## 2014 - Research funding in figures



TBS are not included in the statistics on pages 1-33. Figures on the Temporary Backup Schemes (TBS) can be found on pages 34-36.
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 2014. Additional grants are not treated as separate applications but are included in the approved amounts. The gender statistics refer to the share of responsible applicants. Some of the total amounts may contain rounding differences.

## Statistics 2014 - Full version

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## 1. Overview in funding

### 1.1 Funding by research area

## Amounts in CHF million

## Distribution of the approved amounts



|  | Amount | Women | Men |
| :--- | ---: | ---: | ---: | ---: |
| Humanities and social sciences | 213.5 | $36 \%$ | $64 \%$ |
| Mathematics, natural and engineering sciences | 322.1 | $13 \%$ | $87 \%$ |
| Biology and medicine | 312.7 | $21 \%$ | $79 \%$ |
| Unapportionable | 0.2 |  |  |
| Total | 848.5 | $22 \%$ | $78 \%$ |

Compared to the previous year, the share of mathematics, natural and engineering sciences rose by five percent. It is thus higher than the share of biology and medicine for the first time in years. The main reason for this lies in the launch of the new National Research Programme "Energy Turnaround" and the new series of National Centres of Competence in Research.

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



| Projects | Number | Amount |
| :--- | ---: | ---: |
| Careers | 1,165 | 426.8 |
| Programmes | 1,111 | 189.4 |
| Infrastructures | 685 | 197.5 |
| Science communication | 72 | 27.4 |
| Total | 436 | 7.4 |

In 2014, the SNSF allocated approximately half of its total budget to its main funding scheme, project funding.
Compared to the previous year, the share of programmes was four percent higher due to, in particular, the new series of National Centres of Competence in Research and the newly launched National Research Programme "Energy Turnaround".

## Funding by scheme (in percent)

|  | Approved amount |  |  |
| :--- | ---: | ---: | ---: |
|  | Percent | Women | Men |
| Projects | $50 \%$ | $19 \%$ | $81 \%$ |
| Careers | $23 \%$ | $41 \%$ | $59 \%$ |
| Programmes | $23 \%$ | $12 \%$ | $88 \%$ |
| Infrastructures | $3 \%$ | $6 \%$ | $94 \%$ |
| Science communication | $1 \%$ | $38 \%$ | $62 \%$ |
| Total | $100 \%$ | $22 \%$ | $78 \%$ |

### 1.3 Funding by institution and research area

 Amounts in CHF millionDistribution of the approved amounts (incl. overhead) ${ }^{\mathbf{1}}$


[^0]${ }^{2}$ Research institutes in the ETH Domain (EMPA, EAWAG, PSI, WSL)
${ }^{3}$ Universities of applied sciences
Without universities of teacher education of FHNW and ZFH
New category since 2014; SIAF, AORI, BITG, EHB, Agroscope, FiBL, IRO, FMI, IDIAP, IHEID, IST, IUKB, PMOD, FORS, SPF, SIK-ISEA, CSEM, SIB and other institutes
${ }^{6}$ Museums, libraries, individuals, companies, non-profit organisations and not assignable to an institution (e.g. Doc.Mobility, Early/Advanced Postdoc.Mobility)

### 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 |  | 2011 | 2012 | 2013 | 2014 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Universities | 297.3 | 317.0 | 349.8 | 440.9 | 454.8 | 475.1 | 448.9 | 487.8 | 496.0 | 480.8 |
| Berne (BE) | 44.6 | 45.3 | 54.3 | 70.9 | 66.3 | 67.9 | 87.5 | 66.1 | 87.2 | 91.8 |
| Basel (BS) | 48.4 | 53.3 | 59.2 | 64.2 | 83.1 | 70.7 | 65.9 | 70.7 | 76.6 | 60.7 |
| Fribourg (FR) | 17.3 | 16.0 | 20.2 | 21.3 | 25.8 | 31.1 | 24.0 | 25.2 | 23.9 | 41.5 |
| Geneva (GE) | 59.1 | 59.8 | 67.7 | 84.5 | 94.0 | 98.5 | 78.8 | 104.9 | 86.8 | 88.2 |
| Lucerne (LU) | 0.4 | 3.7 | 2.5 | 1.3 | 4.3 | 3.8 | 4.6 | 3.6 | 2.4 | 7.0 |
| Lausanne (LS) | 43.8 | 38.6 | 39.1 | 74.7 | 54.5 | 68.5 | 56.0 | 69.6 | 71.6 | 62.3 |
| Neuchâtel (NE) | 21.0 | 20.1 | 21.1 | 18.4 | 18.4 | 12.0 | 12.7 | 18.9 | 12.4 | 15.1 |
| St. Gallen (SG) | 5.2 | 2.9 | 4.0 | 4.3 | 5.5 | 4.5 | 6.1 | 7.1 | 2.4 | 2.0 |
| Ticino (TI) | 2.8 | 4.3 | 5.2 | 5.2 | 5.7 | 9.0 | 8.0 | 5.5 | 6.5 | 10.6 |
| Zurich (ZH) | 54.7 | 73.0 | 76.5 | 96.1 | 97.2 | 109.1 | 105.3 | 116.2 | 126.1 | 101.8 |
| ETH Domain | 113.3 | 124.2 | 128.3 | 174.6 | 187.2 | 188.3 | 189.5 | 196.9 | 188.2 | 237.0 |
| EPF Lausanne (LS) | 36.9 | 47.7 | 48.9 | 73.9 | 64.1 | 71.2 | 72.2 | 71.2 | 73.6 | 75.0 |
| ETH Zurich (ZH) | 65.5 | 69.6 | 69.7 | 82.9 | 98.8 | 94.0 | 93.3 | 101.3 | 92.7 | 126.8 |
| Research institutes ${ }^{2}$ | 10.9 | 6.9 | 9.7 | 17.8 | 24.3 | 23.1 | 24.0 | 24.4 | 21.9 | 35.2 |
| Universities of applied sciences | 7.6 | 7.2 | 8.1 | 9.0 | 12.4 | 12.2 | 19.4 | 17.5 | 19.4 | 27.3 |
| Zürcher Fachhochschule (ZFH) | 1.6 | 2.0 | 0.9 | 2.9 | 3.0 | 2.9 | 2.8 | 5.1 | 3.6 | 8.6 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| Kalaidos University of Applied Sciences Switzerland | - | - | 0.2 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | - | - |
| 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 |
| Hospitals (independent of higher education inst.) | - | - | - | - | - | - | - | - | - | 1.0 |
| Other research institutes ${ }^{4}$ | - | - | - | - | - | - | - | - | - | 20.6 |
| Others ${ }^{5}$ | 47.7 | 42.0 | 44.3 | 37.0 | 51.5 | 49.1 | 53.0 | 51.8 | 113.2 | 80.6 |
| Total | 465.9 | 491.0 | 531.3 | 662.8 | 707.1 | 726.0 | 712.9 | 755.2 | 818.8 | 848.5 |

