

**Third European Report
on Science & Technology Indicators
2003**

Towards a knowledge-based economy

	Nr. of publications	Nr. of citations	Field norm. citation score	Agriculture & Food Sc.	Basic Life Sc.	Biological Sc.	Biomedical Sc.	Clinical Med.	Earth & Environ. Sc.	Engineering	Chemistry	Physics & Astronomy	Mathematics & Statistics	Computer Sc.
Spain				P	C	I								
Autonomous Univ. Barcelona	4 803	16 803	0.84											
Autonomous Univ. Madrid	6 723	32 918	0.99											
CSIC	16 133	50 681	0.86											
Hosp. San Pablo & Santa Cruz	870	3 264	0.84											
Inst. Astrofis. Canary Island	820	3 393	0.89											
Municipal Inst. Medical Investigations	250	803	0.93											
Polytech Univ. Madrid	1 953	3 475	0.75											
Polytech. Univ. Catalonia	2 476	4 558	0.85											
Res. C. for Energy and Env. Technology	635	3 928	1.99											
Univ. Zaragoza	3 807	8 655	0.76											
Univ. Barcelona	9 678	33 705	0.84											
Univ. Basque Country	3 564	7 789	0.68											
Univ. Carlos III Madrid	1 681	4 531	0.75											
Univ. Complutense Madrid	8 274	22 444	0.70											
Univ. Cordoba	2 194	4 919	0.58											
Univ. Granada	4 222	8 690	0.56											
Univ. Murcia	2 258	6 153	0.66											
Univ. Santiago de Compostela	3 866	8 983	0.69											
Univ. Sevilla	3 626	8 523	0.63											
Univ. Valencia	5 620	18 964	0.91											
Sweden				P	C	I								
Astra Hassle AB	597	3 040	1.11											
Chalmers Univ. of Technology	5 052	15 938	1.08											
Karolinska Inst.	15 434	116 900	1.22											
Lulea Tech. Univ.	903	1 505	0.97											
Nat. Vet. Inst.	389	1 302	0.96											
Onsala Space Observatory	141	669	0.96											
Orebro Hospital	555	2 801	1.03											
Royal Inst. of Technology	5 041	14 217	1.02											
Stockholm Observatory	206	924	1.18											
Swedish Inst. Space Physics	159	567	0.76											
Swedish Museum of National History	365	1 641	1.30											
Swedish Natl. Inst. for the Work. Life	338	338	0.76											
Swedish Pulp & Paper Research Inst.	235	409	1.02											
Swedish Univ. Agr. Sciences	4 537	15 781	0.97											
Umea Univ.	4 903	28 185	1.12											
Univ. Gothenburg	10 791	56 675	1.08											
Univ. Lund	16 341	83 179	1.07											
Univ. Stockholm	8 588	43 391	1.05											
Univ. Uppsala	13 438	70 035	1.08											
Uppsala Astronomical Observatory	178	1 286	1.35											

Source: DG-Research

Data: ISI, CWTS (treatments)

Note: Period for publications and citations 1993-1999, citations excluding author self-citations. The overall relative citation impact score represents the aggregate of all broad scientific fields. On the level of broad fields, only those institutions have been taken into account which surpassed an output threshold of at least 70 publications during the period. The colouring signals the following:

- most actively publishing institution in field by country
- at least 25 % of total publication output across the 11 broad fields is within the marked field
- highest number of citations in field by country
- impact above world average (≥ 1.20)
- highest impact score in country by field, but below 1.20

Table 5.5.2 Top 10 most important and actively publishing research institutions in smaller EU Member States

	Nr. of publications	Nr. of citations	Field norm. citation score	Agriculture & Food Sc.	Basic Life Sc.	Biological Sc.	Biomedical Sc.	Clinical Med.	Earth & Environ. Sc.	Engineering	Chemistry	Physics & Astronomy	Mathematics & Statistics	Computer Sc.
Belgium	P	C	I											
Belgian Nuclear Research Center	180	153	0.34											
Free Univ. Brussels (1)	10 538	53 564	1.07											
Inst. Tropical Med. Prince Leopold	702	3 640	1.28											
Interuniv. Microelec. Center, Leuven	959	1 917	0.88											
KUL Katholieke Univ. Leuven	15 420	68 876	1.07											
Limburg Univ. Center	765	2 527	1.04											
State Univ. Ghent	7 285	30 131	1.09											
UCL Univ. Catholique de Louvain	3 914	26 219	1.30											
Univ. Antwerp	5 133	25 083	1.20											
Univ. Liège	5 357	19 805	0.87											
Denmark	P	C	I											
Danish Inst. Agricultural Sciences	554	746	0.85											
Niels Bohr Inst.	1 311	7 193	1.42											
Riso Natl. Lab.	1 987	8 991	1.53											
Royal Danish School of Pharmacy	801	3 116	0.82											
Tech. Univ. Denmark	4 342	16 138	1.24											
Univ. Aalborg	986	2 299	1.06											
Univ. Aarhus	8 245	43 295	1.09											
Univ. Copenhagen	11 667	63 432	1.02											
Univ. South Jutland	3 425	17 204	1.04											
Vet. and Agr. Univ. Frederiksberg	2 716	8 415	0.92											
Finland	P	C	I											
Abo Academy Univ.	1 376	3 371	0.80											
Finnish Forest Res. Inst.	475	1 101	1.02											
Finnish Meteorol. Inst.	306	1 020	0.92											
Helsinki Univ. Tech.	2 882	8 646	1.15											
Natl. Public Health Inst.	2 349	16 035	1.33											
Tampere Univ. Tech.	807	1 545	0.83											
Univ. Helsinki	13 446	81 531	1.29											
Univ. Jyväskylä	1 677	3 997	0.82											
Univ. Kuopio	2 726	15 052	1.18											
Univ. Turku	5 948	25 876	0.95											
Austria	P	C	I											
Agro Univ. Vienna	1 224	4 527	1.02											
Tech. Univ. Graz	1 897	4 550	0.88											
Tech. Univ. Vienna	4 268	11 037	1.00											
Univ. Graz	4 383	17 698	0.89											
Univ. Innsbruck	5 505	27 342	1.03											
Univ. Linz	1 435	3 672	0.98											
Univ. Min. Metall Leoben	425	376	0.52											
Univ. Salzburg	703	2 229	0.73											
Univ. Veterinary Medicine Vienna	693	1 084	0.61											
Univ. Vienna	12 485	50 255	0.92											