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Federal Government expenditure on science, research and development, by recipient groups¹

Millions of €				
Recipient group	ACTUAL			
	2019		2020	
	Total	Of which, R&D	Total	Of which, R&D
1. Territorial authorities	7,929.7	3,682.4	7,708.1	4,131.0
1.1 Federal Government	2,784.9	1,409.2	2,969.1	1,534.7
1.1.1 Federal institutions with research and development tasks	2,406.9	1,281.1	2,550.9	1,380.2
1.1.2 Other institutions of Federal administration ²	378.0	128.1	418.2	154.6
1.2 Länder and communities	5,144.8	2,273.2	4,739.0	2,596.2
1.2.1 Länder institutions with research and development tasks	162.5	151.4	169.9	156.7
1.2.2 Universities and university hospitals ³	4,135.0	2,006.6	4,317.7	2,214.9
1.2.3 Other institutions of the Länder	768.3	63.6	141.6	134.6
1.2.4 Communities, local authority and special-purpose associations	79.0	51.5	109.7	90.0
2. Privat non-profit organisations⁴	10,903.5	10,088.7	11,530.3	10,705.5
2.1 Research and science organisations (e.g. MPG, FhG), of which: ⁵	9,001.2	8,539.9	9,564.7	9,096.8
German Research Foundation (DFG)	2,365.1	2,364.7	2,331.6	2,331.1
Helmholtz Association of German Research Centres (HGF)	3,671.4	3,635.9	3,868.9	3,829.9
2.2 Other non-profit science organisations	1,692.5	1,401.6	1,754.2	1,465.2
2.3 Other non-profit organisations	209.9	147.2	211.4	143.6
3. Business enterprise sector⁶	3,629.6	3,281.0	4,206.8	3,815.5
3.1 Business enterprises	2,435.2	2,153.2	2,945.8	2,630.2
3.2 Services if rendered by companies and the professions	1,194.4	1,127.8	1,261.1	1,185.3
4. Abroad	1,768.0	1,690.1	2,102.4	2,024.0
4.1 Payments to business enterprises abroad	164.5	147.3	236.5	219.0
4.2 Contributions to international organisations and other payments to recipients abroad	1,603.5	1,542.8	1,865.9	1,805.0
5. Cross-group positions	9.6	6.0	13.0	7.3
Total expenditure	24,240.4	18,748.1	25,560.7	20,683.3
For information:				
Business enterprise sector ^{6,7}	3,629.6	3,281.0	4,206.8	3,815.5
Of which:				
Federal Ministry for Economic Affairs and Climate Action	1,504.3	1,496.4	1,428.7	1,424.7
Federal Ministry of Defence	662.9	662.9	736.9	736.9
Federal Ministry of Education and Research	1,028.5	714.2	1,537.2	1,194.6

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Federal Government expenditure on science, research and development, by recipient groups¹

Millions of €				
Recipient group	ACTUAL			
	2021		2022	
	Total	Of which, R&D	Total	Of which, R&D
1. Territorial authorities	8,350.4	4,778.4	8,864.7	5,239.9
1.1 Federal Government	3,128.9	1,647.7	3,373.9	1,879.8
1.1.1 Federal institutions with research and development tasks	2,645.4	1,455.1	2,839.8	1,523.9
1.1.2 Other institutions of Federal administration ²	483.5	192.6	534.1	355.9
1.2 Länder and communities	5,221.5	3,130.7	5,490.8	3,360.0
1.2.1 Länder institutions with research and development tasks	217.5	203.5	214.8	202.1
1.2.2 Universities and university hospitals ³	4,782.1	2,720.6	5,012.3	2,913.6
1.2.3 Other institutions of the Länder	144.7	138.3	160.2	151.9
1.2.4 Communities, local authority and special-purpose associations	77.1	68.2	103.5	92.5
2. Privat non-profit organisations⁴	12,235.4	11,295.8	12,681.5	11,691.6
2.1 Research and science organisations (e.g. MPG, FhG), of which: ⁵	10,087.3	9,526.9	10,445.9	9,869.4
German Research Foundation (DFG)	2,370.1	2,369.5	2,444.8	2,444.4
Helmholtz Association of German Research Centres (HGF)	4,232.8	4,188.5	4,380.8	4,332.5
2.2 Other non-profit science organisations	1,870.9	1,580.3	1,928.0	1,586.9
2.3 Other non-profit organisations	277.2	188.6	307.6	235.3
3. Business enterprise sector⁶	4,130.5	3,756.5	4,335.3	3,928.6
3.1 Business enterprises	2,580.8	2,271.4	2,333.6	1,998.5
3.2 Services if rendered by companies and the professions	1,549.7	1,485.1	2,001.6	1,930.0
4. Abroad	1,991.6	1,891.1	2,617.9	2,517.7
4.1 Payments to business enterprises abroad	144.0	127.6	96.5	78.8
4.2 Contributions to international organisations and other payments to recipients abroad	1,847.7	1,763.5	2,521.4	2,438.9
5. Cross-group positions	10.9	7.1	12.2	7.7
Total expenditure	26,718.8	21,728.9	28,511.5	23,385.4
For information:				
Business enterprise sector ^{6,7}	4,130.5	3,756.5	4,335.3	3,928.6
Of which:				
Federal Ministry for Economic Affairs and Climate Action	1,461.0	1,454.8	1,466.5	1,454.9
Federal Ministry of Defence	841.9	841.9	730.1	730.1
Federal Ministry of Education and Research	1,316.5	969.5	1,517.3	1,144.9

1 Including "Energy and climate fund". Possible deviations from earlier publications due to subsequent changes in the allocation to R&D or subsequent changes in the allocation to the recipient groups are possible. Possible rounding differences.

2 Including Federal Armed Forces universities.

3 Not including basic funding for DFG and funding for collaborative research centres.

4 Not including funding of international organisations abroad.

5 Including basic funding for DFG and funding for collaborative research centres. Without funds for the Leibniz Association. Depending on the classification of the institution, they are assigned to either the Other non-profit science organisations or to the Länder institutions with research and development tasks.

6 Including funding to promote contract research; differentiation in keeping with the classification of economic activities; not including funding for business enterprises abroad.

7 The departments' scopes of responsibilities and their names correspond to the organisational division of the 20th legislative period's Federal Government. To ensure comparability between individual years, expenditures were retrospectively adjusted or implemented to reflect the current organizational division when there were changes in the allocation of responsibilities between government departments.

Last update: November 14, 2023

This table also appears in the Federal Report on Research and Innovation as Table 8.

Source: Special evaluation of the Federal Ministry of Education and Research

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