[^1]${ }^{2}$ Research institutes in the ETH Domain (EMPA, EAWAG, PSI, WSL
Without universities of teacher education of FHNW and ZFH
${ }^{4}$ New category since 2014; SIAF, AORI, BITG, EHB, Agroscope, FiBL, IRO, FMI, IDIAP, IHEID, IST, IUKB, PMOD, FORS, SPF, SIK-ISEA, CSEM, SIB and other institutes
${ }^{5}$ Research centres, museums, libraries, individuals, companies, non-profit organisations and not assignable to an institution (e.g. 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

14010 researchers were involved in SNSF-funded projects in 2014. This figure consists the applicants and their staff.
All in all, the SNSF funded approximately 9200 members of personnel: 5600 via project funding, 1000 via career funding and 2600 through programmes. They comprise:

|  | Total | Women | Men |
| :--- | ---: | ---: | ---: |
| Scientists $^{1}$ | $34 \%$ | $42 \%$ | $58 \%$ |
| Personnel at doctoral level | $51 \%$ | $44 \%$ | $56 \%$ |
| Technicians, support staff | $15 \%$ | $64 \%$ | $36 \%$ |
| Total | $100 \%$ | $46 \%$ | $54 \%$ |

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

Funding for research projects primarily benefits the promotion of young scientists in Switzerland. Thus 76\% of the collaborators are 35 years old or younger.

### 1.6 Success rates

Amounts in CHF millions

|  | Success rate ${ }^{1}$ |  |  | Number of applications submitted |  |  | Number of applications approved |  |  | Approved amount |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Women | Men | Total | Women | Men | Total | Women | Men |  |
| Projects | 52\% | 46\% | 53\% | 2,249 | 491 | 1,758 | 1,165 | 226 | 939 | 426.8 |
| Humanities and social sciences | 45\% | 43\% | 46\% | 706 | 230 | 476 | 320 | 99 | 221 | 96.6 |
| Mathematics, natural and engineering sciences | 60\% | 55\% | 61\% | 784 | 102 | 682 | 470 | 56 | 414 | 147.0 |
| Biology and medicine | 50\% | 43\% | 52\% | 652 | 135 | 517 | 329 | 58 | 271 | 162.3 |
| Interdisciplinary research | 43\% | 54\% | 40\% | 107 | 24 | 83 | 46 | 13 | 33 | 20.9 |
| Careers ${ }^{2}$ |  |  |  |  |  |  |  |  |  |  |
| Doc.CH | 34\% | 34\% | 34\% | 121 | 68 | 53 | 41 | 23 | 18 | 7.4 |
| Doc. Mobility | 60\% | 60\% | 60\% | 338 | 166 | 172 | 202 | 99 | 103 | 9.9 |
| Early Postdoc.Mobility | 55\% | 55\% | 55\% | 643 | 242 | 401 | 353 | 134 | 219 | 28.1 |
| Advanced Postdoc.Mobility | 49\% | 47\% | 49\% | 301 | 108 | 193 | 146 | 51 | 95 | 16.5 |
| Marie Heim-Vögtlin grants (MHV) | 24\% | 24\% |  | 152 | 152 |  | 36 | 36 |  | 7.8 |
| Ambizione | 20\% | 21\% | 20\% | 294 | 90 | 204 | 60 | 19 | 41 | 32.1 |
| SNSF professorships | 15\% | 20\% | 13\% | 259 | 89 | 170 | 40 | 18 | 22 | 77.5 |
| Programmes |  |  |  |  |  |  |  |  |  |  |
| National Research Programmes ${ }^{3}$ | 29\% | 28\% | 29\% | 361 | 40 | 321 | 103 | 11 | 92 | 36.0 |
| Sinergia | 39\% | 27\% | 41\% | 89 | 11 | 78 | 35 | 3 | 32 | 54.5 |
| SCOPES | 26\% | 25\% | 26\% | 394 | 73 | 321 | 103 | 18 | 85 | 11.7 |
| r4d programme ${ }^{4}$ | 13\% | 14\% | 13\% | 62 | 7 | 55 | 8 | 1 | 7 | 13.5 |
| Infrastructures | 62\% | 30\% | 65\% | 116 | 10 | 106 | 72 | 3 | 69 | 27.4 |
| Science communication | 85\% | 88\% | 83\% | 515 | 202 | 313 | 436 | 177 | 259 | 7.4 |

cience communication
Satio of the number of applications approved to the number of aplor
Sucess rates without follow-up application
Based on pre-proposals for NRP 70 and 71
Based on pre-proposals for the thematic modules Ecosystems and Food Security
The 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 exine the differences and attempts to identify the determining factors.

| Submitted applications by gender |  |  |
| :--- | ---: | ---: |
|  | Women | Men |
| Doc.CH | $56 \%$ | $44 \%$ |
| Doc.Mobility | $49 \%$ | $51 \%$ |
| Early Postdoc.Mobility | $38 \%$ | $62 \%$ |
| Advanced Postdoc.Mobility | $36 \%$ | $64 \%$ |
| Marie Heim-Vögtlin grants (MHV) | $100 \%$ | $0 \%$ |
| Ambizione | $31 \%$ | $69 \%$ |
| SNSF professorships | $34 \%$ | $66 \%$ |
| 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
- Mathematics, natural and engineering sciences
- Biology and medicine
- Interdisciplinary research

|  | Amount |
| :--- | ---: |
| Humanities and social sciences | 96.6 |
| Mathematics, natural and engineering sciences | 147.0 |
| Biology and medicine | 162.3 |
| Interdisciplinary research | 20.9 |
| Total | 426.8 |

