

# ETH Zurich Annual Report 2003

## **Report**

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## System-Oriented Sciences

Earth Sciences

Environmental Sciences

Agricultural and Food Sciences

## Humanities, Social and Political Sciences

Humanities, Social and Political Sciences

### Executive Board

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Swiss Center for Scientific Computing  
FIRST-Lab

University Assembly

## DEVELOPMENT OF ETH ZURICH

	1979	1985	1990	1995	2000	2003	% increase since 1979
Students	7 176	9 696	11 189	11 627	11 596	12 626	75.9
of whom foreign students	874	1 193	1 660	2 227	2 211	2 525	188.9
Diplomas and doctorates							
Diplomas	948	954	1 256	1 357	1 191	1 163	22.7
Doctorates	210	244	282	422	523	429	104.3
NDS-Diplomas	26 <sup>1)</sup>	89	79	136	176	177	-
Staff							
Full-time equivalents	3 928	4 251	4 626	5 315	5 344	5 891	50.0
Staff	5 311	5 743	6 271	7 230	7 338	8 068	51.9
Professorships	261	272	287	325	333	356	36.4
of which assistant professorships	4	6	11	39	49	64	-
Budget funding (in CHF million, real 2003)	528.5	571.6	761.7	824.3	786.6	804.5	52.2
Third-party funding (in CHF million, real 2003)	59.6	65.3	108.5	138.2	130.6	153.2	156.9
Main usable floor area (in 1,000 m <sup>2</sup> )	260	270	287	306	342	360.0	38.5

<sup>1)</sup>NDS-Diplomas 1980

1979: Occupation of ETH Zurich's chemistry buildings

1985: Beginning of needs analysis for the third stage of the development of ETH Hönggerberg

2001: Occupation of the first phase of the third stage of development of ETH Hönggerberg

Own budget funding: incl. funding from other Federal agencies, excl. capital expenditure for building

## PARAMETERS

Percentage women	1993	1998	1999	2000	2001	2002	2003
Staff	22.1	25.4	26.3	26.4	26.7	27.6	27.6
- Professorships	4.1	5.7	6.8	7.3	6.9	6.9	7.0
- Scientific staff	14.5	19.4	20.7	20.6	21.8	23.2	22.5
- Other staff	38.5	39.0	38.3	38.3	37.8	37.6	38.0
Students	20.4	24.9	25.7	26.3	27.1	28.1	29.1
- Total foreign students	20.9	28.9	28.6	28.8	28.7	29.7	30.1
- Undergraduates	21.4	25.3	26.0	26.8	28.0	28.8	29.4
- Doctoral candidates	16.0	22.7	24.0	23.6	24.0	24.8	26.5
- Postgraduates	20.7	30.7	30.2	30.6	24.1	33.2	36.6

## PARAMETERS

Percentage foreigners	1993	1998	1999	2000	2001	2002	2003
Staff	29.7	32.9	33.9	34.6	36.5	38.0	39.9
- Professorships	39.1	44.9	47.9	50.7	54.3	57.2	58.2
- Scientific staff	35.8	41.1	43.6	45.2	46.8	49.5	53.1
- Other staff	17.4	16.9	16.7	15.7	17.0	17.4	17.9
Students	17.5	19.4	18.9	19.1	18.9	19.4	20.0
- Undergraduates	12.0	12.4	11.9	11.5	11.1	11.0	11.1
- Doctoral candidates	39.9	45.9	46.5	48.3	48.7	49.8	51.7
- Postgraduates	31.9	28.8	23.7	28.0	30.1	35.9	35.9

## AWARD OF GRANTS AT ETH ZURICH: APPROVALS AND DISBURSEMENTS 2003 (SUMMARY)

	Approvals 2003			
	No. of grants approved (does not exactly correspond to number of people)			
	CH		Foreigners	
	Men	Women	Men	Women
Undergraduates	192	61	61	16
Postgraduates <sup>1</sup>	3	2	35	31
Doctoral candidates	6	3	17	9
Mobility scheme students	185	63	245	110
Exchange students	2	0	13	13
Loans <sup>3</sup>	39	8	7	3
Tuition fee exemptions	507	221	139	93

	Disbursements 2003			Third-party funding (SNSF, funds and foundations, private business)
	Total disbursed grants in CHF	of which Budget funding	Other Federal funding	
Undergraduates	948 600	341 300		607 300
Postgraduates	1 086 433	387 898	698 535 <sup>2</sup>	
Doctoral candidates	1 034 393	270 350		764 043
Mobility scheme students	852 034	322 715	483 490	45 829
Exchange students	197 025	112 825		84 200
<b>Total</b>	<b>4 118 485</b>	<b>1 435 088</b>	<b>1 182 025</b>	<b>1 501 372</b>
Loans <sup>3</sup>	144 500			144 500

<sup>1</sup> excl. DEZA (Swiss Agency for Cooperation and Development), incl. "Swiss Federal Government Scholarships"

<sup>2</sup> only DEZA (Swiss Agency for Cooperation and Development), and "Swiss Federal Government Scholarships"

<sup>3</sup> Loan and grant funds and Frossard fund

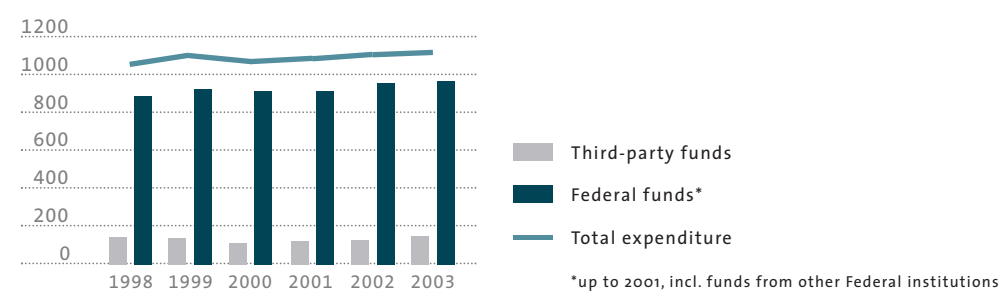
## OVERALL VIEW OF EXPENDITURE

(in CHF thousand = TCHF)	2001	2002	2003	Change	
	TCHF	TCHF	TCHF	in TCHF	in %
<b>1. Auton. funds from Federal budget</b>	<b>935 483</b>	<b>960 269</b>	<b>966 391</b>	<b>6 122</b>	<b>0.64</b>
Operating expenditure (excl. cap. exp.) <sup>1</sup>	756 792	763 759	766 343	2 584	0.34
Capital expenditure	178 691	196 510	200 048	3 538	1.80
<b>2. Third-party funds</b>	<b>130 869</b>	<b>139 532</b>	<b>153 161</b>	<b>13 629</b>	<b>9.77</b>
Operating expenditure (excl. cap. exp.)	127 125	133 091	146 516	13 425	10.09
Capital expenditure	3 744	6 441	6 645	204	3.17
<b>3. Funds from other Federal institutions</b>	<b>3 393</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total expenditure</b>	<b>1 069 745</b>	<b>1 099 801</b>	<b>1 119 552</b>	<b>19 751</b>	<b>1.80</b>

<sup>1</sup> Expenditure-reducing income was offset against expenditure in 2001 and 2002.

