |  |  | 0.5 |  |  | 0.0 |  |  |  |  |  | 1.6 |
| $\frac{\text { Interdisciplinary research }}{\text { Total }}$ | 1.5 47.2 | 1.3 45.2 | 0.1 <br> 13.3 | 2.6 |  | 1.6 | 0.5 |  | 0.1 | 4.2 | 2.7 | 2.8 | 0.8 | 0.4 | 0.8 |  | 0.4 |  | 19.8 |
| Total | 47.2 | 45.2 | 13.3 | 57.1 | 1.2 | 39.3 | 11.9 | 1.6 | 7.3 | 62.2 | 38.8 | 62.1 | 18.2 | 16.9 | 11.2 | 4.4 | 2.2 | 1.4 | 441.4 |

If no appicication was submitted by the respective instituion, this is denoted byy dash. Amounts ower than CHF 0.05 million are shown as zero.
Research institutes in the ETH Domain (EMPA, EAWAG, PSI, WSL)
.
Museums, ilbraies, companies and non-profot organistations

### 2.2 Funding by group of disciplines

## Amounts in CHF millions

## Division I: Humanities and Social Sciences

## Distribution of the approved amounts <br>  <br> ■Theology and religious studies, history, classical studies, archaeology, prehistory and early history <br> - Linguistics and literature, philosophy <br> $\square$ Art studies, musicology, theatre and film studies, architecture <br> ■ Ethnology, social and human geography <br> ■ Psychology, educational studies <br> - Sociology, social work, political sciences, media and communication studies, health <br> Economics, law

|  | Number | Amount |
| :--- | ---: | ---: |
| Theology and religious studies, history, classical studies, archaeology, prehistory <br> and early history | 49 | 19.2 |
| Linguistics and literature, philosophy | 57 | 16.9 |
| Art studies, musicology, theatre and film studies, architecture | 33 | 11.9 |
| Ethnology, social and human geography | 13 | 4.5 |
| Psychology, educational studies | 69 | 22.0 |
| Sociology, social work, political sciences, media and communication studies, <br> health | 44 | 15.2 |
| Economics, law | 56 | 15.7 |
| Total | 321 | 105.4 |

The amount of funding awarded in the humanities and social sciences rose by $9 \%$ year-on-year. While approximately the same number of projects were financed, the funding awarded per project was higher. The humanities and social sciences each received around half of the funds awarded.

## Division II: Mathematics, Natural and Engineering Sciences

## Distribution of the approved amounts



|  | Number | Amount |
| :--- | ---: | ---: |
| Mathematics | 39 | 13.8 |
| Astronomy, astrophysics and space sciences | 21 | 8.5 |
| Chemistry | 66 | 28.6 |
| Physics | 96 | 41.9 |
| Engineering sciences | 111 | 31.1 |
| Environmental sciences | 41 | 11.6 |
| Earth sciences | 42 | 13.4 |
| Total | 416 | 148.9 |

The distribution of the approved amounts reflects demand in the respective groups of disciplines and remains largely unchanged year-on-year.

## Division III: Biology and Medicine

## Distribution of the approved amounts



|  | Number | Amount |
| :--- | ---: | ---: |
| Basic biological research | 98 | 56.6 |
| General biology | 44 | 21.6 |
| Basic medical research | 66 | 33.9 |
| Experimental medicine | 46 | 21.4 |
| Clinical medicine | 63 | 26.1 |
| Preventive medicine (epidemiology/early diagnosis/prevention) | 14 | 6.3 |
| Social medicine | 5 | 1.5 |
| Total | 336 | 167.4 |

The funds of division III are mainly allocated to basic biological and medical research. Changes were recorded year-on-year primarily in basic biological research ( $-4 \%$ ), experimental medicine ( $-5 \%$ ), general biology ( $+3 \%$ ) and clinical medicine ( $+3 \%$ ).

### 2.3 Grants, reductions and rejections

Amounts in CHF million


### 2.4 Number of applications and grants since 2005



Between 2005 and 2011, the number of applications in project funding rose continually (by $37 \%$ in total). Since then, the figure has been high but stable. In 2015, however, the number of applications was again $11 \%$ higher year-on-year. While the share of applications by women remains low, at $22 \%$ it again equals the previous year's figure.