### 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 | 706 | 230 | 476 | 320 | 99 | 221 | 96.6 | 33\% | 67\% |
| Theology \& religious studies, history, classical studies, archaeology, prehistory and early history | 93 | 28 | 65 | 56 | 17 | 39 | 16.3 | 31\% | 69\% |
| Linguistics and literature, philosophy | 102 | 28 | 74 | 50 | 13 | 37 | 18.4 | 33\% | 67\% |
| Art studies, musicology, theatre and film studies, architecture | 77 | 19 | 58 | 40 | 11 | 29 | 12.9 | 30\% | 70\% |
| Ethnology, social and human geography | 36 | 14 | 22 | 16 | 7 | 9 | 6.0 | 42\% | 58\% |
| Psychology, educational studies | 139 | 59 | 80 | 59 | 23 | 36 | 16.0 | 42\% | 58\% |
| Sociology, social work, political sciences, media and communication studies, health | 122 | 47 | 75 | 50 | 17 | 33 | 14.3 | 36\% | 64\% |
| Economics, law | 137 | 35 | 102 | 49 | 11 | 38 | 12.8 | 17\% | 83\% |
| Mathematics, natural and engineering sciences | 784 | 102 | 682 | 470 | 56 | 414 | 147.0 | 10\% | 90\% |
| Mathematics | 63 | 8 | 55 | 49 | 5 | 44 | 14.7 | 6\% | 94\% |
| Astronomy, astrophysics and space sciences | 25 | 3 | 22 | 19 | 2 | 17 | 8.7 | 8\% | 92\% |
| Chemistry | 104 | 13 | 91 | 64 | 7 | 57 | 23.1 | 11\% | 89\% |
| Physics | 149 | 15 | 134 | 105 | 9 | 96 | 39.4 | 9\% | 91\% |
| Engineering sciences | 290 | 34 | 256 | 143 | 18 | 125 | 36.4 | 13\% | 87\% |
| Environmental sciences | 85 | 17 | 68 | 49 | 10 | 39 | 12.1 | 14\% | 86\% |
| Earth sciences | 68 | 12 | 56 | 41 | 5 | 36 | 12.4 | 11\% | 89\% |
| Biology and medicine | 652 | 135 | 517 | 329 | 58 | 271 | 162.3 | 17\% | 83\% |
| Basic biological research | 172 | 32 | 140 | 109 | 18 | 91 | 61.1 | 17\% | 83\% |
| General biology | 57 | 10 | 47 | 34 | 5 | 29 | 17.0 | 8\% | 92\% |
| Basic medical research | 133 | 29 | 104 | 62 | 12 | 50 | 31.1 | 20\% | 80\% |
| Experimental medicine | 118 | 34 | 84 | 64 | 18 | 46 | 29.8 | 27\% | 73\% |
| Clinical medicine | 139 | 22 | 117 | 50 | 3 | 47 | 19.4 | 6\% | 94\% |
| Preventive medicine (epidemiology/early diagnosis/prevention) | 27 | 6 | 21 | 9 | 1 | 8 |  | 5\% | 95\% |
| Social medicine | 6 | 2 | 4 | 1 | 1 | 0 | 0.4 | 98\% | 2\% |
| Interdisciplinary research | 107 | 24 | 83 | 46 | 13 | 33 | 20.9 | 28\% | 72\% |
| Total | 2'249 | 491 | 1'758 | 1'165 | 226 | 939 | 426.8 | 19\% | 81\% |

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

Amounts in CHF million

|  |  |  |  |  | Univ | versities |  |  |  |  |  | Domain |  | niversities |  | niversities | Hospitals | Others ${ }^{3}$ | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Berne | Basel | Fribourg | Geneva | Lucerne | Lausanne | Neuchâtel | St. Gallen | Ticino (USI) | Zurich | $\begin{array}{r} \text { EPF } \\ \text { Lausanne } \end{array}$ | $\begin{gathered} \text { ETH } \\ \text { Zurich } \end{gathered}$ | Research institutes | of applied sciences | research institutes ${ }^{3}$ | of teacher education | $\begin{gathered} \text { (nnt } \\ \text { higher educ. } \\ \text { Inst.) } \end{gathered}$ |  |  |
| Humanities and social sciences | 11.6 | 8.2 | 8.3 | 10.5 | 2.6 | 10.4 | 3.3 | 1.0 | 2.6 | 16.7 | 0.7 | 5.3 | 0.4 | 10.1 | 1.7 | 1.8 |  | 1.4 | 96.6 |
| Theology \& religious studies, history, classical studies, archaeology, prehistory and early history | 4.0 | 2.4 | 2.5 | 1.8 | 0.8 | 1.8 | 0.0 |  |  | 2.7 |  | 0.2 |  |  | 0.2 |  |  | 0.0 | 16.3 |
| Linguistics and literature, philosophy | 4.1 | 2.4 | 1.9 | 2.0 |  | 1.2 | 1.7 |  | 0.2 | 3.8 |  | 0.4 |  | 0.7 |  |  |  |  | 18.4 |
| Art studies, musicology, theatre and film studies, architecture | 0.1 | 0.2 | 1.2 |  |  | 1.6 |  | 0.0 | 0.7 | 0.6 | 0.5 | 2.6 |  | 5.1 |  |  |  | 0.3 | 12.9 |
| Ethnology, social and human geography | 1.0 | 1.2 | 0.8 | 0.5 | 0.5 | 0.0 | 0.2 |  |  | 0.0 | 0.0 | 0.1 | 0.2 | 0.3 | 0.4 |  |  | 0.7 | 6.0 |
| Psychology, educational studies | 0.6 | 1.0 | 1.4 | 3.9 | 0.3 | 1.5 | 0.6 |  | 0.3 | 3.7 |  |  |  | 0.4 | 0.2 | 1.8 |  | 0.3 | 16.0 |
| Sociology, social work, political sciences, media and communication studies, health | 1.3 | 0.5 | 0.1 | 1.1 | 0.8 | 2.2 | 0.4 | 0.0 | 0.8 | 3.1 |  | 0.4 |  | 2.6 | 1.0 |  |  | 0.0 | 14.3 |
| Economics, law | 0.4 | 0.5 | 0.5 | 1.1 | 0.3 | 2.2 | 0.5 | 0.9 | 0.5 | 2.8 | 0.2 | 1.6 | 0.2 | 1.1 | 0.0 |  |  |  | 12.8 |
| Mathematics, natural and engineering sciences | 11.1 | 8.3 | 5.3 | 16.8 |  | 2.5 | 1.5 |  | 3.6 | 9.4 | 31.3 | 41.2 | 13.0 | 0.3 | 2.0 |  |  | 0.7 | 147.0 |
| Mathematics | 1.0 | 0.8 | 0.5 | 1.2 |  | 0.0 |  |  | 0.4 | 1.9 | 2.6 | 6.2 |  |  |  |  |  | 0.1 | 14.7 |
| Astronomy, astrophysics and space sciences | 3.7 | 0.6 |  | 2.8 |  |  |  |  |  | 0.3 | 0.2 | 0.2 |  |  | 0.9 |  |  |  | 8.7 |
| Chemistry | 1.3 | 2.1 | 1.1 | 3.4 |  |  | 0.5 |  |  | 1.2 | 6.1 | 5.4 | 1.8 |  |  |  |  | 0.1 | 23.1 |
| Physics | 1.9 | 3.4 | 1.8 | 6.7 |  |  | 0.7 |  |  | 2.6 | 9.3 | 9.1 | 3.9 |  |  |  |  | 0.0 | 39.4 |
| Engineering sciences | 1.4 | 0.7 | 0.7 | 0.6 |  | 0.4 | 0.0 |  | 2.9 | 1.9 | 11.9 | 11.8 | 2.5 | 0.3 | 0.7 |  |  | 0.4 | 36.4 |
| Environmental sciesces | 0.5 | 0.6 | 0.3 | 0.2 |  | 0.2 | 0.2 |  | 0.3 | 1.3 | 1.2 | 2.8 | 4.1 |  | 0.3 |  |  | 0.0 | 12.1 |
| Earth sciences | 1.4 | 0.0 | 0.9 | 1.8 |  | 1.9 |  |  |  | 0.3 |  | 5.6 | 0.6 |  |  |  |  |  | 12.4 |
| Biology and medicine | 22.2 | 16.3 | 5.3 | 20.1 |  | 22.6 | 2.6 |  | 1.2 | 28.9 | 12.3 | 16.9 | 3.7 | 2.4 | 6.9 |  | 0.8 | 0.0 | 162.3 |
| Basic biological research | 5.0 | 5.2 | 1.5 | 8.8 |  | 8.3 | 0.8 |  |  | 7.7 | 7.1 | 10.1 | 1.2 | 1.2 | 4.2 |  |  |  | 61.1 |
| General biology | 2.5 | 0.9 | 0.5 | 0.8 |  | 3.1 | 1.8 |  |  | 2.1 |  | 2.7 | 2.0 | 0.6 |  |  |  | 0.0 | 17.0 |
| Basic medical research | 3.7 | 5.2 | 1.8 | 2.8 |  | 2.1 |  |  |  | 9.0 | 3.4 | 1.9 |  | 0.2 | 1.1 |  |  |  | 31.1 |
| Experimental medicine | 5.4 | 2.6 | 0.9 | 4.2 |  | 5.8 |  |  | 1.2 | 4.6 | 1.3 | 2.1 | 0.4 |  | 1.2 |  |  |  | 29.8 |
| Clinical medicine | 4.5 | 2.0 | 0.6 | 3.5 |  | 2.6 |  |  |  | 4.2 | 0.6 | 0.0 |  | 0.4 | 0.1 |  | 0.8 |  | 19.4 |
| Preventive medicine (epidemiology/early diagnosis/prevention) | 1.1 | 0.5 |  |  |  | 0.6 |  |  |  | 1.3 |  |  |  |  |  |  |  |  | 3.5 |
| Social medicine | 0.0 |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.4 |  |  |  | 0.4 |
| Interdisciplinary research | 4.2 | 0.6 |  | 1.2 |  | 2.5 | 1.5 | 0.0 | 0.4 | 1.8 | 2.4 | 1.7 | 1.1 | 1.4 | 1.2 |  |  | 0.9 | 20.9 |
| Total | 49.0 | 33.5 | 18.9 | 48.7 | 2.6 | 38.0 | 8.9 | 1.0 | 7.8 | 56.8 | 46.7 | 65.1 | 18.1 | 14.2 | 11.8 | 1.8 | 0.8 | 3.0 | 426.8 |

