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Personnel of non-higher education 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)	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
	2020	34,789	21,991	9,309	3,231	0	257
	2021	36,378	22,015	10,965	3,141	0	257
	2022	36,311	21,601	11,284	3,192	0	233
Of which, R&D personnel	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
	2020	34,682	21,893	9,305	3,229	0	254
	2021	36,273	21,921	10,960	3,138	0	254
	2022	36,258	21,549	11,284	3,192	0	233
2. Max Planck Institutes (100% R&D)	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
	2020	16,242	12,716	814	697	38	1,977
	2021	16,130	12,664	811	644	38	1,972
	2022	17,016	13,546	839	601	38	1,992
3. Fraunhofer Institutes (100% R&D)	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
	2020	19,928	4,546	13,277	910	408	787
	2021	21,026	5,078	13,802	1,039	396	710
	2022	21,432	5,206	14,002	1,090	397	737
4. Institutions of the Leibniz Association	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
	2020	14,896	7,124	1,146	838	1,208	4,580
	2021	15,317	7,402	1,186	888	1,171	4,670
	2022	15,391	7,092	1,068	1,028	1,233	4,969
Of which, R&D personnel	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
	2020	13,117	6,488	916	829	1,169	3,716
	2021	13,553	6,729	942	880	1,153	3,849
	2022	13,715	6,505	883	1,014	1,216	4,096

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Full-time equivalents							
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			Natural sciences	Engineering	Medicine	Agricultural sciences	Social sciences and humanities
5. Public institutions (excluding libraries, archives and museums; excluding institutions of the Leibniz Association)	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
	2020	25,650	8,751	4,854	3,514	6,373	2,158
	2021	26,501	9,013	4,951	3,667	6,608	2,262
	2022	26,796	9,253	5,018	3,762	6,601	2,161
Of which, R&D personnel	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
	2020	12,209	3,268	1,911	1,374	4,146	1,509
	2021	13,073	3,814	2,023	1,495	4,113	1,628
	2022	13,094	3,679	2,181	1,580	4,191	1,462
6. Scientific libraries, archives and museums (excluding institutions of the Leibniz Association)	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
	2020	11,727	586	358	122	76	10,584
	2021	11,808	538	365	128	89	10,687
	2022	12,243	557	373	66	35	11,211
Of which, R&D personnel	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
	2020	3,678	278	46	35	28	3,291
	2021	3,815	362	48	37	34	3,334
	2022	3,608	256	40	7	7	3,299
7. Other research institutions	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
	2020	18,473	3,391	6,063	580	719	7,719
	2021	19,402	3,562	6,477	498	748	8,117
	2022	20,146	3,488	6,604	630	851	8,573
Of which, R&D personnel	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
	2020	14,840	2,660	5,337	508	438	5,897
	2021	15,399	2,741	5,686	407	446	6,120
	2022	15,921	2,626	5,800	502	533	6,459

Personnel of non-higher education science institutions, by type of institution and fields of science¹

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.)	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
	2020	141,703	59,105	35,821	9,892	8,822	28,063
	2021	146,560	60,272	38,556	10,005	9,051	28,674
	2022	149,334	60,743	39,189	10,370	9,155	29,877
Of which, R&D personnel	2017	106,025	48,822	27,379	7,175	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
	2020	114,695	51,850	31,606	7,581	6,226	17,432
	2021	119,268	53,310	34,271	7,640	6,181	17,867
	2022	121,044	53,366	35,029	7,987	6,382	18,279
For information:							
Federal institutions performing R&D	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
	2020	19,609	7,842	4,027	3,498	3,146	1,096
	2021	20,370	8,101	4,193	3,648	3,243	1,185
	2022	20,660	8,215	4,325	3,744	3,259	1,116
Of which, R&D personnel	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
	2020	9,802	3,082	1,625	1,364	2,679	1,052
	2021	10,663	3,623	1,768	1,483	2,653	1,135
	2022	10,760	3,492	1,956	1,570	2,677	1,066
Länder and local government institutions performing R&D (including institutions of the Leibniz Association)	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
	2020	6,560	1,170	979	28	3,239	1,144
	2021	6,716	1,214	946	31	3,378	1,147
	2022	6,136	1,039	692	18	3,342	1,045
Of which, R&D personnel	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
	2020	2,766	376	386	17	1,476	511
	2021	2,832	417	385	19	1,468	542
	2022	2,334	187	225	11	1,514	396

Personnel of non-higher education 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
Higher education institutions	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
	2020	8,528	1,833	3,768	378	153	2,396
	2021	9,119	1,833	4,234	368	151	2,533
	2022	9,161	1,701	3,987	391	132	2,950
Of which, R&D personnel	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
	2020	7,190	1,729	3,221	345	132	1,763
	2021	7,663	1,730	3,654	315	129	1,835
	2022	7,727	1,610	3,467	344	115	2,191

¹ Including 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.

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Source: Federal Statistical Office, special evaluation

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