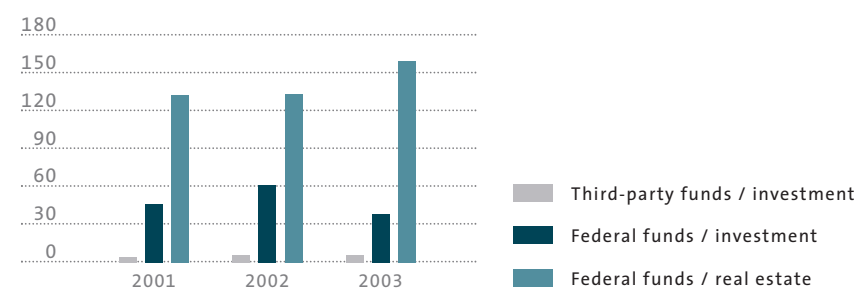
## DEVELOPMENT OF EXPENDITURE (1998–2003)

in CHF m

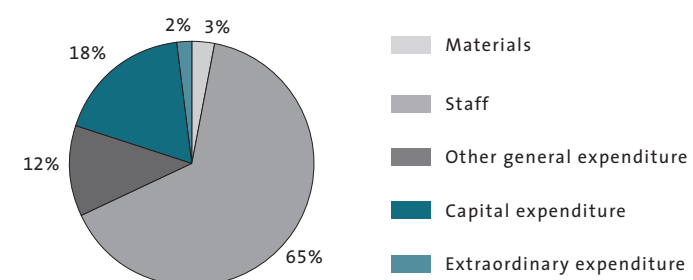


## DEVELOPMENT OF INVESTMENTS (2001–2003)

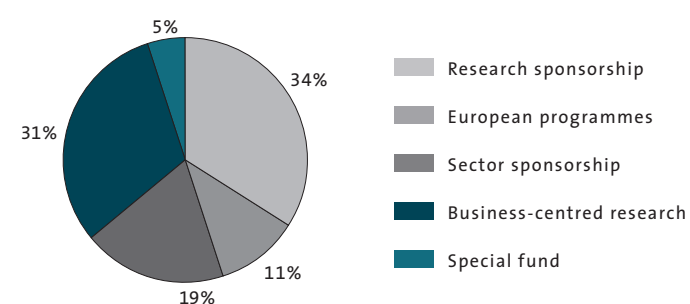
in CHF m



## BREAKDOWN OF EXPENDITURE 2003



## THIRD-PARTY RESOURCES 2003



## BREAKDOWN OF EXPENDITURE BY DISCIPLINE

(in CHF 1000 and on basis of funding/budget responsibility)

	Actual 2003 Total	Source of funding/credit sources (financing)				Use of funds by type of expenditure		
		Core remit	Add. finance, Executive Board	Total budget funding	Third-party funding	Personnel <sup>1</sup>	Materials	Investment buildings/facilities
<b>CONSTRUCTION AND GEOMATICS</b>								
Architecture	33 677	28 158	3 396	31 554	2 122	31 114	2 119	444
Civil, Environmental and Geomatics Eng.	50 452	37 861	3 757	41 617	8 835	44 571	4 372	1 509
<b>Total</b>	<b>84 129</b>	<b>66 018</b>	<b>7 153</b>	<b>73 171</b>	<b>10 957</b>	<b>75 685</b>	<b>6 491</b>	<b>1 953</b>
<b>ENGINEERING SCIENCES</b>								
Mechanical Engineering	49 891	33 173	6 968	40 141	9 750	42 130	4 524	3 237
Information Technology and Electrical Eng.	53 723	34 107	3 917	38 024	15 699	47 375	3 809	2 539
Computer Science	27 823	20 477	2 965	23 442	4 381	25 549	1 708	566
Materials Science	23 076	16 007	1 958	17 965	5 111	19 638	2 081	1 357
Industrial Management and Manufact.	15 027	8 520	729	9 248	5 778	15 425	-504	106
<b>Total</b>	<b>169 540</b>	<b>112 284</b>	<b>16 537</b>	<b>128 821</b>	<b>40 719</b>	<b>150 116</b>	<b>11 618</b>	<b>7 805</b>
<b>SCIENCES AND MATHEMATICS</b>								
Mathematics	25 270	20 504	1 954	22 458	2 811	24 207	1 029	33
Physics	70 767	40 480	10 876	51 356	19 411	51 136	13 936	5 695
Chemistry and Applied Biosciences	68 077	49 190	8 115	57 305	10 772	55 806	4 855	7 416
Biology	60 850	30 555	9 801	40 356	20 493	42 089	15 055	3 706
<b>Total</b>	<b>224 964</b>	<b>140 729</b>	<b>30 746</b>	<b>171 476</b>	<b>53 488</b>	<b>173 238</b>	<b>34 875</b>	<b>16 851</b>
<b>SYSTEM-ORIENTED SCIENCES</b>								
Earth Sciences	31 517	19 093	4 994	24 087	7 430	27 063	1 788	2 666
Environmental Sciences	35 975	26 444	4 135	30 579	5 396	31 414	3 245	1 316
Agriculture and Food Sciences	41 070	29 080	4 861	33 941	7 129	35 650	1 934	3 486
Forest Sciences	9 780	8 027	627	8 654	1 126	9 584	116	80
<b>Total</b>	<b>118 342</b>	<b>82 644</b>	<b>14 618</b>	<b>97 262</b>	<b>21 081</b>	<b>103 711</b>	<b>7 084</b>	<b>7 548</b>
<b>OTHER SCIENTIFIC AND INTERDISC. EXPENDITURE</b>								
Humanities, Social and Political Sciences	27 236	13 479	1 993	15 472	11 764	23 863	3 277	97
Projects/centres	-3 333	191	2 734	2 925	-6 259	4 103	-11 789	4 353
<b>Total</b>	<b>23 903</b>	<b>13 670</b>	<b>4 727</b>	<b>18 398</b>	<b>5 506</b>	<b>27 966</b>	<b>-8 513</b>	<b>4 450</b>
<b>Total Departments and projects/centres</b>	<b>620 879</b>	<b>415 346</b>	<b>73 781</b>	<b>489 127</b>	<b>131 751</b>	<b>530 717</b>	<b>51 554</b>	<b>38 607</b>
Executive Board and Central Authorities <sup>2</sup>	337 537	246 024	70 104	316 128	21 409	189 688	140 899	6 950
Investment in buildings	161 136		161 136	161 136				161 136
<b>Total Executive Board, Central Authorities and Building Investment</b>	<b>498 673</b>	<b>246 024</b>	<b>231 240</b>	<b>477 264</b>	<b>21 409</b>	<b>189 688</b>	<b>140 899</b>	<b>168 086</b>
<b>Grand total, expenditure</b>	<b>1 119 552</b>	<b>661 370</b>	<b>305 022</b>	<b>966 391</b>	<b>153 161</b>	<b>720 405</b>	<b>192 454</b>	<b>206 693</b>

<sup>1</sup> incl. benefits and remaining personnel costs

<sup>2</sup> incl. tuition fees, charges and incidental expenditure

## NEW STUDENTS ENTRANTS BY CATEGORY

(Undergraduates, postgraduates and doctoral candidates)