| Year | Number of applications submitted |  |  | Number of applications approved |  |  | Success rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Women | Men | Total | Women | Men |  |
| 2005 | 1,758 | 15\% | 85\% | 1,065 | 13\% | 87\% | 61\% |
| 2006 | 1,753 | 19\% | 81\% | 1,149 | 16\% | 84\% | 66\% |
| 2007 | 1,825 | 18\% | 82\% | 1,165 | 15\% | 85\% | 64\% |
| 2008 | 1,867 | 20\% | 80\% | 1,227 | 17\% | 83\% | 66\% |
| 2009 | 1,902 | 20\% | 80\% | 1,083 | 16\% | 84\% | 57\% |
| 2010 | 2,273 | 19\% | 81\% | 1,180 | 17\% | 83\% | 52\% |
| 2011 | 2,407 | 21\% | 79\% | 1,224 | 17\% | 83\% | 51\% |
| 2012 | 2,221 | 20\% | 80\% | 1,206 | 17\% | 83\% | 54\% |
| 2013 | 2,257 | 22\% | 78\% | 1,208 | 19\% | 81\% | 54\% |
| 2014 | 2,249 | 22\% | 78\% | 1,165 | 19\% | 81\% | 52\% |
| 2015 | 2,486 | 22\% | 78\% | 1,117 | 21\% | 81\% | 45\% |

### 2.5 Requested and approved amounts since 2005



The demand for grants in project funding rose again.

| Year | Amount requested |  |  | Amount approved |  |  | Approval rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Women | Men | Total | Women | Men |  |
| 2005 | 585 | 14\% | 86\% | 261 | 11\% | 89\% | 45\% |
| 2006 | 603 - | 17\% | 83\% | 285 - | 15\% | 85\% | 47\% |
| 2007 | 603 | 17\% | 83\% | 298 | 14\% | 86\% | 49\% |
| 2008 | 648 | 19\% | 81\% | 352 | 16\% | 84\% | 54\% |
| 2009 | 737 - | 18\% | 82\% | 349 - | 14\% | 86\% | 47\% |
| 2010 | 851 | 18\% | 82\% | 358 | 14\% | 86\% | 42\% |
| 2011 | 878 | 20\% | 80\% | 359 | 17\% | 83\% | 41\% |
| 2012 | 867 - | 19\% | 81\% | 391 | 15\% | 85\% | 45\% |
| 2013 | 885 | 21\% | 79\% | 416 | 17\% | 83\% | 47\% |
| 2014 | 926 - | 21\% | 79\% | 427 - | 19\% | 81\% | 46\% |
| 2015 | 1,050 | 22\% | 78\% | 441 - | 21\% | 79\% | 42\% |

### 2.6 International collaborations



The project applications approved by the SNSF in 2015 included a total of 2371 planned collaborations. Most of them involved European partners (69\%), followed by partners from North America (20\%), Asia (7\%) and other countries (4\%).

## 3. Careers

The SNSF has a wide range of funding options in place to promote the careers of young researchers.

### 3.1 Funding by scheme

Amounts in CHF million

|  | 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 |  |
| Career funding schemes |  |  |  |  |  |  |  |  |  |  |  |
| Doc.CH | 142 | 72 | 70 | - | - | 47 | 28 | 19 | - |  | 9.7 |
| MD-PhD fellowships ${ }^{1}$ | 7 | 2 | 5 | - | - | 7 | 2 | 5 | - |  | 1.3 |
| Doc.Mobility | 310 | 147 | 163 | 5 | 14 | 165 | 77 | 88 | 2 | 8 | 8.2 |
| Early Postdoc.Mobility | 715 | 271 | 444 | - | - | 404 | 160 | 244 | - | - | 33.1 |
| Advanced Postdoc.Mobility ${ }^{2}$ | 311 | 121 | 190 | 8 | 11 | 150 | 59 | 91 | 2 | 4 | 17.4 |
| Marie Heim-Vögtlin grants (MHV) | 140 | 140 | - | 9 | - | 39 | 39 | - | 6 | - | 8.7 |
| Ambizione | 360 | 120 | 240 | 5 | - | 67 | 23 | 44 | 5 | - | 34.8 |
| Ambizione Energy ${ }^{3}$ | 30 | 4 | 26 | - | - | 4 | 1 | 3 | - |  | 2.8 |
| SNSF professorships | 254 | 88 | 166 | 12 | 20 | 40 | 14 | 26 | 10 | 18 | 74.4 |
| Assistant Professor (AP) Energy grants ${ }^{3}$ | 17 | 3 | 14 | - | - | 7 | 2 | 5 | - | - | 7.6 |
| Measures for promoting careers |  |  |  |  |  |  |  |  |  |  |  |
| Graduate courses | 3 | - | 3 | - | - | 3 | - | 3 | - | - | 0.1 |
| International short visits | 152 | 52 | 100 | - | - | 130 | 48 | 82 | - | - | 1.0 |
| Research semesters ${ }^{4}$ | 1 | - | 1 | - | - | 1 | - | 1 | - | - | 0.1 |
| Mobility grants for doctoral students ${ }^{5}$ | (60) | (28) | (32) | - | - | (60) | (28) | (32) | - | - | (0.8) |
| 120\% support grants ${ }^{5}$ | (28) | (21) | (7) | - |  | (26) | (20) | (6) | - | - | (0.4) |
| Total | 2,442 | 1,020 | 1,422 | 39 | 45 | 1,064 | 453 | 611 | 25 | 30 | 199.0 |

