■ **Table 1.1.9 1 / 2**

Federal Government expenditure on science, research and development to business enterprises, by economic activities[1]

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	195.3	291.5	236.7
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 professions**[4]	1,102.3	903.0	1,448.1	1,236.5
	Total expenditure[5]	**4,088.5**	**3,406.4**	**4,195.9**	**3,517.0**
	Of which, R&D	3,715.0	3,045.0	3,789.9	3,126.1

■ **Table 1.1.9 2 / 2**

Federal Government expenditure on science, research and development to business enterprises, by economic activities[1]

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	306.8	439.1	395.7
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 professions[4]**	1,548.5	1,371.8	1,955.2	1,694.5
	Total expenditure[5]	**4,538.1**	**3,949.4**	**5,406.2**	**4,785.0**
	Of which, R&D	4,110.1	3,538.1	4,948.8	4,344.2

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. 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: Federal Ministry of Research, Technology and Space, special evaluation

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