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 zeroe
G. Ps, ws.
,
Sthers (companies/private sector, non-profit organisations and not apportionable)

### 2.2 Funding by group of disciplines

## Amounts in CHF millions

## Division I: Humanities and Social Sciences



| Theology and religious studies, history, classical studies, archaeology, <br> prehistory and early history | Number | Amount |
| :--- | ---: | ---: |
| Linguistics and literature, philosophy | 56 | 16.3 |
| Art studies, musicology, theatre and film studies, architecture | 50 | 18.4 |
| Ethnology, social and human geography | 40 | 12.9 |
| Psychology, educational studies | 16 | 6.0 |
| Sociology, social work, political sciences, media and communication <br> studies, health | 59 | 16.0 |
| Economics, law | 50 | 14.3 |
| Total | 49 | 12.8 |

The Humanities and Social Sciences division awarded project grants worth CHF 96.6 million, a higher amount than ever before. The social sciences and the humanities were each allocated approximately half of the sum.

### 2.2 Division II: Mathematics, Natural and Engineering Sciences

## Distribution of the approved amounts



|  | Number | Amount |
| :--- | ---: | ---: |
| Mathematics | 49 | 14.7 |
| Astronomy, astrophysics and space sciences | 19 | 8.7 |
| Chemistry | 64 | 23.1 |
| Physics | 105 | 39.4 |
| Engineering sciences | 143 | 36.4 |
| Environmental sciences | 49 | 12.1 |
| Earth sciences | 41 | 12.4 |
| Total | 470 | 147.0 |

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

### 2.2. Division III: Biology and Medicine

## Distribution of the approved amounts



|  | Number | Amount |
| :--- | ---: | ---: |
| Basic biological research | 109 | 61.1 |
| General biology | 34 | 17.0 |
| Basic medical research | 62 | 31.1 |
| Experimental medicine | 64 | 29.8 |
| Clinical medicine | 50 | 19.4 |
| Preventive medicine (epidemiology/early diagnosis/prevention) | 9 | 3.5 |
| Social medicine | 1 | 0.4 |
| Total | 329 | 162.3 |

The funds of division III are mainly allocated to basic biological and medical research. Fewer applications are submitted and grants approved in more practice-oriented areas such as clinical medicine or social and preventive medicine.

### 2.3 Grants, reductions and rejections

Amounts in CHF million

|  | Number | Amount | Grants R | Reductions | Rejections |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Humanities and social sciences |  |  |  |  |  |  |
| Applications submitted Requested amount | 706 |  | 45\% |  | 55\% | Number |
|  |  | 241.8 | 40\% | 6\% | 54\% |  |
| Grants | 320 | 96.6 |  |  |  |  |
| Reductions in approved applications | (214) | 14.2 |  |  |  |  |
| Rejections, withdrawals | 386 | 131.0 |  |  |  |  |
| Mathematics, natural and engineering sciences |  |  |  |  |  |  |
| Applications submitted | 784 |  |  | 60\% | 40\% | Number |
| Requested amount |  | 306.5 | 48\% | 19\% | 33\% | Amount |
| Grants | 470 | 147.0 |  |  |  |  |
| Reductions in approved applications | (363) | 58.8 |  |  |  |  |
| Rejections, withdrawals | 314 | 100.7 |  |  |  |  |
| Biology and medicine |  |  |  |  |  |  |
| Applications submitted | 652 |  |  | 50\% | 50\% | Number |
| Requested amount |  | 324.6 | 50\% | 9\% | 41\% | Amount |
| Grants | 329 | 162.3 |  |  |  |  |
| Reductions in approved applications | (188) | 29.3 |  |  |  |  |
| Rejections, withdrawals | 323 | 133.0 |  |  |  |  |
| Interdisciplinary research |  |  |  |  |  |  |
| Applications submitted Requested amount | 107 |  |  | 43\% | 57\% | Number |
|  |  | 53.1 | 40\% | 7\% | 53\% |  |
| Grants | 46 | 20.9 |  |  |  |  |
| Reductions in approved applications | (25) | 3.8 |  |  |  |  |
| Rejections, withdrawals | 61 | 28.4 |  |  |  |  |
| Total |  |  |  |  |  |  |
| Applications submitted | 2249 |  |  | 52\% | 48\% | Number |
| Requested amount |  | 926.0 | 46\% | 12\% | 42\% |  |
| Grants | 1165 | 426.8 |  |  |  |  |
| Reductions in approved applications | (790) | 106.2 |  |  |  |  |
| Rejections, withdrawals | 1084 | 393.0 |  |  |  |  |

### 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 number of applications has been high but stable. While the share of applications by women remains low, at $22 \%$ it equals the previous year's figure, the highest since 2005.

| 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\% |

### 2.5 Requested and approved amounts since 2005



The demand for grants in project funding rose again after going through a phase of stability.

| Year | Amount requested |  |  | Amount approved |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 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\% |

### 2.6 Number of international collaborations



The projects approved by the SNSF in 2014 involved a total of 2574 collaborations. On average, this corresponds to 2.2 international collaborations per project.
Most of the collaborations included European partners (67\%), followed by North America (22\%), Asian (7\%) and Oceanian partners (2\%).