${ }^{1}$ The national MD-PhD programme is managed by the SAMS. The SNSF supports 7 candidates per year.
${ }^{2}$ Without 81 applications for return grants ( 37 women; 44 men) and 30 approved return grants ( 11 women; 19 men). Amount approved: CHF 2.2 million
${ }^{3}$ Special schemes in connection with the Federal Council's Dispatch on the "Coordinated Swiss Energy Research Action Plan - Measures for the Years 2013-2016"
Research semesters for departing members of the National Research Council
${ }^{5}$ Mobility grants, " $120 \%$ support grants" and gender equality grants are supplementary grants in projects and are therefore not treated as separate applications. Hence they are not accounted for in the total number of applications

The demand for career funding remained high but stable. The number of applications rose by $3 \%$ in total. This increase is attributable to the postdoc mobility fellowships (Early and Advanced Postdoc.Mobility), Doc.CH and, in particular, Ambizione. All in all, the amount of awarded funding was 5\% higher than in the previous year.

### 3.1.1 Careers

Funding by scheme and research area
Amounts in CHF million

|  | Number of applications submitted |  |  |  | Number of applications approved |  |  |  | Success rate ${ }^{1}$ |  |  | Amount |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | posals men | Men | Follow-up applications <br> Women Men |  | proposals Women | Men | Follow-up applications <br> Women Men | Total | Women | Men | Total |
| Career funding schemes |  |  |  |  |  |  |  |  |  |  |  |  |
| Doc.CH | 142 | 72 | 70 | - | ${ }^{47}$ | 28 | 19 | - | 33\% | 39\% | 27\% | 9.7 |
| Humanities and social sciences | 142 | 72 | 70 | - - | 47 | 28 | 19 | - | 33\% | 39\% | 27\% | 9.7 |
| MD-PhD fellowships ${ }^{2}$ | 7 | 2 | 5 | - |  | 2 | 5 | - | 100\% | 100\% | 100\% | 1.3 |
| Biology and medicicie | 7 | 2 | 5 | - |  | 2 | 5 | - | 100\% | 100\% | 100\% | 1.3 |
| Doc.Mobility | 310 | 147 | 163 | 14 | 164 | 77 | 87 | 28 | 53\% | 52\% | 53\% | 8.2 |
| Humanities and social sciences | 264 | 129 | 135 | 11 | 136 | 65 | 71 | 5 | 52\% | 50\% | 53\% | 6.9 |
| Mathematics, natural and engineering sciences | 25 | 7 | 18 | 2 | 16 | 5 | 11 | 2 | 64\% | 71\% | 61\% | 0.8 |
| Biology and medicine | 21 | 11 | 10 | 1 | 12 | 7 | 5 | - 1 | 57\% | 64\% | 50\% | 0.6 |
| Early Postdoc.Mobility | 715 | 271 | 444 | $-$ | 404 | 160 | 244 | $-$ | 57\% | 59\% | 55\% | 33.1 |
| Humanities and social sciences | 197 | 109 | 88 | - | 111 | 65 | 46 | - | 56\% | 60\% | 52\% | 8.9 |
| Mathematics, natural and engineering sciences | 252 | 49 | 203 | - | 146 | 27 | 119 | - | 58\% | 55\% | 59\% | 11.9 |
| Biology and medicine | 266 | 113 | 153 | - | 147 | 68 | 79 | - | 55\% | 60\% | 52\% | 12.2 |
| Advanced Postdoc.Mobility ${ }^{3}$ | 311 | 121 | 190 | 11 | 150 | 59 | 91 | $2 \quad 4$ | 48\% | 49\% | 48\% | 17.4 |
| Humanities and social sciences | 99 | 47 | 52 | $5 \quad 2$ | 44 | 20 | 24 | $2 \quad 1$ | 44\% | 43\% | 46\% | 5.7 |
| Mathematics, natural and engineering sciences | 78 | 17 | 61 | ${ }^{4}$ | 39 | 10 | 29 | - 1 | 50\% | 59\% | 48\% | 3.9 |
| Biology and medicine | 134 | 57 | 77 | $3 \quad 5$ | 67 | 29 | 38 | 2 | 50\% | 51\% | 49\% | 7.7 |
| Marie Heim-Vögtlin programme (MHV) | 140 | 140 |  | 9 | 39 | 39 |  | 6 | 28\% | 28\% |  | 8.7 |