Programme	New entrants Undergraduates <sup>1</sup>				New entrants Postgraduate students				New entrants Doctoral candidates			
			of whom women				of whom women				of whom women	
	00	02	03	03	00	02	03	03	00	02	03	03
<b>CONSTRUCTION AND GEOMATICS</b>												
Architecture	231	284	325	145	29	62	68	36	12	20	16	9
Civil Engineering	63	107	82	16	-	-	-	-	27	20	19	3
Environmental Engineering	21	43	60	23	-	-	-	-	3	12	2	1
Geomatics and Planning	22	29	29	5	1	4	21	7	7	11	13	4
Rural Engineering and Surveying	1	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>338</b>	<b>463</b>	<b>496</b>	<b>189</b>	<b>30</b>	<b>66</b>	<b>89</b>	<b>43</b>	<b>49</b>	<b>63</b>	<b>50</b>	<b>17</b>
<b>ENGINEERING SCIENCES</b>												
Mechanical Engineering	206	262	220	21	-	-	-	-	43	55	67	11
Information Technology and Electrical Eng.	196	239	254	16	11	6	4	3	70	92	65	9
Computer Science	288	266	181	19	-	-	-	-	44	38	37	5
Materials Science	37	43	28	7	-	-	-	-	25	20	27	6
Industrial Management and Manufacturing <sup>2</sup>	11	6	14	3	76	86	93	26	16	11	12	-
<b>Total</b>	<b>738</b>	<b>816</b>	<b>697</b>	<b>66</b>	<b>87</b>	<b>92</b>	<b>97</b>	<b>29</b>	<b>198</b>	<b>216</b>	<b>208</b>	<b>31</b>
<b>SCIENCES AND MATHEMATICS</b>												
Mathematics	61	90	79	23	-	-	-	-	16	23	21	5
Computational Science and Engineering <sup>2</sup>	1	-	3	-	-	-	-	-	1	1	1	-
Physics	118	140	163	19	17	17	3	1	52	60	41	9
Chemistry	44	79	78	14	-	-	-	-	67	64	55	16
Chemical Engineering <sup>2</sup>	2	-	2	1	-	-	-	-	8	5	8	2
Interdisciplinary Sciences	10	19	32	5	-	-	-	-	1	4	-	-
Pharmaceutical Sciences	76	64	100	84	-	-	-	-	24	33	19	13
Biology	151	143	138	64	-	-	-	-	67	88	82	37
Physical Education and Sports <sup>2</sup>	10	197	188	114	-	-	-	-	-	-	1	-
<b>Total</b>	<b>473</b>	<b>732</b>	<b>783</b>	<b>324</b>	<b>17</b>	<b>17</b>	<b>3</b>	<b>1</b>	<b>236</b>	<b>278</b>	<b>228</b>	<b>82</b>
<b>SYSTEM-ORIENTED SCIENCES</b>												
Earth Sciences	38	52	43	14	-	-	-	-	36	31	24	8
Environmental Sciences	118	118	135	62	-	-	-	-	53	58	48	18
Agricultural Sciences	37	48	33	14	-	-	-	-	26	32	27	9
Food Sciences	47	75	45	38	16	18	17	14	6	14	16	10
Forest Sciences	26	19	-	-	-	-	-	-	9	9	5	2
<b>Total</b>	<b>266</b>	<b>312</b>	<b>256</b>	<b>128</b>	<b>16</b>	<b>18</b>	<b>17</b>	<b>14</b>	<b>130</b>	<b>144</b>	<b>120</b>	<b>47</b>
<b>OTHER SCIENCES AND SPORT</b>												
Humanities, Social and Political Sciences	-	-	-	-	36	43	14	6	-	-	-	-
Professional Officer	32	22	36	2	-	-	-	-	-	-	-	-
Physical Education and Sports Teacher	176	7	19	9	-	-	-	-	-	-	-	-
<b>Total</b>	<b>208</b>	<b>29</b>	<b>55</b>	<b>11</b>	<b>36</b>	<b>43</b>	<b>14</b>	<b>6</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>ETH Zurich Total</b>	<b>2023</b>	<b>2352</b>	<b>2287</b>	<b>718</b>	<b>186</b>	<b>236</b>	<b>220</b>	<b>93</b>	<b>613</b>	<b>701</b>	<b>606</b>	<b>177</b>

Proportion of total number of students in percent

71.7 71.5 73.4 6.6 7.2 7.1 21.7 21.3 19.5

Proportion of women per student category in percent

31.4 42.3 29.2

<sup>1</sup> New student entrants for diploma and Bachelor's programs combined.

<sup>2</sup> The figures in the table relate to new student entrants. The following entrants were also recorded as a result of students changing their course of study:  
 51 (2000), 41 (2002) or rather 52 (2003) into the industrial Management and Manufacturing diploma course.  
 11 (2000), 5 (2002) or rather 24 (2003) into the Computational Science and Eng. diploma course or rather in the Bachelor's program  
 8 (2000), 6 (2002) or rather 5 (2003) into the Chemical Engineering diploma course or rather in the Bachelor's program  
 5 (2000), 27 (2002) or rather into the Physical education and sports diploma course or rather in the Bachelor's program.

**Comment:** The new Bachelor's program names are used throughout.

## NEW STUDENT ENTRANTS 2003 BY CATEGORY

(Undergraduates, postgraduates and doctoral candidates)

Programme	New entrants Undergraduates <sup>1</sup>		<i>of whom Bachelor's of whom foreigner</i>		New entrants postgraduates		New entrants doctoral cand.		Total new entrants stud.	
			of whom foreigner		of whom foreigner		of whom foreigner		of whom foreigner	
	03	03	03	03	03	03	03	03	03	03
<b>CONSTRUCTION AND GEOMATICS</b>										
Architecture	325	86	-	-	68	53	16	11	409	150
Civil Engineering	82	4	76	-	-	-	19	13	101	17
Environmental Engineering	60	4	56	-	-	-	2	1	62	5
Geomatics and Planning	29	-	27	-	21	1	13	11	63	12
Rural Engineering and Surveying	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>496</b>	<b>94</b>	<b>159</b>	<b>-</b>	<b>89</b>	<b>54</b>	<b>50</b>	<b>36</b>	<b>635</b>	<b>184</b>
<b>ENGINEERING SCIENCES</b>										
Mechanical Engineering	220	42	209	34	-	-	67	35	287	77
Information Technology and Electrical Eng. <sup>2</sup>	254	35	-	-	4	3	65	36	323	74
Computer Science	181	29	167	23	-	-	37	19	218	48
Materials Science	28	3	27	2	-	-	27	12	55	15
Industrial Management and Manufacturing <sup>3</sup>	14	7	-	-	93	20	12	8	119	35
<b>Total</b>	<b>697</b>	<b>116</b>	<b>403</b>	<b>59</b>	<b>97</b>	<b>23</b>	<b>208</b>	<b>110</b>	<b>1002</b>	<b>249</b>
<b>SCIENCES AND MATHEMATICS</b>										
Mathematics	79	15	69	9	-	-	21	6	100	21
Computational Science and Engineering <sup>3</sup>	3	2	-	-	-	-	1	1	4	3
Physics	163	36	-	-	3	1	41	13	207	50
Chemistry	78	21	71	15	-	-	55	37	133	58
Chemical Engineering <sup>3</sup>	2	2	-	-	-	-	8	5	10	7
Interdisciplinary Sciences	32	7	-	-	-	-	-	-	32	7
Pharmaceutical Sciences	100	8	-	-	-	-	19	7	119	15
Biology	138	11	129	7	-	-	82	47	220	58
Physical Education and Sports <sup>3</sup>	188	8	173	7	-	-	1	1	189	9
<b>Total</b>	<b>783</b>	<b>110</b>	<b>442</b>	<b>38</b>	<b>3</b>	<b>1</b>	<b>228</b>	<b>117</b>	<b>1014</b>	<b>228</b>
<b>SYSTEM-ORIENTED SCIENCES</b>										
Earth Sciences	43	1	41	-	-	-	24	17	67	18
Environmental Sciences	135	10	131	6	-	-	48	26	183	36
Agricultural Sciences	33	4	32	3	-	-	27	14	60	18
Food Sciences	45	2	41	-	17	2	16	8	78	12
Forest Sciences	-	-	-	-	-	-	5	-	5	-
<b>Total</b>	<b>256</b>	<b>17</b>	<b>245</b>	<b>9</b>	<b>17</b>	<b>2</b>	<b>120</b>	<b>65</b>	<b>393</b>	<b>84</b>
<b>OTHER SCIENCES AND SPORT</b>										
Humanities, Social and Political Sciences	-	-	-	-	14	7	-	-	14	7
Professional Officer	36	-	36	-	-	-	-	-	36	-
Physical Education and Sports Teacher	19	-	-	-	-	-	-	-	19	-
<b>Total</b>	<b>55</b>	<b>-</b>	<b>36</b>	<b>-</b>	<b>14</b>	<b>7</b>	<b>-</b>	<b>-</b>	<b>69</b>	<b>7</b>
<b>ETH Zurich Total</b>	<b>2287</b>	<b>337</b>	<b>1285</b>	<b>106</b>	<b>220</b>	<b>87</b>	<b>606</b>	<b>328</b>	<b>3113</b>	<b>752</b>

Proportion of new entrants for foreign students per studies category in percent

14.7 8.2 39.5 54.1 24.2

<sup>1</sup> New student entrants for diploma and Bachelor's programs combined.

<sup>2</sup> Although the "Electrical engineering and information technology" program was changed over to the Bachelor's/Master's system as part of a pilot project back in winter semester 2001/02, the new student entrants were not counted as Bachelor's students. The examination rules are based, as for the diploma programs, on the general examination ordinance.