## 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 <br> 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 | 121 | 68 | 53 | - | - | 41 | 23 | 18 | - |  | 7.4 |
| MD-PhD fellowships | 7 | 5 | 2 | - | - | 7 | 5 | 2 | - | - | 1.2 |
| Doc. Mobility | 338 | 166 | 172 | 7 | 17 | 202 | 99 | 103 | 2 | 7 | 9.9 |
| Early Postdoc. Mobility | 643 | 242 | 401 | - | - | 353 | 134 | 219 | - | - | 28.1 |
| Advanced Postdoc. Mobility ${ }^{1}$ | 301 | 108 | 193 | 19 | 15 | 146 | 51 | 95 | 7 | 11 | 16.5 |
| Marie Heim-Vögtlin grants (MHV) | 152 | 152 | - | 6 | - | 36 | 36 | - | 4 | - | 7.8 |
| Ambizione | 294 | 90 | 204 | 4 | 1 | 60 | 19 | 41 | 4 | 1 | 32.1 |
| Ambizione Energy ${ }^{2}$ | 29 | 6 | 23 | - | - | 4 | 2 | 2 | - | - | 2.7 |
| SNSF professorships | 259 | 89 | 170 | 8 | 28 | 40 | 18 | 22 | 8 | 24 | 77.5 |
| Assistant Professor (AP) Energy grants ${ }^{2}$ | 15 | 3 | 12 | - | - | 5 | 1 | 4 | - | - | 4.9 |
| Measures for promoting careers |  |  |  |  |  |  |  |  |  |  |  |
| Graduate courses | 3 | - | 3 | - | - | 3 | - | 3 | - | - | 0.1 |
| International short visits | 168 | 59 | 109 | - | - | 144 | 52 | 92 | - | - | 1.1 |
| Research semesters ${ }^{3}$ | 2 | 1 | 1 | - | - | 2 | 1 | 1 | - | - | 0.2 |
| Mobility grants for doctoral students ${ }^{4}$ | (44) | (21) | (23) | - | - | (44) | (21) | (23) | - | - | (0.5) |
| 120\% support grants ${ }^{4}$ | (16) | (10) | (6) | - | - | (12) |  | (5) | - | - | (0.3) |
| Total | 2332 | 989 | 1343 | 44 | 61 | 1043 | 441 | 602 | 25 | 43 | 189.4 |

${ }^{1}$ Incl. 96 applications for return grants ( 44 women; 52 men) and 44 approved return grants ( 21 women; 23 men). Amount approved CHF 3.9 million
${ }^{2}$ Special schemes in connection with the Federal Council's Dispatch on the "Coordinated Swiss Energy Research Action Plan - Measures for the Years 2013-2016"
${ }^{3}$ Research semesters for departing members of the National Research Council
${ }^{4}$ Mobility grants and " $120 \%$ support 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
In 2014, the demand for career funding remained high but stable. The number of applications dropped from 2528 to 2437 as a result of the discontinuation of summer schools (2013: 186 applications). If we ignore this effect, the total number of applications is slightly higher than in the previous year. Ambizione Energy and Assistant Professor Energy grants as well as the return grants were newly added to the portfolio.

