

## FRANCE

## R&amp;D expenditure in industry by industry orientation, constant prices

ISIC Rev. 4

2010 USD PPP

	2011	2012	2013	2014	2015	2016	2017	2018
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>37 007.0</b>	<b>38 091.9</b>	<b>38 636.6</b>	<b>38 946.1</b>	<b>39 279.2</b>	<b>39 775.5</b>	<b>40 462.1</b>	..
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>535.8</b>	<b>569.7</b>	<b>637.7</b>	<b>673.0 e</b>	<b>677.3 e</b>	<b>673.5</b>	<b>677.2</b>	..
<b>05-09 MINING AND QUARRYING</b>	<b>303.5</b>	<b>316.1</b>	<b>304.1</b>	<b>299.4 e</b>	<b>301.0 e</b>	<b>294.6</b>	<b>271.9</b>	..
<b>10-33 MANUFACTURING</b>	<b>28 293.5</b>	<b>28 651.0</b>	<b>28 510.3</b>	<b>28 465.6 e</b>	<b>28 568.3 e</b>	<b>28 686.8</b>	<b>28 706.7</b>	..
10-12 Food products, beverages and tobacco	778.8	786.7	829.1	844.2 e	832.3 e	809.8	788.4	..
13-15 Textiles, wearing apparel, leather and related products	179.3	159.9	176.5	190.2 e	195.8 e	198.1	200.5	..
13 Textiles	100.3	85.7	90.7	93.7 e	94.3 e	99.6	113.3	..
14 Wearing apparel	71.5	66.1	75.9	86.7 e	92.3 e	88.8	75.2	..
15 Leather and related products, footwear	7.5	8.1	9.9	9.8 e	9.3 e	9.8	12.0	..
16-18 Wood and paper products and printing	126.0	131.9	127.7	117.2 e	108.9 e	113.4	135.7	..
16 Wood and wood products, except furniture	37.0	37.9	35.1	33.1 e	33.5 e	36.4	41.6	..
17 Paper and paper products	79.5	80.6	80.1	71.6 e	60.7 e	58.4	70.1	..
18 Printing and reproduction of recorded media	9.5	13.2	12.5	12.5 e	14.6 e	18.6	24.0	..
19-23 Chemical, rubber, plastic, non-metallic mineral products	7 636.5	7 750.1	7 873.9	7 915.1 e	7 885.9 e	7 802.7	7 677.8	..
19 Coke and refined petroleum products	276.1	255.2	283.0	313.6 e	330.0 e	330.1	315.0	..
20-21 Chemical and pharmaceutical products	6 006.0	6 048.5	6 147.9	6 133.1 e	6 036.9 e	5 935.6	5 873.5	..
20 Chemicals and chemical products	1 977.0	2 077.1	2 231.8	2 278.8 e	2 243.3 e	2 202.8	2 206.5	..
21 Pharmaceuticals, medicinal, chemical and botanical products	4 028.9	3 971.4	3 916.1	3 854.3 e	3 793.7 e	3 732.8	3 667.1	..
22 Rubber and plastic products	958.0	1 048.7	1 013.7	1 025.3 e	1 079.8 e	1 099.7	1 039.5	..
23 Other non-metallic mineral products	396.4	397.6	429.3	443.2 e	439.2 e	437.3	449.7	..
24-25 Basic metals, metal products, except machinery and equipment	1 397.9	1 386.5	1 376.5	1 395.3 e	1 435.9 e	1 482.6	1 522.6	..
24 Basic metals	543.3	494.6	494.5	488.3 e	465.9 e	442.4	427.1	..
25 Fabricated metal products, except machinery and equipment	854.6	891.9	882.0	907.0 e	970.0 e	1 040.2	1 095.6	..
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	17 614.0	17 902.6	17 604.5	17 506.2 e	17 642.8 e	17 821.2	17 892.9	..
26 Computer, electronic and optical products	4 949.6	5 119.2	5 170.2	5 117.2 e	5 052.7 e	5 040.7	5 109.3	..
27 Electrical equipment	1 231.5	1 262.3	1 283.0	1 276.6 e	1 275.9 e	1 333.3	1 472.0	..
28 Machinery and equipment n.e.c.	1 311.2	1 394.1	1 392.8	1 397.2 e	1 421.9 e	1 445.9	1 454.6	..
29 Motor vehicles, trailers and semi-trailers	6 035.0	5 700.5	4 980.5	4 805.5 e	5 034.2 e	5 260.3	5 215.9	..
30 Other transport equipment	4 086.8	4 426.5	4 778.1	4 909.7 e	4 858.1 e	4 741.1	4 641.2	..
31-33 Furniture; repair, installation of machinery and equipment	560.9	533.3	521.9	497.4 e	466.7 e	459.0	488.7	..
31 Furniture	30.5	24.7	28.1	27.7 e	23.3 e	21.3	25.7	..
32 Other manufacturing	530.4	508.6	493.8	469.7 e	443.5 e	437.6	463.1	..
