

Fig. 9 Federal Government expenditure on science, research and development, by funding areas, in millions of euros (2016/2017)

Funding area ¹	2016 (TARGET) ^{2,3}		2017 (TARGET) ²	
	Total	R&D	Total	R&D
A Health research and health industry	2,523.6	2,273.8	2,657.2	2,419.1
B Bioeconomy	245.5	245.4	270.7	270.6
C Civil security research	108.2	102.6	106.3	100.6
D Nutrition, agriculture and consumer protection	914.5	786.9	1,058.2	923.5
E Energy research and energy technologies	1,733.6	1,307.2	1,936.7	1,482.9
F Climate, environment, sustainability	1,507.7	1,294.4	1,647.6	1,429.9
G Information and communication technologies	858.5	820.4	977.7	879.3
H Vehicle and traffic technologies including maritime technologies	487.5	386.4	479.1	374.3
I Aerospace	1,648.4	1,646.0	1,671.0	1,668.5
J Research and development to improve working conditions and in the service sector	153.5	95.1	165.8	107.3
K Nanotechnologies and materials technologies	684.8	655.7	727.3	697.8
L Optical technologies	209.6	205.3	214.0	209.6
M Production technologies	242.0	239.8	260.4	258.2
N Regional planning and urban development; construction research	148.5	115.3	176.4	123.2
O Innovations in education	950.9	464.2	1,068.1	564.2
P Humanities; economics and social sciences	1,407.3	1,082.2	1,529.4	1,170.7
Q Innovation funding for SMEs	1,140.9	1,130.8	1,214.5	1,204.2
R Innovation-relevant underlying conditions and other cross-cutting activities	496.9	388.4	574.2	460.8
T Funding organisations, restructuring of the research field in acceding areas; construction of universities and primarily university-specific special programmes	3,884.7	762.7	4,194.2	793.0
U Large-scale equipment for basic research	1,252.5	1,252.2	1,281.4	1,281.1
Z Global reduced expenditure; budget reserve	-260.2	-260.2	-384.4	-384.4
Total of civil funding areas	20,338.7	14,994.6	21,825.9	16,034.2
S Military scientific research	840.2	775.8	1,249.5	1,182.5
Total expenditure	21,178.9	15,770.4	23,075.4	17,216.7

Explanation of abbreviations/symbols: R&D = (of which) research and development; SMEs = Small and medium-sized enterprises.

1) According to the Federal Government's planning system 2009. Expenditure was implemented in accordance with the Federal Government's planning system 2009. Expenditure of non-university research organisations are distributed among funding areas and funding priorities.

2) Distribution among funding areas partly estimated or extrapolated. Including "Energy and climate fund" (*Energie- und Klimafonds*). Research promotion for electromobility is financed by the "Energy and climate fund". As of 2016, including future investments.

3) Differences from previously published documents due to subsequent changes in the allocation to R&D.

Source: Bundesbericht Forschung und Innovation 2016, EB I Tab. 5 (updated)

Data: Federal Ministry of Education and Research

BMBF's Data Portal: Figure link: www.datenportal.bmbf.de/fig-9

Additional data: www.datenportal.bmbf.de/en/1.1.5