### 3.1.1 Funding by scheme and research area

Amounts in CHF million

|  | Number of applications submitted |  |  |  |  | Number of applications approved |  |  |  |  | Success rate ${ }^{1}$ |  |  | Amount approved <br> Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | oposal |  | llow- |  |  | oposals |  | Follow |  |  |  |  |  |
|  | Total | men | Men | Women | Me | Total | Women | Men | Women | Men | Total | Women | Men |  |
| Career funding schemes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Doc.CH | 121 | 68 | 53 | - |  | 41 | 23 | 18 | - |  | 34\% | $34 \%$ | 34\% | 7.4 |
| Humanities and social sciences | 121 | 68 | 53 | . |  | 41 | 23 | 18 |  |  | 34\% | 34\% | 34\% | 7.4 |
| MD-PhD fellowships | 7 | 5 | 2 | . |  | 7 | 5 | 2 | - |  | 100\% | 100\% | 100\% | 1.2 |
| Biology and medicine | 7 | 5 | 2 | . |  | 7 | 5 | 2 | . |  | 100 | 100 | 100\% | 1.2 |
| Doc.Mobility | 338 | 166 | 172 | 7 |  | 202 | 99 | 103 | 2 |  | 60\% | 60\% | 60\% | 9.9 |
| Humanities and social sciences | 285 | 143 | 142 | 5 |  | 170 | 87 | 83 |  | 4 | 60\% | 61\% | 58\% | 8.2 |
| Mathematics, natural and engineering sciences | 28 | 8 | 20 |  |  | 16 | 3 | 13 |  | 1 | 57\% | 38\% | 65\% | 0.8 |
| Biology and medicine | 25 | 15 | 10 | 2 |  | 16 | 9 | 7 | 2 | 2 | 64\% | 60\% | 70\% | 0.9 |
| Early Postdoc.Mobility | 643 | 242 | 401 | - |  | 353 | 134 | 19 | - |  | $55 \%$ | 55\% | 55\% | 28.1 |
| Humanities and social sciences | 164 | 65 | 99 | - |  | 89 | 36 | 53 | . |  | 54\% | 55\% | 54\% | 6.9 |
| Mathematics, natural and engineering sciences | 233 | 79 | 154 |  |  | 142 | 52 | 90 |  |  | 61\% | 66\% | 58\% | 11.3 |
| Biology and medicine | 246 | 98 | 148 |  |  | 122 | 46 | 76 |  |  | 50\% | 47\% | 51\% | 10.0 |
| Advanced Postdoc.Mobility ${ }^{2}$ | 301 | 108 | 193 | 19 |  | 146 | 51 | 95 | 7 | 11 | 49\% | 47\% | 49\% | 16.5 |
| Humanities and social sciences | 75 | 41 | 34 | 9 |  | 36 | 20 | 16 | 4 | 6 | $48 \%$ | 49\% | 47\% | 5.3 |
| Mathematics, natural and engineering sciences | 79 | 17 | 62 | 5 |  | 42 | 7 | 35 | 1 | 2 | 53\% | 41\% | 56\% | 4.3 |
| Biology and medicine | 147 | 50 | 97 | 5 |  | 68 | 24 | 44 | 2 | 3 | 46\% | 48\% | 45\% | 7.0 |
| Marie Heim-Vögtlin programme (MHV) | 152 | 152 |  | 6 |  | 36 | 36 |  | 4 |  | 24\% | 24\% |  | 7.8 |
| Humanities and social sciences | 67 | 67 |  | 5 |  | 14 | 14 |  | 4 |  | 21\% | 21\% |  | 2.8 |
| Mathematics, natural and engineering sciences | 27 | 27 |  | . |  | 7 | 7 |  | . |  | 26\% | 26\% |  | 7 |
| Biology and medicine | 58 | 58 |  | 1 |  | 5 | 15 |  | - |  | 26\% | 26\% |  | 3.4 |
| Ambizione | 294 | 90 | 204 | 4 |  | 60 |  | 41 | 4 | 1 | 20\% | 21\% | 20\% | 32.1 |
| Humanities and social sciences | 75 | 37 | 38 | 2 |  | 16 | 8 | 8 | 2 |  | 21\% | 22\% | 21\% | 7.9 |
| Mathematics, natural and engineering sciences | 122 | 19 | 103 |  |  | 22 | 4 | 18 |  |  | 18\% | 21\% | 17\% | 10.5 |
| Biology and medicine | 97 | 34 | 63 | 2 |  | 22 | 7 | 15 | 2 | 1 | 23\% | 21\% | 24\% | 13.7 |
| Ambizione Energy ${ }^{3}$ | 29 | 6 | 23 | . |  | 4 | 2 | 2 | . |  | 14\% | 33\% | 9\% | 2.7 |
| Humanities and social sciences | 2 | 1 | 1 | . |  | - | - |  | . |  | 0\% | 0\% | 0\% | 0.0 |
| Mathematics, natural and engineering sciences | 27 | 5 | 22 | - |  | 4 | 2 | 2 | - |  | 15\% | 40\% | 9\% | 2.7 |
| Biology and medicine |  | . |  | . |  | . | . |  | - |  | . | . |  |  |
| SNSF professorships | 259 | 89 | 170 | 8 |  | 40 | 18 | 22 | 8 | 24 | 15\% | 20\% | 3\% | 77.5 |
| Humanities and social sciences | 78 | 43 | 35 | 4 |  | 12 | 9 | 3 | 4 | 7 | 15\% | 21\% | 9\% | 19.6 |
| Mathematics, natural and engineering sciences | 93 | 18 | 75 | 1 |  | 13 | 3 | 10 | 1 |  | 14\% | 17\% | 13\% | 25.9 |
| Biology and medicine | 88 | 28 | 60 | 3 |  | 15 | 6 | 9 | 3 | 10 | 17\% | 21\% | 15\% | 32.0 |
| Assistant Professor (AP) Energy Grants ${ }^{3}$ | 15 | 3 | 12 | . |  | 5 | 1 | 4 | - |  | 33\% | 33\% | 33\% | 4.9 |
| Humanities and social sciences | 1 | 1 |  | . |  | - | - |  | . |  | 0\% | 0\% | 0\% | 0.0 |
| Mathematics, natural and engineering sciences | 14 | 2 | 12 | - |  | 5 | 1 | 4 | . |  | 36\% | 50\% | 33\% | 9, |
| Biology and medicine |  |  |  |  |  | - | . |  |  |  |  |  |  |  |
| Measures for promoting careers |  |  |  | . |  |  |  |  |  |  |  |  |  |  |
| Graduate courses | 3 | . | 3 | . |  | 3 | - | 3 | - |  | 100\% | . | 100\% | 0.1 |
| Humanities and social sciences | 3 | - | 3 | . |  | 3 | - | 3 | . |  | 100\% | - | 100\% | 0.1 |
| International short visits | 168 | 59 | 109 | . |  | 144 | 52 | 92 | . |  | 86\% | 88\% | 84\% | 1.1 |
| Humanities and social sciences | 76 | 31 | 45 | - |  | 60 | 27 | 33 | . |  | 79\% | 87\% | 73\% | 0.4 |
| Mathematics, natural and engineering sciences | 45 | 8 | 37 | - |  | 40 | 7 | 33 | . |  | 89\% | 88\% | 89\% | 0.3 |
| Biology and medicine | 47 | 20 | 27 | . |  | 44 | 18 | 26 | . |  | 94\% | 90\% | 96\% | 0.3 |
| Research semesters ${ }^{4}$ | 2 | 1 | 1 | - |  | 2 | 1 | 1 | . |  | 100\% | 100\% | 100\% | 0.2 |
| Mobility grants ${ }^{5}$ | (44) | (21) | (23) | - |  | (44) | (21) | (23) | . |  | 100\% | 100\% | 100\% | (0.5) |
| 120\% support grants ${ }^{5}$ | (16) | (10) | (6) |  |  | (12) | (7) | (5) |  |  | 75\% | 70\% | 83\% | (0.3) |
| Total | 2332 | 989 | 1343 | 44 |  | 1043 | 441 | 602 | 25 | 43 | 45\% | 45\% | 45\% | 189.4 |
| $\mathrm{I}^{\text {Ratio of the number of application spproved to the number of appications submitted (new appications) }}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ${ }^{2} 1$ nkl. 96 eingereichten Rückkehrbeitrăgen ( 44 Frauen; 52 Männer) und 44 bewilligten Rückkehrbeiträgen ( 21 Frauen; 23 Männer). <br> ${ }^{3}$ Spezialinstrumente im Rahmen der Botschaft zum Aktionsplan „Koordinierte Energieforschung Schweiz" - Massnahmen in den Jahren 2013-2016 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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

Amounts in CHF million

|  | Berne | Basel | Fribourg | Geneva |  | Lausanne | Neuchâtel | St. Gallen | $\begin{gathered} \text { Ticino } \\ \text { (USI) } \end{gathered}$ | Zurich | ETH Domain |  |  | Various ${ }^{3}$ | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  | EPF Lausanne | ETH <br> Zurich | Research institutes ${ }^{2}$ |  |  |
| Number of applications approved ${ }^{4}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Doc.CH | 4 | 5 | 4 | 6 | 1 | 4 | 1 | 1 | 2 | 10 |  |  |  | 3 | 41 |
| MD-PhD fellowships | - | - | - | - | - | - | - | - | - | - | - |  |  | 7 | 7 |
| Marie Heim-Vögtlin programme (MHV) | 3 | 5 | - | 6 | - | 2 | 1 | - | - | 7 | 1 | 8 | 1 | 2 | 36 |
| Ambizione | 12 | 3 | 5 | 6 | 1 | 4 | 3 | - | - | 11 | 3 | 8 | 2 | 2 | 60 |
| Ambizone Energy ${ }^{5}$ | - | $-$ | $-$ | - | - | - | - | - | - | - | 1 | 2 | 1 | - | 4 |
| SNSF professorships | 3 | 5 | 6 | 4 | 2 | 6 | - | - | - | 10 | - | 3 | 1 | - | 40 |
| Assistant Professor (AP) Energy grants ${ }^{5}$ | - | $-$ | $-$ | - | - | - | - | - | - | - | 3 | 1 |  | 1 | 5 |
| Graduate courses |  | 1 | 1 | - | - | - | - | - | - | 1 | - | - |  | - | 3 |
| International short visits | - | - | - | - | - | - | - | - | - | - | - | - |  | 144 | 144 |
| Research semesters |  | - | - | - | - | - | - | - | - | 1 |  | 1 |  | - | 2 |
| Total | 22 | 19 | 16 | 22 | 4 | 16 | 5 | 1 | 2 | 40 | 8 | 23 | 5 | 159 | 342 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Amounts approved ${ }^{6}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Doc.CH | 0.7 | 0.6 | 0.8 | 1.4 | 0.2 | 0.9 | 0.2 | 0.2 | 0.4 | 1.5 | - | - | - | 0.5 | 7.4 |
| MD-PhD fellowships | - | - | - | - | - | - | - | - | - | - | - | - |  | 1.2 | 1.2 |
| Marie Heim-Vögtlin programme (MHV) | 0.8 | 1.2 | - | 1.6 | - | 0.3 | 0.3 | - | - | 1.1 | 0.3 | 1.9 | 0.2 | 0.3 | 7.8 |
| Ambizione | 7.1 | 1.8 | 2.6 | 3.5 | 0.5 | 2.4 | 1.5 | - |  | 5.6 | 1.2 | 3.8 | 1.1 | 1.1 | 32.1 |
| Ambizone Energy | - | - | - | - | - | - | - | - | - | - | 1.6 | 0.5 | 0.6 | - | 2.7 |
| SNSF professorships | 5.3 | 8.8 | 10.5 | 10.1 | 2.9 | 11.0 |  | - |  | 18.5 | 2.8 | 5.7 | 1.6 | 0.4 | 77.5 |
| Assistant Professor (AP) Energy grants | - | - |  | - | - | - | - | - | - | - | 3.0 | 0.7 |  | 1.2 | 4.9 |
| Graduate courses |  | 0.0 | 0.0 | - | - | - | - | - | - | 0.0 | - | - | - | - | 0.1 |
| International short visits |  |  |  | - |  | - |  | - | - | - | - | - |  | 1.1 | 1.1 |
| Research semesters |  |  |  | - | - | - | - | - | - | 0.1 | - | 0.1 | - | - | 0.2 |
| Total | 13.9 | 12.5 | 13.8 | 16.5 | 3.5 | 14.7 | 2.0 | 0.2 | 0.4 | 26.7 | 8.9 | 12.6 | 3.5 | 5.7 | 134.9 |