| Humanities and social sciences | 58 | 58 |  | 6 | 14 | 14 |  | 3 | 24\% | 24\% |  | 2.8 |
| Mathematics, natural and engineering sciences | 27 | 27 |  | 2 |  | 8 | - | 2 | 30\% | 30\% |  | 1.9 |
| Biology and medicine | 55 | 55 |  | 1 | 17 | 17 |  | 1 | 31\% | 31\% |  | 4.0 |
| Ambizione | 360 | 120 | 240 | 5 | 67 | 23 | 44 | 5 | 19\% | 19\% | 18\% | 34.8 |
| Humanities and social sciences | 87 | 43 | 44 | 3 | 15 | 7 | 8 | 3 | 17\% | 16\% | 18\% | 7.4 |
| Mathematics, natural and engineering sciences | 163 | 36 | 127 | - | 28 | 8 | 20 | - | 17\% | 22\% | 16\% | 12.8 |
| Biology and medicine | 110 | 41 | 69 | 2 | 24 | 8 | 16 | 2 | 22\% | 20\% | 23\% | 14.5 |
| Ambizione Energy ${ }^{4}$ | 30 | 4 | 26 | - | 4 | 1 | 3 | - | 13\% | 25\% | 12\% | 2.8 |
| Humanities and social sciences | 2 | - | 2 | - |  | - |  | - | 0\% |  | 0\% |  |
| Mathematics, natural and engineering sciences | 28 | 4 | 24 | - |  | 1 | 3 | - | 14\% | 25\% | 13\% | 2.8 |
| Biology and medicine |  | - |  | - |  | - |  |  |  | - |  |  |
| SNSF professorships | 254 | 88 | 166 | $12 \quad 20$ | 40 | 14 | 26 | $10 \quad 18$ | 16\% | 16\% | 16\% | 74.4 |
| Humanities and social sciences | 81 | 40 | 41 | 5 | 14 | 4 | 10 | 5 | 17\% | 10\% | 24\% | 22.9 |
| Mathematics, natural and engineering sciences | 85 | 16 | 69 | $1 \quad 5$ | 13 | 4 | 9 | 5 | 15\% | 25\% | 13\% | 23.7 |
| Biology and medicine | 88 | 32 | 56 | 10 | 13 | 6 | 7 | 8 | 15\% | 19\% | 13\% | 27.8 |
| Assistant Professor (AP) Energy Grants ${ }^{4}$ | 17 | 3 | 14 |  |  | 2 | 5 | - | 41\% | 67\% | 36\% | 7.6 |
| Humanities and social sciences | 1 | - |  |  |  | - | 1 | - | 100\% |  | 100\% | 1.2 |
| Mathematics, natural and engineering sciences | 16 | 3 | 13 | - |  | 2 | 4 | - | 38\% | 67\% | $31 \%$ | 6.4 |
| Biology and medicine | - | - |  | - |  | - |  | - | - | - |  |  |
| Measures for promoting careers |  |  |  |  |  |  |  |  |  |  |  |  |
| Graduate courses | 3 |  |  | - |  | - | 3 | - | 100\% | . | 100\% | 0.1 |
| Humanities and social sciences | 3 | - | 3 | - |  | - | , | - | 100\% | - | 100\% | 0.1 |
| International short visits | 152 | 52 | 100 |  | 130 | 48 | 82 | - | 86\% | 92\% | 82\% | 1.0 |
| Humanities and social sciences | 65 | 25 | 40 |  | 54 | 23 | 31 | - | 83\% | 92\% | 78\% | 0.4 |
| Mathematics, natural and engineering sciences | 50 | 10 | 40 | - | 41 | 8 | 33 | - | 82\% | 80\% | 83\% | 0.3 |
| Biology and medicine | 37 | 17 | 20 |  | 35 | 17 | 18 | - | 95\% | 100\% | 90\% | 0.3 |
| Research semesters ${ }^{5}$ | 1 | - | 1 | - | 1 | - | 1 | - | 100\% | - | 100\% | 0.1 |
| Mobility grants ${ }^{6}$ | (60) | (28) | (32) | - | (44) | (21) | (23) | - | 73\% | 75\% | 72\% | (0.5) |
| 120\% support grants ${ }^{6}$ | (28) | (21) | (7) |  | (12) | (7) | (5) |  | 43\% | 33\% | 71\% | (0.3) |
| Total | 2,442 | ,020 | 1,422 | $39 \quad 45$ | 1,063 | 453 | 610 | $25 \quad 30$ | 44\% | 44\% | 43\% | 199.0 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Special schemes in connection with the Federal Councirs Dispal | dinated Sw | Research | n Pan - N | asures for the Years 2013-2016" |  |  |  |  |  |  |  |  |
| ${ }^{\text {RResearch }}$ semesters fordepenating members of the Research council |  |  |  |  |  |  |  |  |  |  |  |  |
| 'Mobility grants are supplementary grants and are therefore not | appl | the |  | the total number of fopilicatio |  | e approved |  |  |  |  |  |  |

