

■ Table 1.6.5 1 / 4

**Expenditure of non-university science institutions, by fields of science<sup>1</sup>**

Type of institution	Millions of €						
	Year (ACTUAL)	Total expenditure	Of which,				Social sciences and humanities
			Natural sciences <sup>2</sup>	Engineering <sup>2</sup>	Medicine	Agricultural sciences	
1. Helmholtz-Centres (national research institutions)	2005	2,486	1,293	953	220	z	z
	2010	3,208	1,681	1,081	415	z	z
	2013	4,012	2,262	1,202	519	z	z
	2014	4,128	2,374	1,094	634	z	z
	2015	4,190	2,307	1,165	695	z	z
	2016	4,099	2,180	1,150	736	z	z
	Of which, R&D expenditure	2005	2,486	1,293	953	220	z
	2010	3,208	1,681	1,081	415	z	z
	2013	4,012	2,262	1,202	519	z	z
	2014	4,123	2,371	1,094	634	z	z
	2015	4,178	2,295	1,165	695	z	z
	2016	4,087	2,169	1,150	736	z	z
2. Max-Planck-Institutes <sup>3</sup> (100% R&D)	2005	1,201	1,008	z	34	z	148
	2010	1,537	1,276	z	60	z	177
	2013	1,695	1,401	18	73	4	198
	2014	1,821	1,304	11	76	4	426
	2015	1,831	1,486	z	z	z	208
	2016	1,903	1,574	58	z	z	206
	3. Fraunhofer-Institutes (100% R&D)	2005	1,258	332	860	z	z
2010		1,625	471	1,033	z	19	z
2013		2,010	666	1,163	107	13	60
2014		2,060	689	1,168	126	14	63
2015		2,085	474	1,413	120	16	62
2016		2,122	450	1,449	103	z	63
4. Institutions of the Leibniz Association		2005	910	471	z	87	z
	2010	1,359	772	132	127	52	275
	2013	1,414	762	140	z	z	318
	2014	1,507	798	149	z	z	358
	2015	1,547	759	173	166	69	380
	2016	1,627	815	145	169	79	418
	Of which, R&D expenditure	2005	773	425	z	80	z
	2010	1,209	720	91	118	51	229
	2013	1,272	705	118	z	z	264
	2014	1,308	723	98	z	z	292
	2015	1,344	695	115	159	65	310
	2016	1,354	698	110	160	71	315

■ Table 1.6.5 2 / 4

**Expenditure of non-university science institutions, by fields of science<sup>1</sup>**

Type of institution	Millions of €						
	Year (ACTUAL)	Total expenditure	Of which,				Social sciences and humanities
			Natural sciences <sup>2</sup>	Engineering <sup>2</sup>	Medicine	Agricultural sciences	
5. Public institutions (excluding libraries, archives and museums; excluding institutions of the Leibniz Association)	2005	2,022	752	359	214	477	220
	2010	2,806	920	733	366	592	194
	2013	3,121	1,064	833	435	569	220
	2014	3,178	1,103	851	458	570	197
	2015	3,076	1,109	795	388	583	201
	2016	3,245	1,172	868	389	595	221
	Of which, R&D expenditure	2005	869	215	97	78	327
	2010	1,176	284	157	140	476	119
	2013	1,249	306	204	180	434	126
	2014	1,272	328	202	166	425	151
	2015	1,253	316	190	149	442	156
	2016	1,389	422	207	153	449	159
6. Scientific libraries, archives and museums (excluding institutions of the Leibniz Association)	2005	843	49	z	z	z	765
	2010	1,097	81	22	11	7	977
	2013	1,113	69	11	10	6	1,015
	2014	1,129	67	11	10	6	1,036
	2015	1,190	71	12	11	7	1,090
	2016	1,183	70	14	11	7	1,082
	Of which, R&D expenditure	2005	265	17	z	z	z
	2010	412	40	7	1	1	363
	2013	441	38	1	1	1	400
	2014	434	36	1	1	1	395
	2015	440	37	1	2	1	399
	2016	444	37	1	2	1	403
7. Other research institutions <sup>4</sup>	2005	1,212	379	z	z	23	378
	2010	1,368	421	z	z	46	449
	2013	1,385	417	426	z	49	z
	2014	1,478	470	415	z	48	z
	2015	1,627	349	z	z	59	z
	2016	1,866	361	548	181	63	711
	Of which, R&D expenditure	2005	1,014	346	z	z	15
	2010	1,187	374	z	z	34	370
	2013	1,183	363	368	z	42	z
	2014	1,300	431	362	z	39	z
	2015	1,355	304	z	z	44	z
	2016	1,421	329	487	99	46	457

