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Budget for education, research and science, by expenditure areas¹

Expenditure area	2016		2017		2018	
	Absolute value	Share of GDP	Absolute value	Share of GDP	Absolute value	Share of GDP
	Billions of €	in %	Billions of €	in %	Billions of €	in %
A Education budget in international demarcation (ISCED 2011)²	181.9	5.8	189.3	5.8	197.1	5.9
A30 Expenditure on educational institutions (state and private funded)	162.8	5.2	170.0	5.2	177.8	5.3
A31 ISCED 0: pre-primary level ³	28.4	0.9	30.3	0.9	32.0	1.0
Of which:						
Expenditure on children aged younger than 3 years	10.5	0.3	11.2	0.3	u	u
Expenditure on children aged from 3 to school entrance	18.0	0.6	19.1	0.6	u	u
A32 ISCED 1-4: school and levels close to school	93.5	3.0	97.3	3.0	100.8	3.0
Of which:						
General programmes	68.8	2.2	71.0	2.2	u	u
Vocational programmes ⁴	11.7	0.4	12.4	0.4	u	u
In-company training under the dual system ⁵	10.5	0.3	11.3	0.3	u	u
A33 ISCED 5-8: tertiary level ⁶	38.3	1.2	39.7	1.2	42.2	1.3
Of which:						
Vocational programmes	1.1	0.0	1.2	0.0	u	u
Academic programmes (at higher education institutions)	35.0	1.1	36.3	1.1	u	u
Of which, research and development at higher education institutions	16.6	0.5	17.3	0.5	18.6	0.6
A34 Others (without ISCED classification) ⁷	2.5	0.1	2.7	0.1	2.8	0.1
A40 Expenditure of private households on educational products and services beyond educational institutions	6.3	0.2	6.5	0.2	6.6	0.2
A50 Expenditure on the assistance to participants in ISCED education programmes	12.7	0.4	12.9	0.4	12.8	0.4
B Additional education-relevant expenditure in national demarcation	20.5	0.7	20.9	0.6	21.1	0.6
B10 Continuing vocational education ⁸	11.2	0.4	11.2	0.3	11.1	0.3
B20 Expenditure on other educational opportunities	7.7	0.2	8.5	0.3	8.8	0.3
B30 Assistance to participants in continuing education ⁹	1.6	0.1	1.2	0.0	1.2	0.0
A - B Total education budget	202.4	6.5	210.2	6.5	218.3	6.5
C Research and development¹⁰	92.2	2.9	99.6	3.1	104.8	3.1
C40 Higher education institutions (additionally included in ISCED 5-8)	16.6	0.5	17.3	0.5	18.6	0.6
D Other education and science infrastructure	6.1	0.2	6.4	0.2	5.7	0.2
A - D Total expenditure for education, research and science (consolidated by higher education expenditure on R&D)	284.0	9.1	298.9	9.2	310.2	9.3

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Budget for education, research and science, by expenditure areas¹

u = no data because the numerical value is not sufficiently reliable.

- 1 Expenditure pursuant to the performance concept. Demarcation pursuant to concept 2015. 2018 figures are preliminary. Possible rounding differences.
- 2 ISCED = International Standard Classification of Education.
- 3 Crèches, kindergartens, pre-school classes, school kindergartens.
- 4 Including schools for nurses, midwives etc.
- 5 Expenditure on company-based, extra-company and inter-company training under the dual system including training grants by the Federal Employment Agency, and the Federal Ministry of Labour and Social Affairs.
- 6 Excluding expenditure on patient treatment; including expenditure on trade and technical schools, specialised academies, vocational academies, R&D at higher education institutions, and the student services.
- 7 Expenditure can not be related to particular ISCED levels (including the estimated expenditure on training for civil servants, services of the public administration, and teacher training courses).
- 8 Estimate of the costs of continuing vocational training provided by companies is based on the results of the employment accounts in national accounts and the continuing vocational training survey (CVTS). No adjustment for possible double counting at external training programmes (e.g. at institutions of higher education).
- 9 Payments from the Federal Employment Agency to participants in continuing vocational education. It was not possible to eliminate cases (dual system, continuing education) where grants may have been included twice.
- 10 Calculated using research and development (R&D) statistical methods (Frascati Manual / OECD report).

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Source: Federal Statistical Office ("Budget für Bildung, Forschung und Wissenschaft", Bildungsfinanzbericht)

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