

■ Table 1.1.2

R&D expenditure of the Federal Republic of Germany and funding thereof¹

Year	Financed by				Total R&D expenditure
	Territorial authorities ²		Business enterprises ³	Private non-profit institutions ⁴	
	Millions of €	R&D expenditure in percent of the overall government budget ⁵	Millions of €		Millions of €
1965	1,915	2.7	2,076	48	4,039
1970	3,528	3.5	3,891	97	7,516
1975	6,153	3.4	6,029	159	12,341
1980	8,194	3.1	10,172	61	18,427
1985	10,587	3.4	15,896	68	26,551
1990	12,729	3.2	22,081	182	34,992
1995	15,735	2.6	24,733	104	40,572
2000	16,229	2.7	34,333	208	50,770
2001	16,814	2.8	35,095	222	52,131
2002	17,210	2.8	35,904	242	53,356
2003	17,136	2.8	38,060	176	55,372
2004	16,791	2.7	38,394	208	55,393
2005	16,761	2.7	39,569	164	56,494
2006	17,310	2.7	42,281	211	59,802
2007	18,183	2.8	43,768	217	62,168
2008	19,874	2.9	46,890	207	66,971
2009	21,388	3.0	46,019	176	67,583
2010	22,480	3.1	47,409	164	70,053
2011	23,446	3.0	51,448	264	75,158
2012	23,567	3.0	54,109	307	77,983
2013	24,466	3.1	54,569	246	79,281
2014	25,134	3.2	58,115	264	83,513
2015	26,356	3.3	60,940	319	87,615
2016	27,994	3.3	61,673	332	90,000
2017	29,349	3.4	69,066	344	98,759
2018	30,670	3.4	72,662	362	103,694
2019	32,885	3.5	75,288	396	108,569
2020	35,576	3.3	70,627	398	106,601
2021	37,361	3.2	77,601	363	115,325
2022	39,162	3.1	83,422	395	122,980

1 Data from surveys for the relevant domestic funding sectors. Until 1990, the former Federal Republic of Germany; as of 1995, all of Germany. Discrepancies from the figures in Table 1.1.1 result from use of different surveys (Table 1.1.2: survey of funding sectors; Table 1.1.1: survey of performing sectors).

2 Federal Government (ACTUAL expenditure) and the Länder (TARGET expenditure). Funding for Federal research institutions, as of 1985; funding for Länder research institutions, as of 1985, but only shares for R&D. As of 2016, the increase of the R&D expenditure is due to an increase in the higher education sector of the Länder (partly because of the adjustment of R&D coefficients).

3 Data from surveys of the Stifterverband Wissenschaftsstatistik; in 1985, figures include data for the R&D-staff-cost subsidy programme (German Federation of Industrial Co-operative Research Associations AiF), and adjusted to eliminate double counting. Figures for industry-funded R&D expenditures refer to intramural R&D expenditures and to funds that other sectors (e.g. universities, other countries) have received from business enterprises. Due to revision of the calculation method, as of 1995, figures are not comparable to data from earlier publications. Even years are estimated on the basis of the previous year.

4 Financed from own funds. Some figures are estimates.

5 Net expenditure without social insurance. As of 2000, excluding hospitals and university clinics with commercial accounting procedures.

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This table also appears in the Federal Report on Research and Innovation as Table 2.

Source: Special evaluation of the Federal Statistical Office, the Stifterverband Wissenschaftsstatistik and the Federal Ministry of Education and Research

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