■ Table 1.6.5 3 / 4

**Expenditure of non-university science institutions, by fields of science<sup>1</sup>**

Type of institution	Millions of €						
	Year (ACTUAL)	Total expenditure	Of which,				
			Natural sciences <sup>2</sup>	Engineering <sup>2</sup>	Medicine	Agricultural sciences	Social sciences and humanities
<b>8. Total</b>	<b>2005</b>	<b>9,932</b>	4,284	2,689	638	592	1,729
	<b>2010</b>	<b>12,999</b>	5,623	3,426	1,092	730	2,129
	<b>2013</b>	<b>14,751</b>	6,640	3,795	1,329	711	2,275
	<b>2014</b>	<b>15,302</b>	6,805	3,699	1,484	715	2,598
	<b>2015</b>	<b>15,547</b>	6,555	4,155	1,601	743	2,493
	<b>2016</b>	<b>16,045</b>	6,623	4,232	1,648	799	2,744
Of which, Eastern German Länder and Berlin	<b>2005</b>	<b>2,983</b>	1,301	675	151	237	618
	<b>2010</b>	<b>4,043</b>	1,766	943	328	273	734
	<b>2013</b>	<b>4,421</b>	1,975	973	424	266	783
	<b>2014</b>	<b>4,445</b>	1,923	929	500	269	824
	<b>2015</b>	<b>4,609</b>	1,972	951	551	267	869
	<b>2016</b>	<b>4,820</b>	1,986	1,004	576	272	982
Of which, R&D expenditure	<b>2005</b>	<b>7,867</b>	3,636	2,320	483	428	1,000
	<b>2010</b>	<b>10,354</b>	4,847	2,757	843	594	1,314
	<b>2013</b>	<b>11,862</b>	5,740	3,075	1,049	562	1,436
	<b>2014</b>	<b>12,320</b>	5,883	2,937	1,172	556	1,773
	<b>2015</b>	<b>12,486</b>	5,609	3,419	1,272	577	1,609
	<b>2016</b>	<b>12,721</b>	5,679	3,462	1,312	621	1,645
Of which, Eastern German Länder and Berlin	<b>2005</b>	<b>2,299</b>	1,131	569	129	173	297
	<b>2010</b>	<b>3,163</b>	1,542	736	272	232	381
	<b>2013</b>	<b>3,486</b>	1,720	773	359	216	417
	<b>2014</b>	<b>3,491</b>	1,675	733	411	218	454
	<b>2015</b>	<b>3,632</b>	1,723	783	458	213	456
	<b>2016</b>	<b>3,731</b>	1,744	825	468	216	478
<b>For information:</b>							
Federal institutions performing R&D	<b>2005</b>	<b>1,534</b>	649	307	z	222	z
	<b>2010</b>	<b>2,357</b>	822	697	367	342	129
	<b>2013</b>	<b>2,662</b>	969	z	435	331	z
	<b>2014</b>	<b>2,702</b>	1,001	z	458	332	z
	<b>2015</b>	<b>2,582</b>	1,004	725	388	330	135
	<b>2016</b>	<b>2,741</b>	1,071	795	389	342	145
Of which, R&D expenditure	<b>2005</b>	<b>642</b>	191	78	z	194	z
	<b>2010</b>	<b>940</b>	262	148	140	306	84
	<b>2013</b>	<b>1,046</b>	292	z	180	293	z
	<b>2014</b>	<b>1,071</b>	309	z	166	291	z
	<b>2015</b>	<b>1,034</b>	296	171	149	295	124
	<b>2016</b>	<b>1,181</b>	403	184	153	307	133

■ Table 1.6.5 4 / 4

**Expenditure of non-university science institutions, by fields of science<sup>1</sup>**

Type of institution	Millions of €						
	Year (ACTUAL)	Total expenditure	Of which,				Social sciences and humanities
			Natural sciences <sup>2</sup>	Engineering <sup>2</sup>	Medicine	Agricultural sciences	
Länder and local government institutions performing R&D (including institutions of the Leibniz Association)	2005	551	132	52	23	255	89
	2010	521	137	46	13	251	75
	2013	491	118	58	0	238	77
	2014	480	103	68	0	238	72
	2015	498	105	70	0	253	69
	2016	504	101	73	0	253	77
Of which, R&D expenditure	2005	283	46	18	23	133	63
	2010	274	47	11	4	170	42
	2013	234	36	12	0	141	45
	2014	204	19	16	0	134	35
	2015	222	20	19	0	147	36
	2016	209	19	23	0	142	26
University institutions	2005	486	171	161	z	z	97
	2010	680	295	206	60	8	110
	2013	677	251	232	42	9	142
	2014	732	249	236	44	11	193
	2015	758	177	307	52	11	211
	2016	809	172	322	63	11	240
Of which, R&D expenditure	2005	401	150	116	z	z	80
	2010	576	263	171	58	7	77
	2013	552	211	187	41	8	105
	2014	637	228	201	42	10	156
	2015	650	154	267	50	10	169
	2016	652	151	278	61	9	154

z = value not stated for reasons of confidentiality, but included in the total.

- 1 Including funds that cannot be divided up among the Länder.
- 2 As of 2015, changes of the classification of scientific branches and fields: engineering includes informatics.
- 3 Including legally independent institutes.
- 4 Including academies.

Last update: March 2019

This table also appears in the Federal Report on Research and Innovation as Table 28.

Source: Special evaluation of the Federal Statistical Office

This work is licensed under a Data licence Germany attribution 2.0.  
<https://www.govdata.de/dl-de/by-2-0>