<sup>3</sup> The numbers in the "diploma students" column relate to new student entrants for diploma and Bachelor's programs.

The following entries were also recorded as a result of a change in discipline:

51 (2000), 41 (2002) and 52 (2003) into the Industrial Management & Manufacturing diploma program.

11 (2000), 5 (2002) and 24 (2003) into the Computational Science & Engineering diploma/Bachelor's program.

8 (2000), 6 (2002) and 5 (2003) into the Chemical Engineering diploma program.

5 (2000), 27 (2002) and 17 (2003) into the Physical Education & Sports diploma/Bachelor's program.

**Note:** The names of the new Bachelor's programs are used throughout.

TOTAL NUMBER OF STUDENTS BY CATEGORY  
(Undergraduates, postgraduates and doctoral candidates)

Programme	Undergraduates <sup>1</sup>				Postgraduate students				Doctoral candidates			
	00	02	03	of whom women	00	02	03	of whom women	00	02	03	of whom women
<b>CONSTRUCTION AND GEOMATICS</b>												
Architecture	1148	999	1092	463	44	93	103	51	59	73	81	32
Civil Engineering	330	318	328	58	-	-	-	-	86	79	91	13
Environmental Engineering	60	124	165	58	-	-	-	-	20	35	28	9
Geomatics and Planning	64	103	104	22	21	23	24	8	35	46	46	16
Rural Engineering and Surveying	135	19	1	1	-	-	-	-	-	-	-	-
<b>Total</b>	<b>1737</b>	<b>1563</b>	<b>1690</b>	<b>602</b>	<b>65</b>	<b>116</b>	<b>127</b>	<b>59</b>	<b>200</b>	<b>233</b>	<b>246</b>	<b>70</b>
<b>ENGINEERING SCIENCES</b>												
Mechanical Engineering	798	908	916	63	-	-	-	-	194	200	209	23
Information Technology and Electrical Eng.	747	862	906	56	28	23	18	3	224	294	305	32
Computer Science	924	1104	1020	108	-	-	-	-	113	136	146	18
Materials Science	183	176	157	46	-	-	-	-	107	88	83	17
Industrial Management and Manufacturing	229	174	200	24	150	166	192	52	60	52	54	5
<b>Total</b>	<b>2881</b>	<b>3224</b>	<b>3199</b>	<b>297</b>	<b>178</b>	<b>189</b>	<b>210</b>	<b>55</b>	<b>698</b>	<b>770</b>	<b>797</b>	<b>95</b>
<b>SCIENCES AND MATHEMATICS</b>												
Mathematics	296	357	352	101	-	-	-	-	70	73	79	14
Computational Science and Engineering	27	28	45	5	-	-	-	-	2	2	2	1
Physics	528	548	587	70	19	17	20	4	173	180	189	26
Chemistry	173	223	238	65	-	-	-	-	239	267	264	62
Chemical Engineering	39	21	18	3	-	-	-	-	47	32	32	9
Interdisciplinary Sciences	34	54	75	17	-	-	-	-	1	8	8	1
Pharmaceutical Sciences	299	298	322	264	-	-	-	-	93	103	99	58
Biology	693	737	678	324	-	-	-	-	242	266	296	131
Physical Education and Sports	33	258	390	212	-	-	-	-	-	1	1	-
<b>Total</b>	<b>2122</b>	<b>2524</b>	<b>2705</b>	<b>1061</b>	<b>19</b>	<b>17</b>	<b>20</b>	<b>4</b>	<b>867</b>	<b>932</b>	<b>970</b>	<b>302</b>
<b>SYSTEM-ORIENTED SCIENCES</b>												
Earth Sciences	223	223	225	66	-	-	-	-	124	123	112	39
Environmental Sciences	516	615	666	300	-	-	-	-	185	207	217	82
Agricultural Sciences	235	230	201	80	-	-	-	-	121	109	108	43
Food Sciences	274	269	243	156	18	17	24	19	44	45	47	26
Forest Sciences	225	174	136	31	-	-	-	-	23	36	32	12
<b>Total</b>	<b>1473</b>	<b>1511</b>	<b>1471</b>	<b>633</b>	<b>18</b>	<b>17</b>	<b>24</b>	<b>19</b>	<b>497</b>	<b>520</b>	<b>516</b>	<b>202</b>
<b>OTHER SCIENCES AND SPORT</b>												
Humanities, Social and Political Sciences	-	-	-	-	24	26	12	7	-	-	-	-
Professional Officer	90	106	120	2	-	-	-	-	-	-	-	-
Physical Education and Sports Teacher	727	642	519	262	-	-	-	-	-	-	-	-
<b>Total</b>	<b>817</b>	<b>748</b>	<b>639</b>	<b>264</b>	<b>24</b>	<b>26</b>	<b>12</b>	<b>7</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>ETH Zurich Total<sup>2</sup></b>	<b>9030</b>	<b>9570</b>	<b>9704</b>	<b>2857</b>	<b>304</b>	<b>365</b>	<b>393</b>	<b>144</b>	<b>2262</b>	<b>2455</b>	<b>2529</b>	<b>669</b>

Proportion of total number of students in percent

77.9 77.2 76.9 2.6 3.0 3.1 19.5 19.8 20.0

Proportion of women per student category in percent

29.4 36.6 26.5

<sup>1</sup> Diploma and Bachelor's degree students combined.

<sup>2</sup> Of which double registrations: 92 (2000), 90 (2002) and 84 (2003).

**Comment:** The new Bachelor's program names are used throughout.

TOTAL NUMBER OF STUDENTS IN WINTER SEMESTER 2003/2004 BY CATEGORY  
(Undergraduates, postgraduates and doctoral candidates)

Programme	Under-graduates <sup>1</sup>		of whom Bachelor's		Post-graduates		Doctoral candidates		Total students	
	of whom foreigner	of whom foreigner	of whom foreigner	of whom foreigner	of whom foreigner	of whom foreigner	of whom foreigner	of whom foreigner	of whom foreigner	of whom foreigner
	03	03	03	03	03	03	03	03	03	03
<b>CONSTRUCTION AND GEOMATICS</b>										
Architecture	1092	223	-	-	103	76	81	46	1276	345
Civil Engineering	328	23	87	-	-	-	91	54	419	77
Environmental Engineering	165	10	62	-	-	-	28	18	193	28
Geomatics and Planning	104	2	31	-	24	2	46	29	174	33
Rural Engineering and Surveying	1	-	-	-	-	-	-	-	1	-
<b>Total</b>	<b>1690</b>	<b>258</b>	<b>180</b>	<b>-</b>	<b>127</b>	<b>78</b>	<b>246</b>	<b>147</b>	<b>2063</b>	<b>483</b>
<b>ENGINEERING SCIENCES</b>										
Mechanical Engineering	916	125	470	69	-	-	209	106	1125	231
Information Technology and Electrical Eng. <sup>2</sup>	906	101	-	-	18	10	305	174	1229	285
Computer Science	1020	126	271	42	-	-	146	84	1166	210
Materials Science	157	14	69	6	-	-	83	38	240	52
Industrial Management and Manufacturing	200	21	-	-	192	40	54	27	446	88
<b>Total</b>	<b>3199</b>	<b>387</b>	<b>810</b>	<b>117</b>	<b>210</b>	<b>50</b>	<b>797</b>	<b>429</b>	<b>4206</b>	<b>866</b>
<b>SCIENCES AND MATHEMATICS</b>										
Mathematics	352	46	75	10	-	-	79	25	431	71
Computational Science and Engineering	45	7	12	3	-	-	2	2	47	9
Physics	587	100	-	-	20	6	189	75	796	181
Chemistry	238	58	139	29	-	-	264	165	502	223
Chemical Engineering	18	5	-	-	-	-	32	17	50	22
Interdisciplinary Sciences	75	14	-	-	-	-	8	4	83	18
Pharmaceutical Sciences	322	19	-	-	-	-	99	39	421	58
Biology	678	62	143	10	-	-	296	157	974	219
Physical Education and Sports	390	19	309	14	-	-	1	-	391	19
<b>Total</b>	<b>2705</b>	<b>330</b>	<b>678</b>	<b>66</b>	<b>20</b>	<b>6</b>	<b>970</b>	<b>484</b>	<b>3695</b>	<b>820</b>
<b>SYSTEM-ORIENTED SCIENCES</b>										
Earth Sciences	225	13	50	-	-	-	112	67	337	80
Environmental Sciences	666	48	147	6	-	-	217	110	883	158
Agricultural Sciences	201	9	34	3	-	-	108	44	309	53
Food Sciences	243	18	46	-	24	3	47	21	314	42
Forest Sciences	136	4	-	-	-	-	32	5	168	9
<b>Total</b>	<b>1471</b>	<b>92</b>	<b>277</b>	<b>9</b>	<b>24</b>	<b>3</b>	<b>516</b>	<b>247</b>	<b>2011</b>	<b>342</b>
<b>OTHER SCIENCES AND SPORT</b>										
Humanities, Social and Political Sciences	-	-	-	-	12	4	-	-	12	4
Professional Officer	120	-	58	-	-	-	-	-	120	-
Physical Education and Sports Teacher	519	10	-	-	-	-	-	-	519	10
<b>Total</b>	<b>639</b>	<b>10</b>	<b>58</b>	<b>-</b>	<b>12</b>	<b>4</b>	<b>-</b>	<b>-</b>	<b>651</b>	<b>14</b>
<b>ETH Zurich Total</b>	<b>9704</b>	<b>1077</b>	<b>2003</b>	<b>192</b>	<b>393</b>	<b>141</b>	<b>2529</b>	<b>1307</b>	<b>12626</b>	<b>2525</b>
Proportion of foreign students per studies category in percent		11.1		9.6		35.9		51.7		20.0

