

■ Table 1.1.9 1 / 2

Federal Government expenditure on science, research and development to business enterprises, by economic activities¹

Millions of €				
Economic activity ²	ACTUAL			
	2021		2022	
	Total	Of which, direct project funding ³	Total	Of which, direct project funding ³
A 01-03 Agriculture, forestry and fishing	22.6	20.8	21.4	20.3
B 05-09 Mining and quarrying	3.6	1.6	3.4	1.9
C 10-33 Manufacturing	2,119.2	1,762.2	1,823.2	1,482.6
C 10-12 Manufacture of food products; manufacture of tobacco products	17.5	3.6	21.3	6.7
C 13-15 Manufacture of textiles and wearing apparel; manufacture of leather and related products	19.4	3.5	21.3	6.9
C 16-18 Manufacture of wood and products of wood and cork (except furniture); manufacture of paper and paper products; publishing, printing and reproduction of recorded media	13.1	4.6	19.2	11.6
C 19 Manufacture of coke and refined petroleum products	0.5	0.5	1.1	1.1
C 20-21 Manufacture of chemicals and chemical products; manufacture of basic pharmaceutical products and pharmaceutical preparations	104.8	76.3	135.4	111.2
C 22-23 Manufacture of rubber and plastic products; manufacture of other non-metallic mineral products	56.3	22.6	50.1	18.6
C 24-25 Manufacture of basic metals and fabricated metal products, except machinery and equipment	73.1	29.7	74.5	31.2
C 26 Manufacture of computer, electronic and optical products	646.6	594.1	431.4	378.8
C 27 Manufacture of electrical equipment	99.8	85.8	132.7	117.0
C 28 Manufacture of machinery and equipment n.e.c.	311.6	219.8	329.6	245.2
C 29-30 Manufacture of motor vehicles, trailers and semi-trailers, manufacture of other transport equipment	748.5	707.9	569.1	532.3
C 31-33 Manufacture of furniture, other manufacturing, repair and installation of machinery and equipment	28.0	13.7	37.3	22.1
D 35 Energy supply (without mining)	67.1	56.2	78.9	68.2
E 36-39 Water supply, sewerage, waste management and remediation activities	335.1	320.8	371.6	357.4
F 41-43 Construction	33.1	12.7	35.2	15.6
G 45-47 Wholesale and retail trade and repair of motor vehicles and motorcycles	25.4	8.9	33.2	14.9
H 49-53 Transportation and storage	46.4	41.5	66.0	60.9
I 55-56 Accommodation	1.2	0.7	1.2	1.2
J 58-63 Information and communication	248.6	195.4	291.5	236.8
K 64-66 Financial and insurance activities	83.9	82.7	22.3	20.9
L-T 68-98 Other service activities by enterprises and members of the professions⁴	1,102.3	903.2	1,448.1	1,236.8
Total expenditure⁵	4,088.5	3,406.7	4,195.9	3,517.3
Of which, R&D	3,714.5	3,044.8	3,789.4	3,125.9

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Federal Government expenditure on science, research and development to business enterprises, by economic activities¹

Millions of €				
Economic activity ²	ACTUAL			
	2023		2024	
	Total	Of which, direct project funding ³	Total	Of which, direct project funding ³
A 01-03 Agriculture, forestry and fishing	25.0	24.2	25.1	24.7
B 05-09 Mining and quarrying	3.2	2.0	3.5	2.3
C 10-33 Manufacturing	1,941.3	1,643.1	2,316.0	2,048.5
C 10-12 Manufacture of food products; manufacture of tobacco products	22.2	8.6	25.2	9.6
C 13-15 Manufacture of textiles and wearing apparel; manufacture of leather and related products	22.9	9.9	27.5	9.1
C 16-18 Manufacture of wood and products of wood and cork (except furniture); manufacture of paper and paper products; publishing, printing and reproduction of recorded media	19.2	12.5	22.1	14.2
C 19 Manufacture of coke and refined petroleum products	0.9	0.8	0.3	0.3
C 20-21 Manufacture of chemicals and chemical products; manufacture of basic pharmaceutical products and pharmaceutical preparations	171.8	149.9	150.2	129.8
C 22-23 Manufacture of rubber and plastic products; manufacture of other non-metallic mineral products	57.6	27.7	64.8	26.9
C 24-25 Manufacture of basic metals and fabricated metal products, except machinery and equipment	75.3	35.6	82.2	41.8
C 26 Manufacture of computer, electronic and optical products	416.6	375.2	713.4	681.2
C 27 Manufacture of electrical equipment	133.1	119.6	231.1	221.6
C 28 Manufacture of machinery and equipment n.e.c.	329.7	259.8	340.4	280.6
C 29-30 Manufacture of motor vehicles, trailers and semi-trailers, manufacture of other transport equipment	645.8	612.2	616.3	605.0
C 31-33 Manufacture of furniture, other manufacturing, repair and installation of machinery and equipment	46.3	31.3	42.4	28.5
D 35 Energy supply (without mining)	92.9	83.4	80.7	72.4
E 36-39 Water supply, sewerage, waste management and remediation activities	407.2	395.3	430.1	424.8
F 41-43 Construction	38.9	21.1	40.7	25.1
G 45-47 Wholesale and retail trade and repair of motor vehicles and motorcycles	34.9	19.6	32.6	17.3
H 49-53 Transportation and storage	68.2	63.3	60.7	58.3
I 55-56 Accommodation	1.0	0.8	1.4	1.0
J 58-63 Information and communication	358.1	307.0	439.1	395.8
K 64-66 Financial and insurance activities	18.9	18.0	21.2	20.6
L-T 68-98 Other service activities by enterprises and members of the professions⁴	1,548.5	1,372.2	1,955.2	1,694.7
Total expenditure⁵	4,538.1	3,949.9	5,406.2	4,785.3
Of which, R&D	4,110.0	3,538.6	4,949.3	4,344.9

1 Until 2022, including “Energy and climate fund”; as of 2023, including “Climate and transformation fund”. Possible deviations from earlier publications due to subsequent changes in the allocation to the classification of economic activities are possible. Possible rounding differences.

2 Breakdown pursuant to Classification of Economic Activities - 2008 edition (based on NACE 2008 - Nomenclature statistique des activités économiques dans la Communauté européenne).

3 Including expenditures for contracts in the framework of ministerial and defence-related R&D.

4 Including research and development in business enterprise institutions.

5 Differences with regard to the figures in table 1.1.8 may be due to rounding.

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Source: Special evaluation of the Federal Ministry of Education and Research

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