

FRANCE

R&D expenditure in industry by main activity of the enterprise, current prices

ISIC Rev. 4

Million USD PPP

	2011	2012	2013	2014	2015	2016	2017	2018
TOTAL BUSINESS ENTERPRISE	34 290.4	35 581.4	37 688.6 e	38 551.3	39 279.2 e	41 436.6	43 100.6	..
01-03 AGRICULTURE, FORESTRY AND FISHING	179.9	185.4	218.3 e	224.3 e	228.4 e	262.9	273.3	..
05-09 MINING AND QUARRYING	14.1	17.5	18.4 e	18.2 e	17.8 e	18.1	22.1	..
10-33 MANUFACTURING	17 057.9	17 866.7	19 134.7 e	19 608.0 e	19 894.9 e	20 777.6	20 968.6	..
10-12 Food products, beverages and tobacco	396.1	414.1	443.4 e	470.7 e	485.1 e	483.6	499.1	..
13-15 Textiles, wearing apparel, leather and related products	134.5	134.9	153.9 e	139.7 e	140.6 e	194.1	215.7	..
13 Textiles	89.8	88.1	97.8 e	97.6 e	103.0 e	129.8	153.1	..
14 Wearing apparel	37.4	39.9	49.8 e	37.2 e	32.1 e	55.4	52.2	..
15 Leather and related products, footwear	7.2	7.0	6.3 e	4.9 e	5.5 e	9.0	10.4	..
16-18 Wood and paper products and printing	78.0	87.8	92.2 e	93.0 e	86.8 e	78.0	95.1	..
16 Wood and wood products, except furniture	17.1	22.6	22.2 e	24.0 e	24.4 e	21.0	19.7	..
17 Paper and paper products	48.5	47.3	52.2 e	47.4 e	40.0 e	42.9	53.4	..
18 Printing and reproduction of recorded media	12.5	17.9	17.3 e	21.7 e	22.4 e	14.2	22.1	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	3 166.3	3 285.7	3 436.8 e	3 478.9 e	3 543.4 e	3 693.1	3 617.8	..
19 Coke and refined petroleum products	127.8	91.8	123.5 e	110.2 e	75.2 e	70.4	60.2	..
20-21 Chemical and pharmaceutical products	1 988.2	2 031.0	2 147.1 e	2 211.7 e	2 266.8 e	2 352.1	2 405.5	..
20 Chemicals and chemical products	990.5	1 074.4	1 159.1 e	1 153.0 e	1 166.6 e	1 264.4	1 321.6	..
21 Pharmaceuticals, medicinal, chemical and botanical products	997.7	956.6	988.0 e	1 058.7 e	1 100.2 e	1 087.6	1 083.9	..
22 Rubber and plastic products	832.8	943.3	931.8 e	930.5 e	964.1 e	991.1	954.0	..
23 Other non-metallic mineral products	217.5	219.6	234.4 e	226.6 e	237.3 e	279.5	198.1	..
24-25 Basic metals, metal products, except machinery and equipment	1 074.2	1 105.3	1 161.4 e	1 157.4 e	1 123.8 e	1 122.3	1 070.1	..
24 Basic metals	289.7	290.5	304.4 e	305.1 e	259.7 e	189.2	183.1	..
25 Fabricated metal products, except machinery and equipment	784.5	814.8	857.0 e	852.2 e	864.0 e	933.2	887.0	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	11 540.5	12 107.4	13 084.9 e	13 406.2 e	13 611.7 e	14 355.5	14 427.8	..
26 Computer, electronic and optical products	3 795.6	4 007.9	4 502.6 e	4 648.8 e	4 676.9 e	4 928.8	4 909.0	..
27 Electrical equipment	771.2	790.5	810.3 e	822.0 e	835.7 e	902.0	1 091.8	..
28 Machinery and equipment n.e.c.	1 219.0	1 293.3	1 270.4 e	1 249.8 e	1 286.6 e	1 390.2	1 490.2	..
29 Motor vehicles, trailers and semi-trailers	2 280.0	2 251.7	2 341.1 e	2 382.6 e	2 608.5 e	3 123.0	3 139.0	..
30 Other transport equipment	3 474.7	3 763.9	4 160.5 e	4 303.0 e	4 204.0 e	4 011.6	3 797.8	..
31-33 Furniture; repair, installation of machinery and equipment	668.3	731.5	762.2 e	862.1 e	903.6 e	850.9	1 043.0	..
31 Furniture	20.8	20.7	22.6 e	19.6 e	15.8 e	15.3	12.7	..
32 Other manufacturing	328.3	345.5	376.2 e	404.9 e	403.8 e	388.0	455.2	..
