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Personnel of non-university science institutions by type of institution and fields of science¹

Full-time equivalents							
Type of institution	Year ²	Total	Of which,				
			Natural sciences	Engineering	Medicine	Agricultural sciences	Social sciences and humanities
1. Helmholtz-Centres (national research institutions)	2000	21,699	11,909	7,313	2,275	z	z
	2015	32,012	20,590	8,526	2,642	2	253
	2016	31,837	20,386	8,356	2,852	0	243
	2017	32,226	20,522	8,423	3,046	0	235
	2018	32,962	21,121	8,370	3,235	0	235
	2019	33,979	21,524	8,887	3,330	0	238
	Of which, R&D personnel	2000	21,624	11,836	7,313	2,276	z
	2015	31,909	20,497	8,522	2,639	2	250
	2016	31,736	20,293	8,353	2,849	0	240
	2017	32,117	20,422	8,420	3,043	0	232
	2018	32,853	21,021	8,367	3,231	0	233
	2019	33,868	21,423	8,884	3,326	0	235
2. Max-Planck-Institutes (100% R&D)	2000	9,275	7,165	-	1,007	-	1,056
	2015	13,036	10,261	379	795	31	1,569
	2016	14,030	11,204	530	598	45	1,653
	2017	15,035	12,006	652	590	36	1,750
	2018	15,736	12,445	706	635	40	1,910
	2019	16,022	12,643	752	631	39	1,957
	3. Fraunhofer-Institutes (100% R&D)	2000	7,261	1,651	5,372	z	82
2015		16,902	3,606	11,692	906	124	574
2016		17,027	3,685	11,446	823	370	702
2017		17,572	3,745	11,866	829	402	730
2018		18,206	3,904	12,307	839	404	752
2019		19,181	4,171	12,908	882	422	797
4. Institutions of the Leibniz Association		2000	10,363	5,123	z	1,097	z
	2015	13,505	6,825	838	1,000	1,212	3,630
	2016	13,996	6,998	766	1,052	1,170	4,009
	2017	14,498	6,998	1,083	969	1,170	4,278
	2018	14,622	7,009	1,109	875	1,187	4,441
	2019	14,902	7,228	1,060	844	1,199	4,570
	Of which, R&D personnel	2000	8,975	4,544	z	989	z
	2015	11,979	6,322	576	955	1,176	2,950
	2016	11,972	6,216	508	990	1,104	3,155
	2017	12,560	6,244	771	960	1,109	3,476
	2018	12,946	6,385	899	872	1,148	3,644
	2019	13,069	6,547	824	836	1,161	3,701

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Full-time equivalents							
Type of institution	Year ²	Total	Of which,				
			Natural sciences	Engineering	Medicine	Agricultural sciences	Social sciences and humanities
5. Public institutions (excluding libraries, archives and museums; excluding institutions of the Leibniz Association)	2000	24,911	9,708	3,022	2,034	7,756	2,391
	2015	24,375	8,973	4,208	2,940	6,359	1,894
	2016	24,417	8,771	4,352	2,887	6,396	2,012
	2017	24,746	8,782	4,356	3,056	6,484	2,068
	2018	25,262	9,014	4,526	3,130	6,313	2,278
	2019	25,541	9,076	4,660	2,942	6,616	2,247
	Of which, R&D personnel	2000	11,463	3,231	1,027	771	4,957
	2015	11,321	2,690	1,555	1,151	4,491	1,434
	2016	11,724	3,184	1,571	1,132	4,472	1,366
	2017	12,057	3,259	1,625	1,231	4,523	1,419
	2018	12,367	3,358	1,708	1,266	4,406	1,629
	2019	12,218	3,435	1,757	1,130	4,277	1,619
6. Scientific libraries, archives and museums (excluding institutions of the Leibniz Association)	2000	9,304	722	119	98	111	8,254
	2015	9,756	518	16	12	7	9,202
	2016	9,757	544	337	74	29	8,773
	2017	10,905	613	360	113	65	9,754
	2018	11,128	549	373	113	69	10,025
	2019	11,756	579	355	118	73	10,630
	Of which, R&D personnel	2000	2,251	300	25	10	55
	2015	3,360	429	2	4	1	2,923
	2016	3,458	420	34	10	3	2,992
	2017	3,399	254	36	14	7	3,088
	2018	3,548	250	61	31	24	3,184
	2019	3,722	277	59	33	26	3,327
7. Other research institutions	2000	12,990	3,335	5,202	474	378	3,601
	2015	15,725	2,793	5,468	960	626	5,878
	2016	16,564	3,495	4,863	505	829	6,871
	2017	16,876	3,609	4,828	568	852	7,018
	2018	17,152	3,787	4,789	523	838	7,215
	2019	17,914	3,210	5,932	558	730	7,483
	Of which, R&D personnel	2000	10,600	3,056	4,091	411	240
	2015	13,211	2,609	4,719	468	486	4,929
	2016	13,259	2,882	4,221	444	526	5,185
	2017	13,286	2,892	4,008	507	547	5,330
	2018	13,831	3,069	4,160	458	578	5,566
	2019	14,513	2,560	5,188	490	446	5,829