<sup>1</sup> Diploma and Bachelor's students combined.

<sup>2</sup> Although the "Electrical engineering and information technology" program was changed over to the Bachelor's/Master's system as part of a pilot project back in winter semester 2001/02, the students were not counted as Bachelor's students. The examination rules are based, as for the diploma programs, on the general examination ordinance.

**Note:** The names of the new Bachelor's programs are used throughout.

UNDERGRADUATES (INCL. BACHELOR'S DEGREE) IN WINTER SEMESTER 2003/2004 BY PLACE OF ORIGIN

Swiss and foreign students with type C residence by canton of domicile prior to enrollment

Department	ARCH	BAUG	MAVT	ITET	INFK	MATL	BEPR	MATH	PHYS	CHAB	BIOL <sup>1</sup>	TuSport	ERDW	UMNW	AGRL	FOWI	GESS	Total
Zurich	300	150	180	235	290	35	53	111	141	188	349	163	61	195	118	26	17	<b>2612</b>
Berne	94	53	78	73	50	17	14	14	26	37	54	10	12	78	32	17	12	<b>671</b>
Lucerne	62	39	56	57	67	14	10	24	24	36	54	47	17	38	24	4	4	<b>577</b>
Uri	7	6	5	13	5	3		2	3	3	3	4	6	2	6		2	<b>70</b>
Schwyz	11	13	21	24	29	8	5	5	12	20	28	20	8	11	14	3	3	<b>235</b>
Obwalden	2	2	8	1	2		1	3	7	3	6	5	3	5	4	4	2	<b>58</b>
Nidwalden	2	3	7	6	6	1		3	1		9	3	1	4	2	1		<b>49</b>
Glarus	5	6	2	5	4	1		3	2	3	11	9	1	5	1	1		<b>59</b>
Zug	31	14	25	21	24	2	4	11	8	22	27	18	5	15	10		6	<b>243</b>
Fribourg	14	7	8	9	9	1	4	1	8	4	9	4	2	6	15	3	6	<b>110</b>
Solothurn	23	18	22	23	36	6	6	8	11	16	26	15	4	26	16	5	6	<b>267</b>
Basel-Stadt	45	12	13	29	19	2	2	1	7	5	8	5		10	8	1	3	<b>170</b>
Basel-Landschaft	41	20	30	40	51	4	11	7	22	6	20	14	4	20	22	4	3	<b>319</b>
Schaffhausen	11	13	20	7	18	3	3	6	8	8	22	9	5	14	4		1	<b>152</b>
Appenzell A.Rh.	5	3	10	17	5	2	1	3	5	2	8	6	3		4	2		<b>76</b>
Appenzell I.Rh.	1	4	9	5	2			1	1		5			3	1			<b>32</b>
St. Gallen	61	40	80	69	77	15	11	31	44	33	91	32	13	44	25	8	6	<b>680</b>
Graubünden	37	43	36	25	37	3	5	18	26	33	45	25	18	26	19	14	7	<b>417</b>
Aargau	76	50	81	86	109	9	26	28	55	66	109	56	10	53	31	8	13	<b>866</b>
Thurgau	25	17	24	34	46	4	7	11	19	32	35	26	8	22	12	4	1	<b>327</b>
Ticino	27	37	63	31	45	10	7	50	36	41	64	38	10	27	20	14	13	<b>533</b>
Vaud	9	5	3	1	3	1	6	2	6	7	2		2	5	12	3	6	<b>73</b>
Valais	10	10	13	11	11	2	7	13	20	13	20	6	15	8	8	4	6	<b>177</b>
Neuchâtel	2	1	2	1	1			1	3	1			1	3	3	2	3	<b>24</b>
Genève	4	3	2		1	1			5	1			1	5	6	3		<b>32</b>
Jura	1	1	2	1	1	2	1	2	4	1	4			1	3	3		<b>27</b>
Outside Switzerland	15	5	18	16	5	1	1	9	9	12	14	1	4	5	6			<b>121</b>
<b>Total</b>	<b>921</b>	<b>575</b>	<b>818</b>	<b>840</b>	<b>953</b>	<b>147</b>	<b>185</b>	<b>368</b>	<b>513</b>	<b>593</b>	<b>1023</b>	<b>516</b>	<b>214</b>	<b>631</b>	<b>426</b>	<b>134</b>	<b>120</b>	<b>8977</b>
% Total <sup>2</sup>	10	6	9	9	11	2	2	4	6	7	11	6	2	7	5	1	1	100

Breakdown by Swiss citizens and foreign students with type C residence

Swiss citizens	869	563	791	805	894	143	179	344	487	557	987	509	212	618	417	132	120	<b>8627</b>
For. students type C	52	12	27	35	59	4	6	24	26	36	36	7	2	13	9	2		<b>350</b>

Foreign students without type C residence by nationality

Germany	119	11	55	22	20	5	8	12	52	27	22	2	4	17	2	1		<b>379</b>
Austria	9	1	9	5	11	1	1	2	12	7	5		2	4	1			<b>70</b>
Luxembourg	8	4	8	1	4			2	2	4	3			4	1			<b>41</b>
France			5	5	1		1	1		1	1		1	1				<b>17</b>
Italy	3		3				1	1	2	1								<b>11</b>
Rest of EU	3		3	3	1		2	1		4	2			2	1			<b>22</b>
Liechtenstein	2	2	3	4	5			2	1		3		1	2	2	1		<b>28</b>
Rest of Europe	12	3	6	11	9	1	1	4	2	10	5	1	1	3	3			<b>72</b>
China	4	1	1	7	5	1	1	2		3	2			2	1			<b>30</b>
Rest of Asia	9	1	1	7	6	1			1	2			1	4				<b>33</b>
America	2		3	1	4	1		1	2		2		1	2				<b>19</b>
Africa			1		1			1							1			<b>4</b>
Australia										1								<b>1</b>
<b>Total</b>	<b>171</b>	<b>23</b>	<b>98</b>	<b>66</b>	<b>67</b>	<b>10</b>	<b>15</b>	<b>29</b>	<b>74</b>	<b>60</b>	<b>45</b>	<b>3</b>	<b>11</b>	<b>35</b>	<b>18</b>	<b>2</b>		<b>727</b>
% Total <sup>2</sup>	24	3	13	9	9	1	2	4	10	8	6	0	2	5	2	0	0	100
<b>Grand total</b>	<b>1092</b>	<b>598</b>	<b>916</b>	<b>906</b>	<b>1020</b>	<b>157</b>	<b>200</b>	<b>397</b>	<b>587</b>	<b>653</b>	<b>1068</b>	<b>519</b>	<b>225</b>	<b>666</b>	<b>444</b>	<b>136</b>	<b>120</b>	<b>9704</b>

