

# FINLAND

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

ISIC Rev. 4

Million USD PPP

	2009	2010	2011	2012	2013	2014	2015	2016
<b>TOTAL BUSINESS ENTERPRISE</b>	<b>5 406.9</b>	<b>5 395.8</b>	<b>5 620.3</b>	<b>5 167.9</b>	<b>5 083.5</b>	<b>4 860.5</b>	<b>4 451.4</b>	<b>4 310.4</b>
<b>01-03 AGRICULTURE, FORESTRY AND FISHING</b>	<b>1.2</b>	<b>3.9</b>	<b>5.5</b>	<b>2.0</b>	<b>3.2</b>	<b>1.7</b>	<b>1.8</b>	<b>1.9</b>
<b>05-09 MINING AND QUARRYING</b>	<b>16.5</b>	<b>9.1</b>	<b>9.3</b>	<b>10.9</b>	<b>9.4</b>	<b>6.9</b>	<b>7.5</b>	<b>10.3</b>
<b>10-33 MANUFACTURING</b>	<b>4 328.1</b>	<b>4 298.5</b>	<b>4 318.3</b>	<b>3 728.4</b>	<b>3 626.2</b>	<b>3 446.2</b>	<b>2 987.3</b>	<b>2 769.6</b>
10-12 Food products, beverages and tobacco	63.7	71.7	71.5	65.6	75.7	78.2	66.5	53.6
13-15 Textiles, wearing apparel, leather and related products	19.1	9.6	7.6	5.4	7.0	9.7	12.2	8.4
13 Textiles	..	1.5 e	1.0 e	0.8 e	1.7 e	0.7 e	4.4	5.3
14 Wearing apparel	..	8.0 e	6.5 e	4.5 e	5.1 e	9.0 e	7.6	3.0 e
15 Leather and related products, footwear	..	0.1 e	0.1 e	0.1 e	0.1 e	0.0 e	0.1	0.0 e
16-18 Wood and paper products and printing	107.1	129.7	101.1	109.1	105.0	99.8	114.2	111.4
16 Wood and wood products, except furniture	11.4	12.0	10.7	8.5	8.4	8.8	5.6	9.3
17 Paper and paper products	87.5	112.8	84.5	94.3	90.0	85.0	99.3	94.3
18 Printing and reproduction of recorded media	8.2	4.9	5.8	6.4	6.6	6.0	9.2	7.8
19-23 Chemical, rubber, plastic, non-metallic mineral products	358.5 e	367.8	390.1 e	385.0 e	385.5 e	363.5 e	386.8 e	415.8 e
19 Coke and refined petroleum products	41.6 e	45.6	45.6 e	41.9 e	41.4 e	28.7 e	38.5 e	41.5 e
20-21 Chemical and pharmaceutical products	250.7	252.9	273.6	267.2	273.8	264.3	276.4	299.2
20 Chemicals and chemical products	128.8	135.8	143.5	117.1	141.4	115.8	133.4	140.6
21 Pharmaceuticals, medicinal, chemical and botanical products	121.9	117.0	130.1	150.1	132.4	148.5	143.0	158.5
22 Rubber and plastic products	39.2	36.0	37.2	38.6	40.0	38.0	41.0	42.6
23 Other non-metallic mineral products	27.0	33.4	33.7	37.3	30.3	32.4	30.9	32.5
24-25 Basic metals, metal products, except machinery and equipment	115.4	116.1	108.3	98.9	93.6	82.1	81.2	79.3
24 Basic metals	63.8	66.9	56.4	51.9	44.7	35.6	41.1	40.4
25 Fabricated metal products, except machinery and equipment	51.7	49.2	51.9	47.0	48.8	46.5	40.0	38.9
26-30 Computer, electronic, optical products; electrical machinery, transport equipment	3 629.6	3 569.1	3 604.0	3 023.4	2 926.6	2 783.4	2 296.8	2 066.6
26 Computer, electronic and optical products	2 939.7	2 872.9	2 794.6	2 097.5	1 966.8	1 916.4	1 504.1	1 282.7
27 Electrical equipment	236.5	258.5	289.4	318.4	331.7	334.4	258.2	246.7
28 Machinery and equipment n.e.c.	388.9	385.2	444.2	518.7	557.1	487.8	470.3	458.4
29 Motor vehicles, trailers and semi-trailers	25.7	21.5	22.9	23.2	27.8	28.3	43.9	44.7
30 Other transport equipment	38.7	31.0	52.9	65.5	43.1	16.4	20.2	34.0
31-33 Furniture; repair, installation of machinery and equipment	34.7 e	34.4	35.8 e	40.9 e	32.9 e	29.6 e	29.6 e	34.6 e
31 Furniture	7.2	6.4	8.5	9.7	7.5	6.8	5.3	4.1
32 Other manufacturing	16.7	16.2	15.4	20.3	14.7	15.3	14.3	19.8
33 Repair and installation of machinery and equipment	10.8 e	11.8	11.8 e	10.9 e	10.7 e	7.5 e	10.0 e	10.8 e
<b>35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT</b>	<b>43.3</b>	<b>45.6</b>	<b>57.4</b>	<b>62.4</b>	<b>53.5</b>	<b>40.6</b>	<b>44.3</b>	<b>71.7</b>
