■ Table 1.5.1 1/2

Intramural R&D expenditures of the business enterprise sector and the share of self-financed intramural R&D expenditures, by economic activities

		Millio	ons of euros					
		Intramural R&D expenditures						
		2020		2021		20	2022	
Economic activity ¹		Total	Of which: financed by the business enterprise sector ²	Total	Of which: financed by the business enterprise sector ²	Total	Of which: financed by the business enterprise sector ²	
01-03	Agriculture, forestry, fishing	209	-	228	214	243	-	
05-09	Mining and quarrying	19	-	21	19	21	-	
C 10-33	Manufacturing	59,314	-	62,638	56,296	67,320	-	
10-12	Manufacture of food products; manufacture of tobacco products	333	-	336	328	347	-	
13-15	Manufacture of textiles and wearing apparel; manufacture of leather and related products	109	-	131	115	133	-	
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	227	-	231	185	228	_	
19	Manufacture of coke and refined petroleum products	145	-	143	z	148	-	
20	Manufacture of chemicals and chemical products	4,266	-	4,599	4,313	4,716	-	
21	Manufacture of basic pharmaceutical products and pharmaceutical preparations	5,248	-	5,527	4,480	6,089	-	
22	Manufacture of rubber and plastic products	1,278	-	1,338	1,204	1,394	-	
23	Manufacture of other non-metallic mineral products	369	_	346	310	351	-	
24	Manufacture of basic metals	504	-	502	406	426	-	
25	Manufacture of fabricated metal products, except machinery and equipment	1,010	-	1,043	887	1,059	-	
26	Manufacture of computer, electronic and optical products	8,657	-	9,034	7,584	9,628	-	
27	Manufacture of electrical equipment	2,712	-	2,885	2,630	3,160	-	
28	Manufacture of machinery and equipment n.e.c.	6,934	-	7,175	6,768	7,498	-	
29	Manufacture of motor vehicles, trailers and semi-trailers	24,417	-	26,011	24,017	28,746	-	
30	Manufacture of other transport equipment	1,789	-	1,774	1,504	1,723	-	
31-33	Manufacture of furniture; other manufacturing; repair and installation of machinery and equipment	1,315	-	1,564	Z	1,675	-	
35; 36-39	Electricity, gas, steam and air conditioning supply; water supply; sewerage, waste management and remediation activities	199		198	163	174		
41-43	Construction	109	-	119	90	123	-	
58-63	Information and communication	4,519	-	5,465	4,872	6,196	-	
64-66	Financial and insurance activities	352	-	350	Z	354	-	
69-75	Professional, scientific and technical activities	5,489	_	6,002	4,437	6,509	_	
, L, N-U	Remaining categories	820	-	739	Z	869	-	
al		71 022		75 761	67 022	<u>81 800</u>	_	
al		71,032	-	75,761	67,023	81,809		
	05-09 10-33 10-12 13-15 16-18 19 20 21 22 23 24 25 26 27 28 29 30 31-33 58-63 64-66 69-75 , L, N-U	01-03 Agriculture, forestry, fishing 05-09 Mining and quarrying 10-33 Manufacture of food products; manufacture of tobacco products 13-15 Manufacture of textiles and wearing apparel; manufacture of leather and related products 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 Manufacture of coke and refined petroleum products 20 Manufacture of basic pharmaceutical products 21 Manufacture of basic pharmaceutical products 22 Manufacture of other non-metallic mineral products 23 Manufacture of basic metals 25 Manufacture of computer, electronic and optical products 27 Manufacture of motor vehicles, trailers and semi-trailers 30 Manufacture of motor vehicles, trailers and semi-trailers 30 Manufacture of other transport equipment n.e.c. 23 Manufacture of other transport equipment n.e.c. 31-33 Manufacture of other transport equipment n.e.c. 31-33 Manufacture of furniture; 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water supply; sewerage, waste management and remediation activities19936-34Construction10936-35Information and communication4,51936-36Information and communication4,51936-37Professional, scientific and technical and semi-trailers19936-36Information and commun	Economic activity ¹ Intramural R& 2020 20 01-03 Agriculture, forestry, fishing 209 - 228 05-09 Mining and quarrying 19 - 211 10-33 Manufacturing 59,314 - 62,638 10-14 Manufacture of food products; manufacture of tobacco products 333 - 336 13-15 Manufacture of tobacco products 333 - 336 13-15 Manufacture of tobacco products 333 - 331 16-18 Manufacture of tobacco products 109 - 131 16-18 Manufacture of coke and preducts; publishing, printing and reproducts 127 - 231 19 Manufacture of coke and refined 145 - 143 20 Manufacture of tobacci pharmaceutical preparations 5,248 - 5,527 21 Manufacture of coke and refined 1,278 - 1,338 22 Manufacture of cobaci pharmaceutical preparations 5,248 -	Intramural R&D expenditures Z020 Z021 Economic activity ¹ Of which: financed by sector ¹ Total If financed by the business sector ¹ 01-03 Agriculture, forestry, fishing 200 - 228 214 05-09 Mining and quarying 19 - 221 19 10-33 Manufacture for food products; manufacture of todo products; manufacture of textiles and wearing apparel, manufacture of textiles and wearing apparel, manufacture of textiles and wearing apparel, manufacture of textiles and paper products of wood and cry (keycer) fumfurel; manufacture of opper and paper products of wood and cry (keycer) fumfurel; manufacture of obasic pharmaceutical products 109 - 131 115 16-18 Manufacture of textiles and chemical products 145 - 143 z 20 Manufacture of obasic pharmaceutical products 5,248 - 5,527 4,480 21 Manufacture of obasic pharmaceutical products 369 - 336 310 22 Manufacture of basic pharmaceutical products 369 - 5,527 4,480 23 Manufacture of obasic metals 504	Intramural R&D expenditures Economic activity ¹ 2020 2021 202 2021	

z = value not stated for reasons of confidentiality, but included in the total.

Table 1.5.1 2 / 2

Intramural R&D expenditures of the business enterprise sector and the share of self-financed intramural R&D expenditures, by economic activities

- 1 Classification of economic activities, 2008 edition (based on NACE 2008 Nomenclature statistique des activités économiques dans la Communauté européenne).
- 2 Due to different survey concepts, deviations from the data in Table 1.1.1 are possible. This information is not available in even years.

Last update: May 22, 2024

This table also appears in the Federal Report on Research and Innovation as Table 11.

Source: Special evaluation of the Stifterverband Wissenschaftsstatistik

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