<sup>1</sup> Departement Applied Biosciences excluding phys. ed. and sports teachers and Phys. Ed. and Sports

<sup>2</sup> Percentages individually rounded

EXCHANGE SERVICE

	2001/02 Number	2002/03 Number
<b>SWISS MOBILITY PROGRAMME</b>		
ETH Zurich diploma students at host inst. of higher education	38	34
External students at ETH Zurich	31	49
<b>ERASMUS EUROPEAN MOBILITY SCHEME</b>		
ETH Zurich diploma students at host inst. of higher education	90	120
External students at ETH Zurich	170	180
<b>OTHER EXCHANGE PROGRAMS &amp; AGREEMENTS</b>		
Advanced diploma students and graduates of ETH Zurich at foreign institutions of higher education	30	31
Advanced diploma students and graduates of foreign institutions of higher education at ETH Zurich		
Other exchange programs	57	47
Funds and foundations	7	13
Sabbaticals (1 to 3 months)	11	3
<b>SWISS FEDERAL GOVERNMENT SCHOLARSHIPS</b>		
Swiss Federal Government Scholarship students (men)	11	13
Swiss Federal Government Scholarship students (women)	12	11
Doctoral candidates & postgraduates	4	4
Guest students	19	20
Recipients from developing countries	15	14
Recipients from other countries	8	10

STUDENT EXCHANGE: PRACTICAL EXPERIENCE IN FOREIGN COUNTRIES (IAESTE)

Participating countries	57	62
Students from Switzerland in foreign countries	183	189
number of such students from ETH Zurich	90	82
Swiss institutions of higher education participating in exchange	21	22
Swiss companies participating in exchange	100	94
Total no. of foreign students received in Switzerland	232	207

STUDENT PLACEMENT SERVICE

	2001/02 Number	2003 Number
<b>BASIC WORKSHOP COURSES (D-MAVT, D-MATL)</b>		
Number of courses	135	112
Provider companies	122	106
Participants (diploma students)	229	203

## PSYCHOLOGICAL COUNSELLING SERVICE

	2002	2003
CLIENTS: UNIVERSITY/ETH		
University	432	446
ETH	162	153
<b>Total</b>	<b>594</b>	<b>599</b>

University, women	284	293
ETH, women	72	68
University, men	148	153
ETH, men	90	85

### CLIENTS BY GENDER

Women	356	361
Men	238	238

### CLIENTS BY SEMESTER

Start of studies, semesters 1-2	118	111
Middle of studies	208	246
End of studies*	201	167
Doctoral/postgraduate/assistants	67	75
Other	24	11

\*Licentiate/diploma students and higher semesters:  
University from 10th semester, ETH from 7th semester

## HOUSING OFFICE

	1999/2000	2000/01	2002	2003
STUDENT ADVICE, UNIVERSITY/ETH ZURICH				
Visits by students seeking advice	ca. 800	ca. 800	ca. 800	ca. 800
Swiss Federal Government Scholarships	66 37 Uni/29 ETH 24 W/42 M	59 37 Uni/22 ETH 31 W/28 M	50 28 Uni/22 ETH 28 W/22 M	53 29 Uni/24 ETH 24 W/29 M
Grants from the assistance scheme / from the solidarity fund	49	41	41	32

### HOUSING OFFICE UNIVERSITY/ETH ZURICH

Number of rooms registered	1177	941	1206	1197
Number of flats registered	1136	668	1012	1188
Number of houses registered	20	17	37	40
Number of other premises registered	-	17	24	16

### FLATS FOR GUESTS OF ETH ZURICH

Furnished flats for guest professors	-	-	-	50
Number of changes of occupancy	84/96	99/101	96/87	118/107
Furnished rooms for guest students	25	34	34	34
Number of changes of occupancy	48/46	44/51	51/48	52/47
Furnished studio flats for foreign doctoral candidates at ETH and University	-	-	-	18
Furnished rooms for foreign exchange students at the University	-	-	-	4

## LABOUR FORCE BY SOURCE OF FUNDING

Posts in the departments (full-time equivalents, cut-off date 31 December 2003)

D = Department	Own budget funding	2002 Third- party funding	Total	Own budget funding	2003 Third- party funding	Total
<b>CONSTRUCTION AND GEOMATICS</b>						
D-Architecture	284	15	299	270	15	286
D-Civil, Environmental and Geomatics Eng.	334	62	396	321	85	405
<b>Total no. of posts</b>	<b>618</b>	<b>77</b>	<b>695</b>	<b>591</b>	<b>100</b>	<b>691</b>
<b>ENGINEERING SCIENCES</b>						
D-Mechanical Engineering	319	56	375	310	82	392
D-Information Technology and Electrical Eng.	321	126	447	317	140	457
D-Computer Science	186	30	216	213	36	249
D-Materials Science	134	34	168	134	34	168
D-Industrial Management and Manufacturing	104	46	150	87	42	129
<b>Total no. of posts</b>	<b>1064</b>	<b>292</b>	<b>1356</b>	<b>1061</b>	<b>334</b>	<b>1395</b>
<b>SCIENCES AND MATHEMATICS</b>						
D-Mathematics	188	17	205	198	18	216
D-Physics	322	100	422	329	110	439
D-Chemistry and Applied Biosciences	433	103	536	455	98	553
D-Biology	262	97	359	264	139	403
<b>Total no. of posts</b>	<b>1205</b>	<b>317</b>	<b>1522</b>	<b>1246</b>	<b>365</b>	<b>1611</b>
<b>SYSTEM-ORIENTED SCIENCES</b>						
D-Earth Sciences	175	69	244	158	67	225
D-Environmental Sciences	242	44	286	229	50	279
D-Agriculture and Food Sciences	269	66	335	268	78	346
D-Forest Sciences	84	7	91	81	12	93
<b>Total no. of posts</b>	<b>770</b>	<b>186</b>	<b>956</b>	<b>736</b>	<b>207</b>	<b>943</b>
<b>OTHER SCIENCES</b>						
D-Humanities, Social and Political Sciences	107	88	195	115	92	207
<b>Total no. of posts</b>	<b>107</b>	<b>88</b>	<b>195</b>	<b>115</b>	<b>92</b>	<b>207</b>
Interdisciplinary projects	13	55	68	20	65	85
Central scientific services	392	8	400	391	3	394
<b>DEPARTMENTS, INTERDISCIPLINARY PROJECTS AND CENTRAL SCIENTIFIC SERVICES</b>						
<b>Total no. of posts</b>	<b>4169</b>	<b>1023</b>	<b>5192</b>	<b>4160</b>	<b>1166</b>	<b>5326</b>
Executive Board and Administration	188	13	201	183	24	207
Management of real estimates	361	1	362	354	1	355
Other staff (ETH Assistants Assoc., AVETHZ, etc.)	0	3	3	1	2	3
<b>Total no. of posts (full-time equivalents)</b>	<b>4718</b>	<b>1040</b>	<b>5758</b>	<b>4698</b>	<b>1193</b>	<b>5891</b>



## BREAKDOWN OF ESTABLISHMENT

(full-time equivalents, cut-off date 31 December 2003)

