

Fig. 12 R&D expenditure of the Federal Government and the Länder, by research objectives, budget appropriations in millions of euros (2012-2016)

Research objective ¹	2012	2013	2014	2015	2016 ²
1. Exploration and exploitation of the earth	380,3	426.5	442,9	466,6	481,5
2. Environment	687.5	705.6	761.6	769.9	795.1
3. Exploration and exploitation of space	1,132.3	1,173.3	1,189.8	1,333.5	1,409.0
4. Transport, telecommunication and other infrastructures	358.1	374.4	376.7	380.4	439.8
5. Energy	1,062.8	1,313.3	1,323.4	1,260.4	1,314.3
6. Industrial production and technology	3,046.1	3,190.5	3,025.7	3,157.8	3,357.7
7. Health	1,266.1	1,272.4	1,342.1	1,384.6	1,431.5
8. Agriculture	691.2	719.1	728.2	812.9	894.6
9. Education	230.5	266.9	308.2	387.3	353.2
10. Culture, recreation, religion and mass media	301.2	299.9	287.9	303.1	346.2
11. Political and social systems, structures and processes	396.9	454.7	484.4	508.9	451.6
9.-11. Total of education, culture, recreation, religion, mass media, political and social systems, structures and processes	928.7	1,021.6	1,080.5	1,199.3	1,150.9
12. General advancement of knowledge: R&D financed from General University Funds (GUF)	9,609.1	10,137.5	10,249.1	10,719.3	11,091.5
13. General advancement of knowledge: R&D financed from other sources than GUF	4,150.4	4,331.2	4,366.9	4,625.3	4,686.3
Non-apportionable funds ³	-169.1	-239.2	-346.3	-404.2	-260.2
Total civil R&D expenditure	23,143.4	24,426.1	24,540.8	25,705.9	26,792.0
14. Defence	926.8	944.9	977.4	827.0	766.1
Total	24,070.2	25,371.0	25,518.2	26,532.8	27,558.1

Explanation of abbreviations/symbols: R&D = research and development.

1) In keeping with the nomenclature for the analysis and comparison of scientific programmes and budgets (NABS) – edition 2007. As of 2012, on the part of the Federal Government including "Energy and climate fund" (*Energie- und Klimafonds*).

2) Provisional figures.

3) Global reduction in the expenditure of the Federal Ministry of Education and Research (BMBF) which cannot be assigned to research objectives 1 to 13 until ACTUAL figures are available as well as competition funds for the Leibniz Association (WGL) from the Federal Government and the Länder.

Source: Bundesbericht Forschung und Innovation 2016, EB I Tab. 16 (updated)

Data: Federal Ministry of Education and Research, Federal Statistical Office

BMBF's Data Portal: Figure link: www.datenportal.bmbf.de/fig-12

Additional data: www.datenportal.bmbf.de/en/1.2.3