Without Doc.Mobility/Early/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.
${ }^{2}$ 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"
ncludes 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 | 58.5 |
| Mathematics, natural and engineering sciences | 62.4 |
| Biology and medicine | 68.6 |
| Total | $\mathbf{1 8 9 . 4}$ |

### 3.3 Fellowships by host country



With 701 fellowships for young researchers, the SNSF supported a total of 773 research stays abroad. About half of the stays took place in a European country (47\%), with the USA taking second place with $46 \%$.

## 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) | 144 | 45.2 |
| National Centres of Competence in Research (NCCRs) ${ }^{1}$ | 358 | 64.2 |
| Sinergia | 35 | 54.5 |
| International programmes | 142 | 30.0 |
| Swiss Programme for Research on Global Issues for Development (r4d programme) | 17 | 13.5 |
| SCOPES | 103 | 11.7 |
| Multilateral collaboration | 3 | 0.3 |
| Indo-Swiss J oint Research Programme | 11 | 2.7 |
| ERA-NET | 8 | 1.8 |
| precoR | 6 | 2.1 |
| Doctoral programmes (ProDoc) ${ }^{2}$ | - | 1.5 |
| Total | 685 | 197.5 |

${ }^{1}$ 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.

| Current NRPs | Approved amount $2014^{1}$ | Overall budget | Overall amount approved up to $2014^{2}$ | Duration |
| :---: | :---: | :---: | :---: | :---: |
| NRP 60 Gender Equality | 0.4 | 8.0 | 7.4 | 2010-2013 |
| NRP 61 Sustainable Water Management | 0.3 | 12.0 | 11.0 | 2010-2013 |
| NRP 62 Smart Materials | 0.4 | 11.0 | 10.0 | 2010-2014 |
| NRP 63 Stem Cells and Regenerative Medicine | - | 10.0 | 9.0 | 2010-2014 |
| NRP 64 Opportunities and Risks of Nanomaterials | 0.0 | 12.0 | 10.8 | 2010-2015 |
| NRP 65 New Urban Quality | 0.1 | 5.0 | 4.0 | 2010-2013 |
| NRP 66 Resource Wood | 3.3 | 18.0 | 16.3 | 2012-2017 |
| NRP 67 End of Life | 1.5 | 15.0 | 12.0 | 2012-2018 |
| NRP 68 Sustainable Use of Soil as a Resource | 0.9 | 13.0 | 9.3 | 2013-2017 |
| NRP 69 Healthy Nutrition and Sustainable Food Production | 0.0 | 13.0 | 7.5 | 2013-2017 |
| NRP 70 Energy Turnaround | 30.1 | 37.0 | 30.1 | 2013-2018 |
| NRP 71 Managing Energy Consumption | 5.9 | 8.0 | 5.9 | 2013-2018 |
| J oint Programming Initiative on Agriculture, Food Security and Climate Change (FACCE-JPI) | 2.4 | 4.0 | 3.0 | 2013-2017 |
| Total | 45.2 | 166.0 | 136.2 |  |

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

With a total budget of CHF 37 million, the National Research Programme "Energy Turnaround" is the largest NRP ever launched. In 2014, the SNSF awarded grants worth CHF 30.1 million from this budget. NRP 70 generates knowledge aimed at supporting the federal government and Swiss businesses in implementing "Energy Strategy 2050". In addition, CHF 5.9 million was allocated to the NRP "Managing Energy Consumption".

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

## Amounts in CHF million

|  | Humanities and <br> social sciences | Mathematics, <br> natural and <br> engineering <br> sciences | Biology and <br> medicine | Total |
| :--- | :--- | ---: | ---: | ---: |

${ }^{1}$ 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
${ }^{5}$ Various (research centres, museums, libraries, individuals, companies, non-profit organisations, etc.)