### 3.1.2 Carreers - Funding by scheme and institution ${ }^{1}$

Amounts in CHF million

|  | Berne | Basel | Fribourg | Geneva | Universities |  | Neuchâtel | St. Gallen | $\begin{gathered} \text { Ticino } \\ \text { (USI) } \end{gathered}$ | Zurich | ETH Domain |  |  | Various ${ }^{3}$ | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Lucerne | Lausanne |  |  |  |  | EPF Lausanne | ETH Zurich | Research institutes ${ }^{2}$ |  |  |
| Number of applications approved ${ }^{4}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Doc.CH | 6 | 6 | 2 | 4 | - | 4 | 2 | 1 | - | 15 |  | 2 |  | 5 | 47 |
| MD-PhD fellowships | - | - | - | - |  | - | - |  |  | - |  | - |  | 7 | 7 |
| Marie Heim-Vögtin programme (MHV) | 3 | 11 | - | 7 |  | 4 | - | - |  | 4 | 4 | 4 | 1 | 1 | 39 |
| Ambizione | 5 | 6 | 1 | 11 | - | 6 | 1 |  | 1 | 10 | 6 | 15 | 1 | 4 | 67 |
| Ambizone Energy ${ }^{5}$ | - | - | - | - | - | - | - | - | - |  | 1 | 2 | 1 |  | 4 |
| SNSF professorships | 4 | 3 | 2 | 8 |  | 5 | 1 |  | 1 | 10 | 1 | 3 | - | 2 | 40 |
| Assistant Professor (AP) Energy grants ${ }^{5}$ | - | - | - | 1 | - | - | - | - | - | 1 | 3 | 2 | - | - | 7 |
| Graduate courses | - | - | - | - | - | - | - | 2 |  | 1 | - | - | - |  | 3 |
| International short visits | - | - | - | - | - | - | - | - |  | - | - | - |  | 130 | 130 |
| Research semesters | - | - | - | - |  |  | 1 |  |  | - | - | - | - |  | 1 |
| Total | 18 | 26 | 5 | 31 | 0 | 19 | 5 | 3 | 2 | 41 | 15 | 28 | 3 | 149 | 345 |

## Amounts approved ${ }^{6}$



MD-PhD fellowships
Marie Heim-Vögtlin programme (MHV)
Ambizione
Ambizone Energy
Ambizone Energy
Assistant Professor
Assistant Professor (AP) Energy grants
Graduate courses
Internation hort visits
Research semesters

## Tota

| 1.3 | 1.1 | 0.6 | 1.0 |  | 1.0 | 0.4 | 0.2 | 0.0 | 2.7 |  | 0.5 |  | 0.8 | 9.7 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | - |  | - | - | - | - |  |  |  | 1.3 | 1.3 |
| 0.8 | 2.1 |  | 1.4 |  | 1.0 | 0.0 |  |  | 1.0 | 1.0 | 0.9 | 0.2 | 0.3 | 8.7 |
| 2.5 | 3.6 | 0.4 | 5.4 | - | 3.2 | 0.5 | - | 0.5 | 5.8 | 2.6 | 7.7 | 0.5 | 2.1 | 34.8 |
|  |  |  |  |  |  |  |  |  |  | 0.6 | 1.3 | 0.9 |  | 2.8 |
| 9.7 | 7.1 | 3.6 | 13.1 | 0.6 | 7.4 | 1.6 | 0.0 | 1.5 | 17.8 | 1.7 | 7.2 |  | 3.3 | 74.4 |
|  |  |  | 1.2 |  |  | - |  |  | 1.2 | 2.9 | 2.4 |  |  | 7.6 |
|  | - | - | - | - | - | - | 0.0 | - | 0.0 | - | - |  |  | 0.1 |
|  | - | - | - |  |  | - | - |  |  | - |  |  | 1.0 | 1.0 |
|  |  |  |  | - |  | 0.1 |  |  |  |  | - | - |  | 0.1 |
| 14.2 | 13.9 | 4.7 | 22.1 | 0.6 | 12.6 | 2.5 | 0.3 | 2.0 | 28.5 | 8.8 | 20.0 | 1.6 | 8.7 | $\underline{140.4}$ |

Without Doc.Mobility/Eariy/Advanced Postdoc.Mobility since these cannot be allocated to the individual higher education institutions. If no application was submitted by the respective institution, this is denoted by a dash. Amounts lower than CHF 0.05 million are shown as zero.
Research institutes in the ETH Domain (EMPA, EAWAG, PSI, WSL)
Universities of applied sciences, Universities of teacher education, Hospitals, ohter research institutes, companies/private sector, non-profit organisations and not assignable to an institution
ncludes only new submissions
Special schemes in the context of the Dispatch on the "Coordinated Swiss Energy Research Action Plan - Measures for the Years 2013-2016"
Includes new applications and follow-up applications

### 3.2 Funding by research area

## Amounts in CHF million

## Distribution of the approved amounts



|  | Amount |
| :--- | ---: |
| Humanities and social sciences | 66.1 |
| Mathematics, natural and engineering sciences | 64.6 |
| Biology and medicine | 68.3 |
| Total | $\mathbf{1 9 9 . 0}$ |

## 4. Programmes

Programmes are funding schemes with pre-defined thematic, conceptual and organisational parameters. They are either suggested by researchers or their home institutions, or established by political actors.