	Women	2002 Men	Total	Women	2003 Men	Total
<b>1. PROFESSORIAL POSTS</b>						
Full professorships	10	256	266	12	266	278
Associate professorships	2	13	15	1	13	14
Assistant professorships	12	47	59	12	52	64
<b>Total no. of posts (1)</b>	<b>24</b>	<b>316</b>	<b>340</b>	<b>25</b>	<b>331</b>	<b>356</b>
of which limited-tenure posts	12	47	59	12	52	64
of which part-time posts	2	18	20	2	17	19
<b>2. TEACHING AND RESEARCH</b> (Departments, Institutes, Professorships, Interdiscip. projects)						
Assistants/scientific staff	768	2549	3317	749	2580	3329
Technical and administrative staff	371	493	864	426	571	997
Teaching/research assistants	74	197	271	72	178	250
<b>Total no. of posts (2)</b>	<b>1213</b>	<b>3239</b>	<b>4452</b>	<b>1247</b>	<b>3329</b>	<b>4576</b>
of which limited-tenure posts	905	2506	3411	917	2600	3517
of which part-time posts	771	1207	1978	808	1199	2007
<b>3. CENTRAL SCIENTIFIC SERVICES</b>						
ETH Library	89	78	167	93	80	173
Computing Services	26	143	169	27	143	170
SCSC Manno	5	29	34	3	18	21
Didactic Centre, Centre for Continuing Education						
Centro Stefano Franscini, Educational NET, ETH Tools	9	13	22	9	14	23
Collegium Helveticum	4	4	8	4	3	7
<b>Total no. of posts (3)</b>	<b>133</b>	<b>267</b>	<b>400</b>	<b>136</b>	<b>258</b>	<b>394</b>
of which limited-tenure posts	27	57	84	28	46	74
of which part-time posts	75	71	146	83	70	153
<b>Subtotal, posts (1-3)</b>	<b>1370</b>	<b>3822</b>	<b>5192</b>	<b>1408</b>	<b>3918</b>	<b>5326</b>
<b>4. EXECUTIVE BOARD, ADMINISTRATION, ORGANISATION</b>						
Executive Board and Staff Offices, Corporate Communications, Legal Office, Information Management Office	41	34	75	44	38	82
Rector's Office	33	12	45	33	12	45
Personnel Office, Finance Office	23	22	45	20	26	46
Organisation (Buildings Office, Organisation Office, Services Office, Real Estate Office, Safety and Security Office)	19	17	36	18	16	34
Management of real estimates	104	258	362	98	257	355
Other staff (ETH Assistants Association, AVETHZ, etc.)	1	2	3	1	2	3
<b>Total no. of posts (4)</b>	<b>221</b>	<b>345</b>	<b>566</b>	<b>214</b>	<b>351</b>	<b>565</b>
of which limited-tenure posts	41	41	82	33	44	77
of which part-time posts	123	40	163	117	44	161
<b>Grand total (1-4) no. of posts (full-time equivalents)</b>	<b>1591</b>	<b>4167</b>	<b>5758</b>	<b>1622</b>	<b>4269</b>	<b>5891</b>
of which limited-tenure posts	985	2651	3636	990	2742	3732
of which part-time posts	972	1321	2293	1012	1316	2328
Apprentices, placement students	46	78	124	52	84	136

## UNDERGRADUATES, POSTGRADUATES AND DOCTORAL CANDIDATES PER PROFESSORSHIP

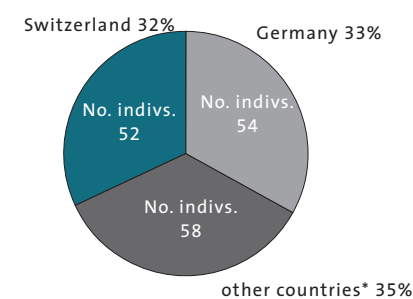
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Number of undergraduates <sup>1</sup> , postgraduates and doctoral candidates	11 444	11 730	11 627	11 691	11 733	11 819	11 653	11 596	11 927	12 390	12 626
Number of professorships (in FTE <sup>2</sup> )	319	327	325	328	335	328	332	333	343	340	356
Number of undergraduates <sup>1</sup> , postgraduates and doctoral candidates per professorship	35.90	35.90	35.80	35.60	35.00	36.00	35.10	34.80	34.80	36.40	35.50

<sup>1</sup> incl. Bachelor students

<sup>2</sup> Full-time jobs

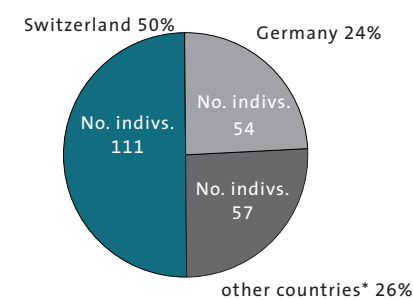
## PROFESSORSHIPS: NATIONALITY

Professors taking office from 1998–2003



* Nationalities			
Austria	8	India	1
Argentina	1	Israel	1
Benelux	5	Croatia	1
Canada	1	Russia	1
France	7	Scandinavia	3
Great Britain	5	Spain	3
Ghana	1	Turkey	2
Greece	2	Hungary	1
Italy	5	USA	10

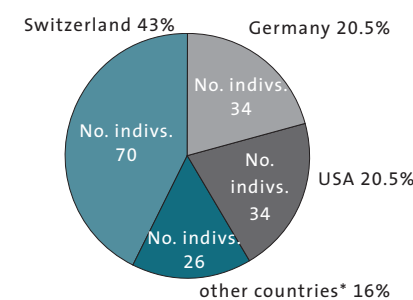
Professors taking office from 1990–1997



* Nationalities			
Austria	9	Italy	7
Benelux	6	Israel	2
Canada	4	Scandinavia	3
France	4	South Africa	1
Great Britain	6	Turkey	1
Greece	1	USA	13

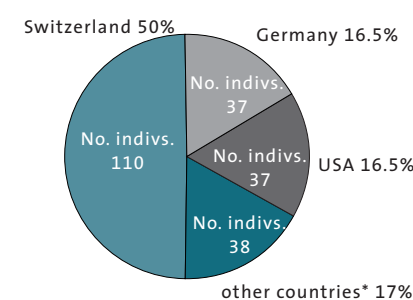
## PROFESSORSHIPS: COUNTRY OF RECRUITMENT

Professors taking office from 1998–2003



* Nationalities			
Austria	3	Greece	1
Benelux	5	Italy	1
Canada	2	Japan	1
France	4	Scandinavia	2
Great Britain	6	Spain	1

Professors taking office from 1990–1997



* Nationalities			
Austria	3	Great Britain	10
Australia	1	Italy	4
Benelux	6	Israel	2
Canada	3	Mexico	1
France	6	New Zealand	1
Principality of Liechtenstein	1		

## INTERNATIONAL RESEARCH COLLABORATION

### 5<sup>TH</sup> EU FRAMEWORK PROGRAMME

	Number of projects 2003	Bound contribution OFES CHF 1000
<b>FIFTH RTD FRAMEWORK PROGRAMME 1998-2002*</b>		
Quality of life and management of living resources	30	10 605
User-friendly information society	52	23 453
Competitive and sustainable growth	16	4 943
Energy, environment and sustainable development	35	10 266
Improving human research potential and the socio-economic knowledge base	20	4 384
Confirming the international role of Community research Euratom	1	48
	4	436
<b>Total Fifth RTD Framework Programme</b>	<b>158</b>	<b>54 135</b>

\* Source Swiss Federal Office for Education and Science, OFES, 4 December 2003.