35-36 Electricity, gas and water	15.8	23.5	26.0	33.7	27.7	21.1	23.6	50.0
37-39 Sewerage, waste management and remediation activities	27.5	22.1	31.4	28.7	25.7	19.6	20.7	21.7
<b>41-43 CONSTRUCTION</b>	<b>48.8</b>	<b>64.3</b>	<b>55.3</b>	<b>56.5</b>	<b>50.4</b>	<b>87.9</b>	<b>110.9</b>	<b>112.5</b>
<b>45-99 TOTAL SERVICES</b>	<b>969.0</b>	<b>974.4</b>	<b>1 174.5</b>	<b>1 307.7</b>	<b>1 340.9</b>	<b>1 277.3</b>	<b>1 299.7</b>	<b>1 344.6</b>
<b>45-82 Business sector services</b>	<b>956.7</b>	<b>954.2</b>	<b>1 153.6</b>	<b>1 278.5</b>	<b>1 315.6</b>	<b>1 248.3</b>	<b>1 269.0</b>	<b>1 309.2</b>
<b>45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs</b>	<b>82.0</b>	<b>80.2</b>	<b>101.7</b>	<b>129.0</b>	<b>93.4</b>	<b>79.4</b>	<b>95.9</b>	<b>98.8</b>
<b>49-53 Transportation and storage</b>	<b>20.0</b>	<b>11.7</b>	<b>17.3</b>	<b>19.6</b>	<b>17.2</b>	<b>16.1</b>	<b>18.6</b>	<b>16.8</b>
<b>55-56 Accommodation and food service activities</b>	<b>..</b>	<b>0.7</b>	<b>0.7</b>	<b>1.1</b>	<b>0.5 e</b>	<b>0.1 e</b>	<b>0.1 e</b>	<b>0.1 e</b>
<b>58-63 Information and communication</b>	<b>417.9</b>	<b>460.3</b>	<b>500.5</b>	<b>514.4</b>	<b>602.6</b>	<b>563.4</b>	<b>603.3</b>	<b>639.4</b>
58-60 Publishing, audiovisual and broadcasting activities	11.5	57.8	64.4	64.0	75.2	90.2	93.9	66.6
58 Publishing activities	9.3	55.6	61.3	62.2	74.1	86.6	90.8	64.1
59-60 Motion picture, video and TV programme production; broadcasting activities	2.2	2.2	3.1	1.8	1.1	3.5	3.2	2.4
59 Motion picture, video and TV programme production; sound and music	..	2.1	..	..	..	..	..	..
60 Programming and broadcasting activities	..	0.1	..	..	..	..	..	..
61 Telecommunications	50.5	48.7	42.3	27.4	38.8	40.0	34.9	34.0
62-63 IT and other information services	355.9	353.8	393.8	423.0	488.6	433.3	474.4	538.8
62 Computer programming, consultancy and related activities	341.7	337.1	383.3	416.9	473.4	409.9	454.6	516.5
63 Information service activities	14.2	16.7	10.5	6.1	15.2	23.4	19.8	22.3
<b>64-66 Financial and insurance activities</b>	<b>77.0</b>	<b>76.2</b>	<b>79.3</b>	<b>94.8</b>	<b>75.6</b>	<b>103.7</b>	<b>139.2</b>	<b>106.2</b>
<b>68-82 Real estate; professional, scientific and technical; administrative and support</b>	<b>359.9</b>	<b>325.1</b>	<b>454.1</b>	<b>519.6</b>	<b>526.3 e</b>	<b>485.7 e</b>	<b>411.9 e</b>	<b>448.0 e</b>
68 Real estate activities	..	2.6	3.1	3.2	1.4 e	0.2 e	0.3 e	0.2 e
69-75x72 Professional, scientific and technical activities, except scientific R&D	188.1	190.6	170.0	192.3	154.1	140.4	189.7	183.1
72 Scientific research and development	171.8	128.7	276.4	318.8	367.1	338.1	216.2	253.5
77-82 Administrative and support service activities	..	3.3	4.5	5.3	3.5	6.8	5.7	11.3
84-99 Community, social and personal services	12.3	20.2	21.0	29.2	25.3	29.0	30.7	35.5
84-85 Public administration and defence; compulsory social security and education	..	0.0	1.4 e	3.3	1.4	1.9 e	0.0	0.1
86-88 Human health and social work activities	..	2.8	3.0	4.0	5.3	2.2	2.9	3.1
90-93 Arts, entertainment and recreation	..	14.5	13.2 e	16.8	16.7	22.5	26.2	30.8
94-99 Other services; household-employers; extraterritorial bodies	..	2.9	3.4 e	5.1	1.9	2.4 e	1.5	1.4

.. Not available; e Estimated value

Note: Detailed metadata at: <http://metalinks.oecd.org/anberd/20181213/8c73>.

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