33 Repair and installation of machinery and equipment	0.0	0.0	0.0	0.0 e	0.0 e	0.0	0.0	..
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>752.7</b>	<b>760.5</b>	<b>785.9</b>	<b>825.6 e</b>	<b>848.5 e</b>	<b>827.7</b>	<b>752.5</b>	..
35-36 Electricity, gas and water	704.3	711.1	732.0	769.7 e	794.5 e	777.8	707.3	..
37-39 Sewerage, waste management and remediation activities	48.5	49.5	53.9	55.9 e	54.0 e	49.9	45.2	..
<b>41-43 CONSTRUCTION</b>	<b>138.4</b>	<b>148.0</b>	<b>131.0</b>	<b>124.1 e</b>	<b>129.1 e</b>	<b>136.6</b>	<b>140.0</b>	..
<b>45-99 TOTAL SERVICES</b>	<b>6 983.1</b>	<b>7 646.5</b>	<b>8 267.7</b>	<b>8 558.4 e</b>	<b>8 755.0 e</b>	<b>9 156.1</b>	<b>9 913.8</b>	..
<b>45-82 Business sector services</b>	<b>6 944.7</b>	<b>7 584.7</b>	<b>8 178.1</b>	<b>8 451.9 e</b>	<b>8 640.0 e</b>	<b>9 034.6</b>	<b>9 783.3</b>	..
45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs	0.0	0.0	0.0	0.0 e	0.0 e	0.0	0.0	..
49-53 Transportation and storage	78.1	68.3	63.5	98.5 e	154.5 e	201.5	221.2	..
55-56 Accommodation and food service activities	0.0	0.0	0.0	0.0 e	0.0 e	0.0	0.0	..
<b>58-63 Information and communication</b>	<b>4 568.8</b>	<b>4 842.8</b>	<b>5 121.5</b>	<b>5 256.4 e</b>	<b>5 327.6 e</b>	<b>5 430.7</b>	<b>5 617.7</b>	..
58-60 Publishing, audiovisual and broadcasting activities	1 147.7	1 212.2	1 329.7	1 425.0 e	1 511.6 e	1 616.8	1 753.9	..
58 Publishing activities	1 032.0	1 078.5	1 227.2	1 354.6 e	1 451.1 e	1 549.3	1 668.9	..
59-60 Motion picture, video and TV programme production; broadcasting activities	115.7	133.8	102.4	70.4 e	60.5 e	67.5	85.0	..
59 Motion picture, video and TV programme production; sound and music	58.1	72.4	52.6	36.4 e	35.9 e	40.2	41.6	..
60 Programming and broadcasting activities	57.6	61.4	49.7	34.0 e	24.7 e	27.3	43.4	..
61 Telecommunications	1 035.8	1 174.8	1 241.1	1 215.5 e	1 152.6 e	1 099.9	1 085.4	..
62-63 IT and other information services	2 385.4	2 455.8	2 550.7	2 615.9 e	2 663.3 e	2 714.0	2 778.4	..
62 Computer programming, consultancy and related activities	2 180.0	2 283.6	2 373.7	2 430.7 e	2 473.5 e	2 509.3	2 541.6	..
63 Information service activities	205.4	172.2	177.0	185.2 e	189.9 e	204.7	236.8	..
<b>64-66 Financial and insurance activities</b>	<b>250.3</b>	<b>252.5</b>	<b>251.5</b>	<b>243.1 e</b>	<b>235.8 e</b>	<b>244.3</b>	<b>275.2</b>	..
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>2 047.5</b>	<b>2 421.0</b>	<b>2 741.6</b>	<b>2 853.9 e</b>	<b>2 922.0 e</b>	<b>3 158.1</b>	<b>3 669.2</b>	..
68 Real estate activities	0.0	0.0	0.0	0.0 e	0.0 e	0.0	0.0	..
69-75x72 Professional, scientific and technical activities, except scientific R&D	1 376.4	1 591.4	1 856.0	1 913.3 e	1 893.4 e	2 019.2	2 409.8	..
72 Scientific research and development	541.6	665.4	713.9	779.8 e	876.9 e	980.1	1 071.3	..
77-82 Administrative and support service activities	129.4	164.1	171.7	160.8 e	151.7 e	158.7	188.1	..
84-99 Community, social and personal services	38.4	61.9	89.5	106.5 e	115.0 e	121.6	130.5	..
84-85 Public administration and defence; compulsory social security and education	3.4	4.6 e	4.2	3.4 e	4.3 e	10.1	22.4	..
86-88 Human health and social work activities	24.9	32.2	37.7	51.6 e	57.0 e	60.3	62.2	..
90-93 Arts, entertainment and recreation	2.7	3.8	7.4	13.5 e	16.2 e	16.1	13.7	..
94-99 Other services; household-employers; extraterritorial bodies	7.4	21.2 e	26.8	37.9 e	37.6 e	35.0	32.2	..

.. Not available; e Estimated value

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