### PROJECTS EVALUATED BY THE ETH ZURICH RESEARCH COMMISSION IN 2003

	No. of applications submitted	of which (partially) approved	Amount approved in CHF thousand
ETH research projects	123	63	14 274
Swiss National Science Foundation research projects	250	Assessment transferred to SNSF*	
Swiss National Science Foundation Scholarships Young researchers	62	48	1 779
Swiss National Science Foundation Scholarships Advanced researchers	4	3	170

\*Swiss National Science Foundation

### PROJECTS EVALUATED BY THE ETH ZURICH ETHICS COMMISSION IN 2003

Submitted	21
Approved without/after revision	18/3

## DIPLOMAS ETH ZÜRICH

Programme	2000 Total	2002 Total	Women	2003 Men	Total
Architecture	207	233	51	79	130
Civil Engineering	79	63	8	47	55
Environmental Engineering			2	7	9
Civil, Environmental and Geomatics Engineering			5	19	24
Rural Engineering and Surveying	36	53	3	14	17
Mechanical Engineering	92	70	6	103	109
Information Technology and Electrical Engineering*	93	83	8	110	118
Computer Science	52	87	9	106	115
Materials Science	21	24	5	25	30
Industrial Management and Manufacturing	63	78	2	35	37
Mathematics	44	36	9	23	32
Computational Science and Engineering	6	3	0	8	8
Physics	72	75	6	51	57
Chemistry	37	25	5	21	26
Chemical Engineering	8	5		8	8
Interdisciplinary Sciences	8	4	3	2	5
Biology	90	87	42	71	113
Pharmaceutical Sciences**	52	45	41	11	52
Physical Education and Sports		9	5	4	9
Earth Sciences	36	29	10	20	30
Environmental Sciences	66	63	21	38	59
Agricultural Sciences	52	35	20	21	41
Food Sciences	34	45	29	20	49
Forest Sciences	43	38	4	26	30
<b>ETH Zurich Total</b>	<b>1191</b>	<b>1190</b>	<b>294</b>	<b>869</b>	<b>1163</b>
* of which Master				1	1
** of which state examination	51	45	39	11	50

### DOCTORATES

	2000 Total	2002 Total	Women	2003 Men	Total
<b>CONSTRUCTION AND GEOMATICS</b>					
Architecture	2	4	2	1	3
Civil, Environmental and Geomatics Engineering	26	28	2	18	20
<b>Total</b>	<b>28</b>	<b>32</b>	<b>4</b>	<b>19</b>	<b>23</b>
<b>ENGINEERING SCIENCES</b>					
Mechanical and Process Engineering	29	45	2	46	48
Information Technology and Electrical Engineering	69	43	2	37	39
Computer Science	20	17		20	20
Materials Science	23	20	6	23	29
Industrial Management and Manufacturing	13	12		9	9
<b>Total</b>	<b>154</b>	<b>137</b>	<b>10</b>	<b>135</b>	<b>145</b>
<b>SCIENCES AND MATHEMATICS</b>					
Mathematics	9	19	1	8	9
Physics	48	40	4	27	31
Chemistry and Applied Biosciences <sup>1</sup>	93	83	23	50	73
Biology	68	60	13	26	39
<b>Total</b>	<b>218</b>	<b>202</b>	<b>41</b>	<b>111</b>	<b>152</b>
<b>SYSTEM-ORIENTED SCIENCES</b>					
Earth Sciences	20	29	10	18	28
Environmental Sciences	57	42	14	23	37
Agriculture and Food Sciences	40	38	16	21	37
Forest Sciences	6	3		7	7
<b>Total</b>	<b>123</b>	<b>112</b>	<b>40</b>	<b>69</b>	<b>109</b>
<b>ETH Zurich Total</b>	<b>523</b>	<b>483</b>	<b>95</b>	<b>334</b>	<b>429</b>

<sup>1</sup> of which promotions in Pharmaceutical Sciences: 23 (2000), 23 (2002), 19 (2003).

## FEDERAL DIPLOMAS

(without pharmaceutical state examination)

Programme	2000	2002	Women	2003	Total
	Total	Total		Men	
Physical Education and Sports Teacher / Diploma I	3	11	4	10	14
Physical Education and Sports Teacher / Diploma II	120	120	62	63	125
Professional Officer	27	17		29	29
<b>ETH Zurich Total</b>	<b>150</b>	<b>148</b>	<b>66</b>	<b>102</b>	<b>168</b>

## CERTIFICATES IN COMPLEMENTARY STUDIES 2003

Programme	2000	2002	Women	2003	Total
	Total	Total		Men	
Physical Education and Sports Teacher	21	17	18	9	27
<b>ETH Zurich Total</b>	<b>21</b>	<b>17</b>	<b>18</b>	<b>9</b>	<b>27</b>

The program complements the physical education and sports teacher diploma I and II, lasts at least two years and offers options in three areas: Adapted Physical Activities, Business Administration and Training & Coaching.

## TEACHING & PROFICIENCY CERTIFICATES

Programme	2000	2002	Women	2003	Total
	Total	Total		Men	
Architecture	2	0	0	0	0
Civil Engineering	1	0	0	0	0
Mechanical Engineering	2	2	0	3	3
Information Technology and Electrical Engineering	5	1	1	4	5
Computer Science	2	4	0	4	4
Industrial Management and Manufacturing	1	0	0	0	0
Materials Science	0	1	0	0	0
Mathematics	3	9	3	6	9
Physics	6	7	1	7	8
Chemistry	6	2	4	2	6
Biology	11	6	4	4	8
Physical Education and Sports Teacher	0	0	0	1	1
Earth Sciences	3	3	1	2	3
Environmental Sciences	14	2	4	7	11
Agricultural Sciences	10	6	4	1	5
Food Sciences	6	1	1	1	2
Forest Sciences	1	0	0	1	1
<b>ETHZ Total</b>	<b>73</b>	<b>44</b>	<b>23</b>	<b>43</b>	<b>66</b>

This additional course of study may be completed during or after the specialist subject study.

The teaching certificate awarded when the examination is passed is issued to students once they have completed their diploma.

## CERTIFICATES OF COMPLETED POSTGRADUATE STUDIES

(Postgraduate diploma with title)

Programmes	Total		Women 2003		Men 2003		Total
	2001	2002	CH	Foreign	CH	Foreign	
Architecture	20	22	4	18	12	16	50
Spatial Planning	19	3	3	1	13	3	20
Hydraulic Schemes	-	25	-	-	-	-	-
Hydrology and Water Resources Management	-	8	1	1	-	1	3
Information Theory	5	7		1	4	2	7
Occupational Health	3	12	3	1	8	-	12
Industrial Engineering and Management	54	56	7	2	39	6	54
Intellectual Property	10	12	-	9	2	2	13
Medical Physics	2	10	-	-	2	-	2
Human Nutrition	14	8	6	3	2	-	11
Development Cooperation	4	13	-	2	2	1	5
<b>Grand total</b>	<b>131*</b>	<b>176</b>	<b>24</b>	<b>38</b>	<b>84</b>	<b>31</b>	<b>177</b>

\* 1 of which with certificate without title

A postgraduate diploma (NDS) is an organised program of study lasting one year of full-time study or two years if studied on an in-service basis and comprises at least 600 contact hours (lectures, practicals and other supervised activities) together with a dissertation lasting 3–4 months. On successful completion of the program, the title "Dipl. NDS ETHZ in ..." is awarded. Due to the limited availability of work, laboratory and practical training positions, entry to most postgraduate diploma programs is restricted. The number of participants thus cannot be increased at will, despite sufficient demand.

## CERTIFICATES OF COMPLETION OF POSTGRADUATE COURSES

Postgraduate Course	Total		Women 2003		Men 2003		Total
	2001	2002	CH	Foreign	CH	Foreign	
Space as a factor of decision making	-	9	-	-	-	-	-
Spatial Information System	21	18	7	-	16	1	24
Risk and Safety	-	35	-	-	-	-	-
Informatics (Computer Science)	9	13	2	1	12	1	16
Applied Statistics	27	1	10	5	18	1	34
Radiopharmacy Radiopharmaceut. Chemistry	-	9	-	-	-	-	-
Applied Earth Science	1	2	-	2	5	-	7
Development Cooperation	17	19	5	2	3	1	11
E-Learning	-	-	1	1	1	-	3
<b>Gesamttotal</b>	<b>75</b>	<b>106</b>	<b>25</b>	<b>11</b>	<b>55</b>	<b>4</b>	<b>95</b>

A postgraduate course (NDK) is an organised training program at an academic level provided on an in-service basis, generally in modular form, and comprises at least 200 hours' study and, at most, a relatively short written dissertation. Due to the limited availability of work, laboratory and practical training positions, entry to most postgraduate courses is restricted. The number of participants thus cannot be increased at will, despite sufficient demand.