### 4.1 Funding by scheme

Amounts in CHF million

|  | Number | Amount |
| :---: | :---: | :---: |
| National Research Programmes (NRPs) | 7 | 4.5 |
| National Centres of Competence in Research (NCCRs) ${ }^{1}$ | 330 | 75.0 |
| Sinergia | 42 | 64.5 |
| International programmes | 150 | 29.8 |
| Multilateral collaboration | 2 | 0.2 |
| Swiss Programme for Research on Global Issues for Development (r4d programme) | 20 | 6.2 |
| SCOPES | 53 | 5.2 |
| ERA-NET | 17 | 4.4 |
| Bilateral Programmes | 58 | 13.9 |
| Scientific and Technological Cooperation Programme SwitzerlandRussia | 25 | 5.9 |
| Scientific and Technological Cooperation between Switzerland and Rio de Janeiro (STCPSRJ) | 12 | 3.0 |
| Sino-Swiss Science and Technology Cooperation | 9 | 2.1 |
| Korean-Swiss Science and Technology Programme | 12 | 2.9 |
| precoR | 6 | 2.1 |
| Spezialprogramme Universitäre Medizin (Longitudinalstudien) ${ }^{2}$ | - | 26.5 |
| Doctoral programmes (ProDoc) ${ }^{2}$ | - | 1.3 |
| Total | 535 | 203.6 |

${ }^{1}$ Sub-projects
${ }^{2}$ Additional personnel costs and supplementary grants

### 4.2 National Research Programmes

## Amounts in CHF million

The National Research Programmes (NRPs) study problems of societal, political and economic importance for Switzerland. The topics are prescribed by the Federal Council.

|  | $\begin{array}{r} \text { Approved } \\ \text { amount } 2015^{1} \end{array}$ | Overall budget | Overall amount approved up to $2015^{2}$ | Duration |
| :---: | :---: | :---: | :---: | :---: |
| Current NRPs |  |  |  |  |
| NRP 60 Gender Equality | 0.0 | 8.0 | 7.4 | 2010-2015 |
| NRP 63 Stem Cells and Regenerative Medicine | 0.2 | 10.0 | 9.2 | 2010-2014 |
| NRP 64 Opportunities and Risks of Nanomaterials | 0.1 | 12.0 | 10.9 | 2010-2015 |
| NRP 66 Resource Wood | 0.3 | 18.0 | 16.6 | 2012-2017 |
| NRP 67 End of Life | 0.3 | 15.0 | 12.3 | 2012-2018 |
| NRP 68 Sustainable Use of Soil as a Resource | 2.0 | 13.0 | 11.3 | 2013-2017 |
| NRP 69 Healthy Nutrition and Sustainable Food Production | 0.2 | 13.0 | 7.7 | 2013-2017 |
| NRP 70 Energy Turnaround | 0.3 | 37.0 | 30.4 | 2013-2018 |
| NRP 71 Managing Energy Consumption | 0.3 | 8.0 | 6.1 | 2013-2018 |
| Joint Programming Initiative on Agriculture, Food Security and Climate Change (FACCE-JPI) | 0.8 | 4.0 | 3.8 | 2013-2017 |
| New NRPs |  |  |  |  |
| NRP 72 Antimicrobial Resistance | - | 20.0 | - | 2017-2021 |
| NRP 74 Smarter Health Care | - | 20.0 | - | 2017-2021 |
| NRP 75 Big data | - | 25.0 | - | 2017-2021 |
| Total | 4.5 | 203.0 | 115.7 |  |

${ }^{1}$ Excluding grants for formally terminated programmes
${ }^{2}$ These amounts do not take account of repayments, third-party funds, etc.

In June 2015, the Federal Council launched three new National Research Programmes: NRP 72 "Antimicrobial Resistance", NRP 74 "Smart Health Care" and NRP 75 "Big Data". The call for proposals was issued in autumn 2015. The pre-proposals and proposals will be examined and evaluated in 2016. The three NRPs are expected to make important contributions to data management and the health care system. They will run for five years with a total budget CHF 65 million.

