

**Table 23. Business enterprise expenditure on R&D (BERD)  
at current prices and PPP**

Million USD

	2005	2016	2017	2018	2019	2020	2021
Australia	7 515.5	..	11 801.7	..	12 278.7	..	..
Austria	4 770.9 <sup>e</sup>	10 071.0 <sup>b,e</sup>	10 178.5	10 874.3 <sup>e</sup>	11 678.9	11 366.1 <sup>e</sup>	11 906.1 <sup>e</sup>
Belgium	4 233.8	9 532.2	10 744.3	12 307.6	14 925.5	15 604.4 <sup>e</sup>	16 519.5 <sup>p</sup>
Canada	12 886.0 <sup>d</sup>	15 511.4	15 699.0	17 286.0	17 753.0	18 404.3	18 951.1 <sup>p</sup>
Chile	..	594.1	550.2	591.3 <sup>e</sup>	560.0 <sup>e</sup>	573.5 <sup>e</sup>	..
Colombia	109.6	716.7	635.0	982.7	1 219.3 <sup>e</sup>	1 151.9 <sup>e</sup>	..
Czech Republic	1 523.5 <sup>b</sup>	3 894.6	4 572.2	5 145.2	5 605.8	5 545.7	6 006.1 <sup>p</sup>
Denmark	3 023.3	5 991.4	5 931.2	6 235.1	6 266.2	6 485.9	6 640.2 <sup>p</sup>
Estonia	93.2	263.7	268.5	287.4	450.2	504.6	566.0 <sup>p</sup>
Finland	3 958.3	4 429.2	4 664.2	4 951.0	5 257.4	5 642.4	6 231.4
France	24 554.5	41 440.8	42 875.9	44 994.1	49 170.6	49 463.4	50 472.7
Germany	44 288.0	83 477.7	92 358.9	98 037.3	104 126.5	97 965.4 <sup>e</sup>	102 095.3 <sup>p</sup>
Greece	504.0	1 257.9	1 728.6	1 858.0	1 963.8	2 113.3	2 281.9 <sup>p</sup>
Hungary	685.1 <sup>d</sup>	2 398.7 <sup>d</sup>	2 779.9 <sup>d</sup>	3 555.5 <sup>b,d</sup>	3 744.2 <sup>d</sup>	4 057.4 <sup>d</sup>	4 423.6 <sup>d</sup>
Iceland	152.9	243.9 <sup>d,e</sup>	256.1 <sup>d</sup>	259.7 <sup>d,e</sup>	345.8 <sup>d</sup>	336.8 <sup>d,e</sup>	435.7 <sup>d</sup>
Ireland	1 314.6	2 886.6 <sup>e</sup>	3 487.2	3 506.3 <sup>e</sup>	4 041.2	4 259.4 <sup>e</sup>	4 513.8 <sup>p</sup>
Israel	5 677.4 <sup>d</sup>	12 629.5 <sup>d</sup>	13 953.2 <sup>d</sup>	15 015.5 <sup>d</sup>	17 280.4 <sup>d</sup>	19 114.3 <sup>d</sup>	20 865.3 <sup>d,e</sup>
Italy	9 186.6	20 110.4 <sup>b</sup>	21 510.6	23 390.5	25 258.6	23 877.5	25 132.9
Japan	98 384.0	126 216.4	131 290.7	136 634.0	136 339.7	135 012.0	139 020.8
Korea	23 531.2 <sup>d</sup>	62 822.4	71 695.7	80 520.2	83 494.2	87 868.8	94 639.1
Latvia	66.9	55.7	77.4	94.5	105.4	133.4	149.6 <sup>p</sup>
Lithuania	73.54	261.29	315.02	399.26	479.71	598.01	666.60
Luxembourg	431.1	463.7	473.9	441.9	476.3	412.0	399.2 <sup>p</sup>
Mexico	2 510.0	2 053.8	1 818.8 <sup>e</sup>	1 645.3 <sup>e</sup>	1 566.4 <sup>e</sup>	1 490.6 <sup>e</sup>	..
Netherlands	5 761.6	12 581.6	13 638.0	14 159.1	15 215.2	16 129.0	16 921.6 <sup>p</sup>
New Zealand	495.1	..	1 491.3	1 637.3	1 912.2	2 011.0	..
Norway	1 752.6	3 360.3	3 732.6	3 912.1	4 232.3	4 271.5	4 620.8 <sup>p</sup>
Poland	947.8	6 799.5 <sup>b</sup>	7 614.9	9 694.9	11 042.5	11 655.4	13 036.2 <sup>p</sup>
Portugal	695.5	2 023.9	2 264.2	2 493.9	2 810.8	3 309.0	3 718.4 <sup>p</sup>
Slovak Republic	219.8	641.3	784.8	772.0	822.8	872.4	964.6
Slovenia	398.0	1 065.1	1 052.3	1 167.1	1 324.4	1 349.6	1 455.1 <sup>p</sup>
Spain	7 128.0	11 088.6	12 252.3	13 366.6	14 260.0	14 108.5	15 486.4 <sup>p</sup>
Sweden	7 564.0 <sup>b</sup>	11 307.5 <sup>e</sup>	12 531.6	12 832.5 <sup>e</sup>	14 082.1	14 673.2	15 078.5
Switzerland	..	..	11 888.1	..	13 433.5	..	..
Türkiye	1 554.8	10 764.3	12 269.6	14 265.1	15 826.4	16 458.7	20 609.5
United Kingdom	18 809.0	51 722.1 <sup>p</sup>	54 535.4 <sup>p</sup>	59 607.6 <sup>p</sup>	62 083.8 <sup>p</sup>	64 167.0 <sup>p</sup>	69 284.7 <sup>p</sup>
United States	226 159.0 <sup>d</sup>	390 336.0 <sup>b</sup>	416 601.0	457 861.0	508 420.0	554 742.0	625 486.0 <sup>p</sup>
EU27 (from 01/02/2020)	122 200.5 <sup>e</sup>	234 665.7 <sup>e</sup>	255 018.9 <sup>e</sup>	273 860.5 <sup>e</sup>	296 743.1 <sup>e</sup>	293 857.1 <sup>e</sup>	308 796.5 <sup>e</sup>
<b>OECD-Total</b>	<b>537 421.9<sup>e</sup></b>	<b>933 761.8<sup>e</sup></b>	<b>1 000 315.8<sup>e</sup></b>	<b>1 085 446.2<sup>e</sup></b>	<b>1 169 860.7<sup>e</sup></b>	<b>1 223 210.5<sup>e</sup></b>	<b>1 334 578.8<sup>e</sup></b>
Argentina	716.1	1 121.6	1 565.2	1 604.0	1 768.6	1 853.6	..
China	58 904.9	304 448.6	326 502.0	360 203.6	402 101.3	..	..
Romania	420.0	1 270.1	1 517.5	1 699.2	1 762.9	1 763.3	1 982.5 <sup>p</sup>
Russian Federation	12 317.7	22 903.7	25 408.6	23 291.2	27 713.3	27 141.5	..
Singapore	3 560.1	6 029.3	6 010.5	6 123.2	6 748.4	7 846.3	..
South Africa	2 318.5	2 399.9	2 467.7	2 214.2	1 598.0	..	..
Chinese Taipei	10 252.5	26 622.0	28 869.4	32 393.0	35 684.3	39 570.2	46 684.8

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