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Budget for education, research and science, by expenditure areas¹

Expenditure area	2021		2022		2023	
	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	230.1	6.4	242.7	6.3	255.8	6.1
A30 Expenditure on educational institutions (state and private funded)	208.6	5.8	220.7	5.7	231.0	5.5
A31 ISCED 0: pre-primary level ³	40.4	1.1	43.9	1.1	47.0	1.1
Of which:						
Expenditure on children aged younger than 3 years	14.7	0.4	16.2	0.4	17.4	0.4
Expenditure on children aged from 3 to school entrance	25.7	0.7	27.6	0.7	29.6	0.7
A32 ISCED 1 to 4: school and levels close to school	117.3	3.2	123.1	3.2	129.8	3.1
Of which:						
General programmes	86.7	2.4	91.3	2.4	96.3	2.3
Vocational programmes ⁴	14.8	0.4	15.5	0.4	16.1	0.4
In-company training under the dual system ⁵	13.1	0.4	13.3	0.3	14.1	0.3
A33 ISCED 5 to 8: tertiary level ⁶	47.6	1.3	50.1	1.3	50.5	1.2
Of which:						
Vocational programmes	1.9	0.1	2.0	0.1	2.1	0.1
Academic programmes (at higher education institutions)	43.8	1.2	46.4	1.2	46.4	1.1
Of which, research and development at higher education institutions	20.7	0.6	22.0	0.6	22.4	0.5
A34 Others (without ISCED classification) ⁷	3.3	0.1	3.6	0.1	3.8	0.1
A40 Expenditure of private households on educational products and services beyond educational institutions	7.4	0.2	7.8	0.2	8.4	0.2
A50 Expenditure on the assistance to participants in ISCED education programmes	14.1	0.4	14.2	0.4	16.4	0.4
B Additional education-relevant expenditure in national demarcation	23.9	0.7	24.7	0.6	27.0	0.6
B10 Continuing vocational education ⁸	13.7	0.4	14.7	0.4	15.7	0.4
B20 Expenditure on other educational opportunities	8.8	0.2	8.8	0.2	10.1	0.2
B30 Assistance to participants in continuing education ⁹	1.4	0.0	1.2	0.0	1.2	0.0
A to B Total education budget	254.0	7.0	267.5	6.9	282.8	6.8
C Research and development¹⁰	113.2	3.1	121.4	3.1	129.7	3.1
C40 Higher education institutions (additionally included in ISCED 5 to 8)	20.7	0.6	22.0	0.6	22.4	0.5
D Other education and science infrastructure	6.4	0.2	6.8	0.2	7.9	0.2
A to D Total expenditure for education, research and science (consolidated by higher education expenditure on R&D)	352.9	9.8	373.7	9.6	398.0	9.5

Budget for education, research and science, by expenditure areas¹

- 1 Implementation accounting, based on the 2015 classification concept; 2023 figures are preliminary calculations. Change in data basis as of 2021; results for 2021 have been revised. 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., excluding trade and technical schools, specialised academies, vocational academies.
- 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). As of reporting year 2020, data from the 6th European survey on continuing vocational training (reference year 2020) will be used. As of the 2021 reporting year, statistics on small and medium-sized enterprises (SMEs) are additionally taken into account for estimating training costs.
- 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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