

**Fig. 10 BMBF expenditure on science, research and development, by funding areas, in millions of euros (2016/2017)**

Funding area <sup>1</sup>	2016 (TARGET) <sup>2</sup>		2017 (TARGET) <sup>2</sup>	
	Total	R&D	Total	R&D
A Health research and health industry	2,063.6	2,063.6	2,186.3	2,186.3
B Bioeconomy	245.3	245.3	270.4	270.4
C Civil security research	65.8	65.8	71.6	71.6
D Nutrition, agriculture and consumer protection	53.5	53.5	57.5	57.5
E Energy research and energy technologies	968.9	652.1	1,033.4	716.5
F Climate, environment, sustainability	1,068.9	1,068.9	1,143.3	1,143.3
G Information and communication technologies	679.6	667.4	720.1	657.4
H Vehicle and traffic technologies including maritime technologies	25.5	25.5	28.8	28.8
I Aerospace	93.7	93.7	98.8	98.8
J Research and development to improve working conditions and in the service sector	53.3	53.3	62.8	62.8
K Nanotechnologies and materials technologies	589.7	589.7	630.9	630.9
L Optical technologies	199.1	199.1	203.2	203.2
M Production technologies	229.7	229.7	247.9	247.9
N Regional planning and urban development; construction research	22.5	22.5	24.0	24.0
O Innovations in education	725.1	409.9	808.5	493.3
P Humanities; economics and social sciences	838.4	838.4	885.1	885.1
Q Innovation funding for SMEs	187.3	187.3	210.5	210.5
R Innovation-relevant underlying conditions and other cross-cutting activities	346.1	276.4	448.4	374.6
T Funding organisations, restructuring of the research field in acceding areas; construction of universities and primarily university-specific special programmes	3,719.8	734.1	4,000.5	760.3
U Large-scale equipment for basic research	1,251.8	1,251.8	1,280.7	1,280.7
Z Global reduced expenditure; budget reserve	-260.2	-260.2	-384.4	-384.4
<b>Total expenditure</b>	<b>13,167.4</b>	<b>9,467.8</b>	<b>14,028.4</b>	<b>10,019.6</b>

**Explanation of abbreviations/symbols:** BMBF = Federal Ministry of Education and Research; 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.

**Source:** Bundesbericht Forschung und Innovation 2016, EB I Tab. 6 (updated)

**Data:** Federal Ministry of Education and Research

**BMBF's Data Portal:** Figure link: [www.datenportal.bmbf.de/fig-10](http://www.datenportal.bmbf.de/fig-10)

Additional data: [www.datenportal.bmbf.de/en/1.1.6](http://www.datenportal.bmbf.de/en/1.1.6)