### 4.2.1 National Research Programmes - Research grants ${ }^{1}$ by research area and institution ${ }^{2}$

Amounts in CHF million

|  |  | Humanities and social sciences | Mathematics, natural and engineering sciences | Biology and medicine | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Universities |  | 0.3 | - | 0.9 | 1.3 |
|  | Berne | 0.2 | - | 0.0 | 0.3 |
|  | Basel | - | - | 0.0 | 0.0 |
|  | Fribourg | 0.0 | - | - | 0.0 |
|  | Geneva | - | - | - | - |
|  | Lucerne | - | - | - | - |
|  | Lausanne | - | - | 0.2 | 0.2 |
|  | Neuchâtel | 0.1 | - | 0.6 | 0.6 |
|  | St. Gallen | - | - | - | - |
|  | Ticino (USI) | - | - | - | - |
|  | Zurich | 0.0 |  | 0.1 | 0.1 |
| ETH Domain |  | 0.3 | 0.5 | 0.1 | 0.9 |
|  | EPF Lausanne | - | 0.2 | - | 0.2 |
|  | ETH Zurich | 0.1 | 0.3 | 0.0 | 0.4 |
|  | Research institutes ${ }^{3}$ | 0.2 | 0.1 | 0.1 | 0.3 |
| Universities of applied sciences ${ }^{4}$ |  | - | 0.1 | - | 0.1 |
| Various ${ }^{5}$ |  | 0.1 | 0.3 | 1.1 | 1.5 |
| Total |  | 0.7 | 0.9 | 2.1 | 3.8 |

${ }^{1}$ Without implementation mandates
${ }^{2}$ If no application was submitted by the respective institution, this is denoted by a dash. Amounts lower than CHF 0.05 million are shown as zero.
${ }^{3}$ Research institutes in the ETH Domain (EMPA, EAWAG, PSI, WSL)
${ }^{4}$ Including universities of teacher education
${ }^{5}$ Research centres, companies and non-profit organisations

### 4.3 National Centres of Competence in Research (NCCR)

Amounts in CHF million

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.

| 2005 series | $\begin{aligned} & \text { Contribution } \\ & \text { SNSF } 2015^{1} \end{aligned}$ | Contribution SNSF for 12 years | Total budget for 12 years | Start | Home institution |
| :---: | :---: | :---: | :---: | :---: | :---: |
| NCCR Affective Sciences: Emotions in Individual Behaviour and Social Processes | 1.7 | 28.1 | 92.0 | 2005 | University of Geneva |
| NCCR Democracy: Challenges to Democracy in the 21st Century | 1.3 | 20.1 | 45.0 | 2005 | University of Zurich |
| NCCR Iconic Criticism: Power and Importance of Pictures (Eikones) | 1.2 | 19.9 | 49.8 | 2005 | University of Basel |
| NCCR Mediality: Historical Perspectives | 1.2 | 15.9 | 33.6 | 2005 | University of Zurich |
| NCCR Trade Regulation: International Trade Regulation - From Fragmentation to Coherence | 1.3 | 26.4 | 37.0 | 2005 | University of Berne |
| Total | 6.7 | 110.4 | 257.4 |  |  |
| 2010 series | $\begin{aligned} & \text { Contribution } \\ & \text { SNSF } 2015^{1} \end{aligned}$ | Contribution SNSF for 8 years | Total budget for 8 years | Start | Home institution |
| NCCR Chemical Biology: Visualisation and Control of Biological Processes Using Chemistry | 4.2 | 28.2 | 57.3 | 2010 | University of Geneva / ETH Zurich |
| NCCR Kidney.CH: Kidney Control of Homeostasis | 5.5 | 33.1 | 46.6 | 2010 | University of Zurich |
| NCCR LIVES: Overcoming vulnerability: life course perspectives | 4.0 | 29.2 | 79.0 | 2011 | University of Lausanne / University of Geneva |
| NCCR MUST: Molecular Ultrafast Sciences and Technology | 6.0 | 35.1 | 80.5 | 2010 | ETH Zurich / University of Berne |
| NCCR QSIT: Quantum Science and Technology | 5.6 | 37.9 | 113.2 | 2011 | ETH Zurich / University of Basel |
| NCCR Robotics: Intelligent Robots for Improving the Quality of Life | 4.4 | 28.7 | 62.1 | 2010 | EPF Lausanne / ETH Zurich |
| NCCR SYNAPSY: The synaptic bases of mental diseases | 4.7 | 35.0 | 94.7 | 2010 | EPF Lausanne / University of Lausanne / University of Geneva |
| NCCR TransCure: From transport physiology to identification of therapeutic targets | 3.1 | 25.9 | 58.8 | 2010 | University of Berne |
| Total | 37.5 | 253.1 | 592.2 |  |  |
| 2014 series | $\begin{aligned} & \text { Contribution } \\ & \text { SNSF } 2015^{1} \end{aligned}$ | Contribution SNSF for 4 years | Total budget for 4 years | Start | Home institution |
| NCCR Bio-Inspired Materials | 3.0 | 12.0 | 27.8 | 2014 | University of Fribourg |
| NCCR Digital Fabrication: Advanced Building Processes in Architecture | 3.5 | 13.4 | 25.0 | 2014 | ETH Zurich |
| NCCR MARVEL: Computational Materials - Design and Discovery | 4.4 | 18.0 | 35.9 | 2014 | EPF Lausanne |
| NCCR MSE: Molecular Systems Engineering | 4.2 | 16.9 | 28.2 | 2014 | University of Basel / ETH Zurich |
| NCCR On the Move: The Migration-Mobility Nexus | 4.3 | 17.2 | 25.4 | 2014 | University of Neuchâtel |
| NCCR PlanetS: Origin, Evolution, and Characterisaton of Planets | 4.4 | 17.6 | 34.4 | 2014 | University of Berne / University of Geneva |
| NCCR RNA \& Disease: The Role of RNA Biology in Disease Mechanisms | 4.1 | 16.7 | 39.8 | 2014 | University of Berne / ETH Zurich |
| NCCR SwissMAP: The Mathematics of Physics | 2.9 | 11.2 | 28.0 | 2014 | University of Geneva / ETH Zurich |
| Total | 30.8 | 123.0 | 244.5 |  |  |
| All NCCRs | 75.0 | 486.5 | 1,094.1 |  |  |