### 4.3 National Centres of Competence in Research

## Amounts in million CHF

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

| 2005 series | $\begin{array}{r} \text { SNSF } \\ \text { contribution } \\ 2014^{1} \\ \hline \end{array}$ | SNSF <br> contribution <br> for 12 years | Total budget for 12 years | Start | Home institution |
| :---: | :---: | :---: | :---: | :---: | :---: |
| NCCR Affective Sciences: Emotions in Individual Behaviour and Social Processes | 1.9 | 28.1 | 89.9 | 2005 | University of Geneva |
| NCCR Democracy: Challenges to Democracy in the 21st Century | 1.3 | 20.1 | 44.5 | 2005 | University of Zurich |
| NCCR Iconic Criticism: Power and Importance of Pictures (Eikones) | 1.3 | 19.9 | 51.2 | 2005 | University of Basel |
| NCCR Mediality: Historical Perspectives | 1.2 | 15.9 | 33.2 | 2005 | University of Zurich |
| NCCR Trade Regulation: International Trade <br> Regulation - From Fragmentation to Coherence | 2.1 | 26.4 | 37.1 | 2005 | University of Berne |
| Total | 7.8 | 110.4 | 255.9 |  |  |
| 2010 series | $\begin{array}{r} \text { SNSF } \\ \text { contribution } \\ 2014^{1} \\ \hline \end{array}$ | $\begin{array}{r} \text { SNSF } \\ \text { contribution } \\ \text { for } 8 \text { years } \\ \hline \end{array}$ | Total budget for 8 years | Start | Home institution |
| NCCR Chemical Biology: Visualisation and Control of Biological Processes Using Chemistry | 2.6 | 28.1 | 61.8 | 2010 | University of Geneva / ETH Zurich |
| NCCR Kidney.CH: Kidney Control of Homeostasis | 3.4 | 33.1 | 50.2 | 2010 | University of Zurich |
| NCCR LIVES: Overcoming vulnerability: life course perspectives | 3.5 | 29.1 | 80.3 | 2011 | University of Lausanne / University of Geneva |
| NCCR MUST: Molecular Ultrafast Sciences and Technology | 3.5 | 35.1 | 92.1 | 2010 | ETH Zurich / University of Berne |
| NCCR QSIT: Quantum Science and Technology | 4.5 | 37.8 | 112.6 | 2011 | ETH Zurich / University of Basel |
| NCCR Robotics: Intelligent Robots for Improving the Quality of Life | 2.6 | 28.6 | 64.0 | 2010 | EPF Lausanne |
| NCCR SYNAPSY: The synaptic bases of mental diseases | 3.5 | 34.9 | 93.9 | 2010 | EPF Lausanne / University of Lausanne / University of Geneva |
| NCCR TransCure: From transport physiology to identification of therapeutic targets | 2.8 | 25.9 | 60.7 | 2010 | University of Berne |
| Total | 26.4 | 252.6 | 615.6 |  |  |
| 2014 series | $\begin{array}{r} \text { SNSF } \\ \text { contribution } \\ 2014^{1} \end{array}$ | $\begin{array}{r} \text { SNSF } \\ \text { contribution } \\ \text { for } 4 \text { years } \end{array}$ | Total budget for 4 years | Start | Home institution |
| NCCR Bio-Inspired Materials | 3.0 | 12.0 | 26.6 | 2014 | University of Fribourg |
| NCCR Digital Fabrication: Advanced Building Processes in Architecture | 2.8 | 13.4 | 28.8 | 2014 | ETH Zurich |
| NCCR MARVEL: Computational Materials Design and Discovery | 5.3 | 18.0 | 34.4 | 2014 | EPF Lausanne |
| NCCR MSE: Molecular Systems Engineering | 4.2 | 16.9 | 37.1 | 2014 | University of Basel / ETH Zurich |
| NCCR On the Move: The Migration-Mobility Nexus | 4.3 | 17.2 | 27.4 | 2014 | University of Neuchâtel |
| NCCR PlanetS: Origin, Evolution, and Characterisation 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 | 3.7 | 16.6 | 39.1 | 2014 | University of Berne / ETH Zurich |
| NCCR SwissMAP: The Mathematics of Physics | 2.3 | 11.2 | 28.0 | 2014 | University of Geneva / ETH Zurich |
| Total | 30.0 | 122.9 | 255.8 |  |  |
|  | SNSF contribution $2014^{1}$ | SNSF contribution for $4 / 8 / 12$ | Total budget for 4/8/12 years |  |  |
| All NCCRs | 64.2 | 485.9 | 1'127.3 |  |  |

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

### 4.3.1 Pôles de recherche nationaux - Subsides de recherche par domaine scientifique et institution (part FNS uniquement) ${ }^{\mathbf{1}}$ <br> Montants en millions de francs

|  | Sciences humaines et sociales | sciences naturelles et de l'ingénieur | Biologie et médecine | Total |
| :---: | :---: | :---: | :---: | :---: |
| Universités | 14.3 | 13.4 | 12.5 | 40.2 |
| Berne | 2.6 | 3.1 | 3.2 | 8.9 |
| Bâle | 1.1 | 3.3 | 1.1 | 5.6 |
| Fribourg | 0.1 | 2.3 | 0.5 | 2.9 |
| Genève | 2.5 | 3.5 | 3.8 | 9.8 |
| Lucerne | 0.3 | - | - | 0.3 |
| Lausanne | 2.6 | - | 1.8 | 4.4 |
| Neuchâtel | 2.8 | - | - | 2.8 |
| Saint-Gall | 0.1 | - | - | 0.1 |
| Tessin (USI) | - | - | - | 0.0 |
| Zurich | 2.2 | 1.2 | 2.1 | 5.5 |
| Domaine des EPF | 2.5 | 14.2 | 2.9 | 19.6 |
| EPF Lausanne | 0.2 | 4.4 | 1.2 | 5.7 |
| EPF Zurich | 2.4 | 9.1 | 1.6 | 13.1 |
| $1 \mathrm{R}^{2}$ | - | 0.8 | - | 0.8 |
| HES | 0.4 | - | - | 0.4 |
| Autres ${ }^{3}$ | - | 2.7 | 1.4 | 4.1 |
| Total | 17.2 | 30.3 | 16.8 | 64.2 |

${ }^{1}$ Un zéro apparaît pour les subsides d'un montant inférieur à 0,05 mio. fr.
${ }^{2}$ Instituts de recherche du domaine des EPF (EMPA, EAWAG, PSI, WSL)
${ }^{3}$ Centres de recherche, musées, bibliothèques, personnes individuelles, etc

## 5. I nfrastructures

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 | 8 | 6.2 |
| R'Equip | 56 | 14.7 |
| FLARE | 8 | 6.5 |
| Total | 72 | 27.4 |

### 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 | 19.9 |
| Biology and medicine | $\mathbf{7 . 3}$ |
| Total | $\mathbf{2 7 . 4}$ |

## 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

### 6.2 Funding by research area

## Amounts in CHF million

## Distribution of the approved amounts



|  | Betrag |
| :--- | ---: |
| Humanities and social sciences | 4.8 |
| Mathematics, natural and engineering sciences | 1.1 |
| Biology and medicine | 1.5 |
| Total | $\mathbf{7 . 4}$ |

## 7. Temporary Backup Schemes

The Temporary Backup Schemes (TBS) comprise SNSF Starting Grants and SNSF Consolidators Grants. With these backup measures, the SNSF provided researchers in Switzerland with a substitute for the grants of the European Research Council following the acceptance of the popular initiative "Stop mass immigration" in February 2014. The federal government made additional funds available to finance TBS.

### 7.1 Funding by scheme

## Amounts in CHF million

Distribution of the approved amounts


|  | Number |  | AmountAmount incl. <br> overhead |  |
| :--- | ---: | ---: | ---: | :---: |
| Starting Grants | 27 | 40.6 | 46.7 |  |
| Consolidator Grants | 21 | 39.6 | 45.5 |  |
| Total | 48 | 80.2 | 92.2 |  |

The distribution of funds across the Starting and Consolidator Grants was based on demand.

### 7.2 Starting Grants: <br> funding by research area

Amounts in CHF million

## Distribution of the approved amounts



| Humanities and social sciences | Betrag |
| :--- | ---: |
| Mathematics, natural and engineering sciences | 6.8 |
| Biology and medicine | 18.9 |
| Total | $\mathbf{1 5 . 0}$ |

### 7.3 Consolidator Grants:

## funding by research area

## Amounts in CHF million

## Distribution of the approved amounts



|  | Betrag |
| :--- | ---: |
| Humanities and social sciences | 6.6 |
| Mathematics, natural and engineering sciences | 20.4 |
| Biology and medicine | 12.6 |
| Total | $\mathbf{3 9 . 6}$ |


[^0]:    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

[^1]:    Amounts lower than CHF 0.05 million are shown as zero.