33 Repair and installation of machinery and equipment	319.2	365.3	363.4 e	437.6 e	484.0 e	447.6	575.1	..
35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT	643.7	647.8	705.5 e	771.2 e	860.0 e	940.8	741.1	..
35-36 Electricity, gas and water	611.8	621.1	666.8 e	727.7 e	817.7 e	898.7	697.2	..
37-39 Sewerage, waste management and remediation activities	31.9	26.8	38.7 e	43.5 e	42.3 e	42.2	43.8	..
41-43 CONSTRUCTION	153.5	173.2	180.0 e	144.0 e	124.6 e	159.7	172.5	..
45-99 TOTAL SERVICES	16 241.2	16 690.9	17 431.6 e	17 785.5 e	18 153.5 e	19 277.4	20 923.0	..
45-82 Business sector services	16 177.5	16 625.1	17 352.1 e	17 709.0 e	18 061.8 e	19 128.9	20 760.3	..
45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs	1 757.4	1 819.0	2 014.8 e	2 016.3 e	2 132.7 e	2 625.1	2 746.7	..
49-53 Transportation and storage	57.6	55.5	56.5 e	148.5 e	224.4 e	203.1	226.6	..
55-56 Accommodation and food service activities	0.4	4.1	5.2 e	3.9 e	2.5 e	2.4	1.6	..
58-63 Information and communication	3 581.2	3 935.3	4 461.5 e	4 634.5 e	4 664.1 e	5 013.7	5 909.2	..
58-60 Publishing, audiovisual and broadcasting activities	939.2	1 067.4	1 214.6 e	1 259.1 e	1 316.2 e	1 485.8	1 587.0	..
58 Publishing activities	870.4	983.2	1 146.8 e	1 202.7 e	1 259.8 e	1 432.3	1 529.1	..
59-60 Motion picture, video and TV programme production; broadcasting activities	68.8	84.2	67.7 e	56.4 e	56.4 e	53.5	57.9	..
59 Motion picture, video and TV programme production; sound and music	58.9	74.9	60.8 e	52.9 e	55.4 e	53.0	54.6	..
60 Programming and broadcasting activities	10.0	9.4	7.0 e	3.5 e	1.0 e	0.5	3.2	..
61 Telecommunications	708.4	853.8	1 030.7 e	1 025.5 e	953.9 e	1 009.1	1 273.2	..
62-63 IT and other information services	1 933.6	2 014.1	2 216.2 e	2 350.0 e	2 394.1 e	2 518.8	3 049.0	..
62 Computer programming, consultancy and related activities	1 797.5	1 892.7	2 079.2 e	2 200.1 e	2 230.1 e	2 327.8	2 842.5	..
63 Information service activities	136.1	121.4	137.0 e	149.9 e	164.0 e	191.1	206.5	..
64-66 Financial and insurance activities	311.0	302.9	311.0 e	297.0 e	302.9 e	376.0	462.7	..
68-82 Real estate; professional, scientific and technical; administrative and support	10 469.8	10 508.2	10 503.2 e	10 608.8 e	10 735.1 e	10 908.8	11 413.4	..
68 Real estate activities	4.3	2.1	2.7 e	0.8 e	1.3 e	7.5	7.4	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	5 970.7	5 926.6	5 840.0 e	5 907.3 e	5 946.6 e	5 881.1	6 078.6	..
72 Scientific research and development	4 332.2	4 388.8	4 416.1 e	4 478.7 e	4 608.2 e	4 812.8	5 061.7	..
77-82 Administrative and support service activities	162.6	190.7	244.4 e	222.0 e	179.0 e	207.4	265.7	..
84-99 Community, social and personal services	63.7	65.7	79.5 e	76.6 e	91.7 e	148.5	162.7	..
84-85 Public administration and defence; compulsory social security and education	4.6	4.5	5.8 e	6.2 e	8.3 e	16.3	32.7	..
86-88 Human health and social work activities	16.9	18.0	24.7 e	26.1 e	30.0 e	44.4	53.6	..
90-93 Arts, entertainment and recreation	4.1	6.9	8.1 e	2.6 e	5.5 e	22.1	12.9	..
94-99 Other services; household-employers; extraterritorial bodies	38.2	36.4	41.0 e	41.6 e	47.9 e	65.7	63.5	..

.. Not available; e Estimated value

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