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Type of institution	Full-time equivalents						
	Year ²	Total	Of which,				
			Natural sciences	Engineering	Medicine	Agricultural sciences	Social sciences and humanities
8. Total (sum 1. to 7.)	2000	95,802	39,611	22,125	7,060	9,186	17,820
	2015	125,309	53,565	31,128	9,255	8,362	22,999
	2016	127,627	55,084	30,650	8,791	8,839	24,263
	2017	131,857	56,275	31,568	9,172	9,010	25,831
	2018	135,066	57,828	32,181	9,350	8,850	26,857
	2019	139,293	58,432	34,555	9,305	9,078	27,922
Of which, Eastern German Länder and Berlin	2000	27,667	11,433	5,232	1,678	3,580	5,744
	2015	37,396	15,255	8,093	3,620	3,002	7,426
	2016	38,127	16,175	8,057	3,121	3,143	7,631
	2017	39,352	16,490	8,276	3,336	3,137	8,113
	2018	41,090	16,932	8,602	3,385	3,321	8,850
	2019	42,793	17,199	9,158	3,534	3,654	9,248
Of which, R&D personnel	2000	71,454	31,784	18,602	5,540	6,168	9,360
	2015	101,717	46,414	27,445	6,918	6,311	14,629
	2016	103,206	47,885	26,663	6,846	6,520	15,293
	2017	106,026	48,822	27,378	7,174	6,624	16,025
	2018	109,487	50,432	28,207	7,331	6,599	16,917
	2019	112,592	51,055	30,371	7,330	6,371	17,466
Of which, Eastern German Länder and Berlin	2000	19,951	9,803	3,808	1,388	2,361	2,591
	2015	29,940	13,189	6,927	2,950	2,418	4,456
	2016	30,359	13,870	6,594	2,845	2,400	4,649
	2017	31,346	14,071	6,867	3,037	2,371	5,000
	2018	32,547	14,470	7,094	3,090	2,454	5,439
	2019	33,452	14,709	7,547	3,247	2,393	5,556
For information:							
Federal institutions performing R&D	2000	17,532	7,675	2,256	z	4,211	z
	2015	18,359	7,922	3,504	2,940	2,968	1,025
	2016	18,347	7,737	3,649	2,887	3,012	1,063
	2017	18,632	7,798	3,622	3,056	3,067	1,090
	2018	19,286	8,066	3,797	3,112	3,105	1,206
	2019	19,266	8,183	3,853	2,924	3,119	1,187
Of which, R&D personnel	2000	8,341	2,738	856	z	3,036	z
	2015	8,584	2,475	1,363	1,151	2,590	1,006
	2016	9,146	2,987	1,366	1,132	2,630	1,031
	2017	9,405	3,068	1,397	1,231	2,675	1,034
	2018	9,747	3,143	1,476	1,255	2,701	1,173
	2019	9,643	3,226	1,486	1,119	2,651	1,161

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Type of institution	Full-time equivalents						
	Year ²	Total	Of which,				
			Natural sciences	Engineering	Medicine	Agricultural sciences	Social sciences and humanities
Länder and local government institutions performing R&D (including institutions of the Leibniz Association)	2000	8,595	2,585	767	197	3,546	1,500
	2015	6,391	1,205	801	63	3,420	901
	2016	6,651	1,257	856	71	3,422	1,047
	2017	6,615	1,224	869	7	3,427	1,088
	2018	6,445	1,194	870	24	3,217	1,139
	2019	6,769	1,150	935	27	3,508	1,149
Of which, R&D personnel	2000	4,145	901	172	150	1,921	1,001
	2015	2,873	285	204	18	1,910	457
	2016	2,736	273	218	20	1,851	374
	2017	2,804	276	242	1	1,849	436
	2018	3,007	418	349	16	1,713	511
	2019	2,895	387	348	16	1,632	511
University institutions	2000	5,285	1,689	1,627	750	113	1,106
	2015	7,297	2,179	2,699	425	150	1,844
	2016	7,587	2,286	2,648	426	139	2,088
	2017	7,744	2,404	2,506	448	138	2,248
	2018	8,065	2,535	2,654	391	142	2,343
	2019	8,284	1,877	3,524	348	148	2,386
Of which, R&D personnel	2000	4,586	1,551	1,250	724	94	967
	2015	6,408	2,064	2,319	407	141	1,477
	2016	6,288	2,074	2,196	396	116	1,507
	2017	6,298	2,190	1,972	425	114	1,597
	2018	6,915	2,400	2,262	366	125	1,762
	2019	7,005	1,777	2,989	320	128	1,793

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

1 Includes personnel (FTE) which can not be distributed to Länder.

2 Survey reference day for each year is 30 June (ACTUAL). Personnel allocation to fields of sciences according to the structure of expenditure of the respective institution. As of 2015, changes of the classification of scientific branches and fields: engineering includes informatics.

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Source: Federal Statistical Office, special evaluation

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<https://www.govdata.de/dl-de/by-2-0>