${ }^{1}$ Also contains contributions for management, knowledge and technology transfer, promotion of young scientists, etc.

### 4.3.1 National Centres of Competence in Research - Research grants by research area and institution (SNSF portion only) ${ }^{1}$ <br> Amounts in CHF million

|  | Humanities and social sciences | Mathematics, natural and engineering sciences | Biology and medicine | Total |
| :---: | :---: | :---: | :---: | :---: |
| Universities | 14.4 | 15.7 | 15.0 | 45.1 |
| Berne | 1.7 | 3.8 | 3.9 | 9.4 |
| Basel | 1.0 | 4.2 | 0.8 | 5.9 |
| Fribourg | 0.1 | 2.4 | 0.4 | 3.0 |
| Geneva | 2.6 | 4.4 | 3.6 | 10.6 |
| Lucerne | 0.2 | - | - | 0.2 |
| Lausanne | 3.1 | - | 1.7 | 4.8 |
| Neuchâtel | 3.3 | 0.4 | - | 3.7 |
| St. Gallen | - | - | - | - |
| Ticino (USI) | - | - | - | - |
| Zurich | 2.5 | 0.5 | 4.6 | 7.6 |
| ETH Domain | 3.4 | 17.8 | 5.3 | 26.6 |
| EPF Lausanne | 0.0 | 6.2 | 3.9 | 10.1 |
| ETH Zurich | 3.4 | 11.5 | 1.5 | 16.3 |
| Research institutes ${ }^{2}$ | - | 0.2 | - | 0.2 |
| Universities of applied sciences | 0.0 | - | - | 0.0 |
| Others ${ }^{3}$ | 0.0 | 2.1 | 1.2 | 3.2 |
| Total | 18.0 | 35.7 | 21.6 | 75.0 |

${ }^{1}$ Amounts lower than CHF 0.05 million are shown as zero.
${ }^{2}$ Research institutes in the ETH Domain (EMPA, EAWAG, PSI, WSL)
${ }^{3}$ Research centres, companies and non-profit organisations

## 5. Infrastructures

In individual cases, the SNSF provides direct funding for research infrastructures that are indispensable for research projects. This is complemented by specific funding programmes.

### 5.1 Funding by scheme

## Amounts in CHF million

Distribution of the approved amounts


|  | Number | Amount |
| :--- | ---: | ---: |
| Research infrastructures | 5 | 5.1 |
| R'Equip | 101 | 16.5 |
| FLARE | 9 | 6.4 |
| Total | 115 | 27.9 |

### 5.2 Funding by research area

Amounts in CHF million

## Distribution of the approved amounts



Amount

| Humanities and social sciences | 0.2 |
| :--- | ---: |
| Mathematics, natural and engineering sciences | 17.6 |
| Biology and medicine | 10.1 |
| Total | $\mathbf{2 7 . 9}$ |

## 6. Science communication

The SNSF promotes communication between researchers as well as between science and society.

### 6.1 Funding by scheme

## Amounts in CHF million

Distribution of the approved amounts


|  | Number |  | Amount |
| :--- | ---: | ---: | ---: |
| Agora | $\mathbf{2 5}$ | $\mathbf{1 . 7}$ |  |
| Scientific conferences | $\mathbf{2 1 2}$ | $\mathbf{1 . 4}$ |  |
| Publications | $\mathbf{1 5 4}$ | $\mathbf{1 . 8}$ |  |
| Pilot project OAPEN-CH | 54 | 0.7 |  |
| Publications | 100 | 1.1 |  |
| International exploratory workshops | $\mathbf{5 9}$ | $\mathbf{0 . 5}$ |  |
| Total | 450 | 5.4 |  |

### 6.2 Funding by research area

## Amounts in CHF million

## Distribution of the approved amounts



| Humanities and social sciences | Betrag |
| :--- | ---: |
| Mathematics, natural and engineering sciences | 4.2 |
| Biology and medicine | 0.7 |
| Total | 0.5 |

