

ROMANIA

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

ISIC Rev. 4

2010 USD PPP

| | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
| TOTAL BUSINESS ENTERPRISE | 638.2 | 602.0 | 628.7 | 669.6 | 437.1 | 602.6 | 848.2 | 1 101.9 |
| 01-03 AGRICULTURE, FORESTRY AND FISHING | 60.2 | 88.4 | 3.3 | 5.7 | 6.3 | 7.4 | 9.9 | 13.1 |
| 10-09 MINING AND QUARRYING | 12.8 | 0.8 | 0.0 e | 0.1 | 0.4 e | 16.6 | 19.1 | 11.8 |
| 10-33 MANUFACTURING | 289.0 | 243.8 | 326.4 | 280.5 | 229.9 | 311.4 | 349.6 | 403.0 |
| 10-12 Food products, beverages and tobacco | 3.9 | 1.5 | 4.1 | 10.1 | 10.6 | 29.4 | 4.3 | 4.6 |
| 13-15 Textiles, wearing apparel, leather and related products | 1.3 | 2.2 | 0.9 e | 5.3 | 2.4 | 2.4 | 1.9 | 1.3 |
| 13 Textiles | 0.4 e | 0.6 | 0.1 e | 0.6 e | 0.1 | 0.3 | 0.1 | 0.2 |
| 14 Wearing apparel | 0.5 e | 0.1 | 0.2 e | 0.6 e | 0.3 | 1.2 | 1.5 | 0.7 |
| 15 Leather and related products, footwear | 0.4 e | 1.5 | 0.6 e | 4.1 | 2.0 | 0.3 | 0.2 | 0.4 |
| 16-18 Wood and paper products and printing | 0.1 e | 0.1 e | 0.0 e | 0.0 e | 0.1 e | 0.8 | 0.2 | 0.0 |
| 16 Wood and wood products, except furniture | .. | .. | .. | .. | .. | .. | .. | .. |
| 17 Paper and paper products | .. | .. | .. | .. | .. | .. | .. | .. |
| 18 Printing and reproduction of recorded media | .. | .. | .. | .. | .. | .. | .. | .. |
| 19-23 Chemical, rubber, plastic, non-metallic mineral products | 53.6 | 51.9 | 95.6 e | 33.0 e | 30.5 e | 42.5 | 32.4 | 41.2 |
| 19 Coke and refined petroleum products | 1.2 | 0.8 | 0.0 | 0.0 e | 0.0 e | 0.0 | 0.0 | 0.0 |
| 20-21 Chemical and pharmaceutical products | 48.7 | 47.7 | 83.6 | 28.4 | 26.4 | 41.8 | 31.7 | 40.0 |
| 20 Chemicals and chemical products | 42.2 | 39.6 | 59.5 | 3.3 | 3.1 | 5.8 | 6.0 | 7.9 |
| 21 Pharmaceuticals, medicinal, chemical and botanical products | 6.4 | 8.1 | 24.1 | 25.1 | 23.4 | 35.9 | 25.7 | 32.1 |
| 22 Rubber and plastic products | 2.5 | 1.8 | 11.8 | 3.0 | 3.8 | 0.2 | 0.1 | 0.8 |
| 23 Other non-metallic mineral products | 1.2 | 1.5 | 0.2 e | 1.7 | 0.3 | 0.6 | 0.6 | 0.5 |
| 24-25 Basic metals, metal products, except machinery and equipment | 13.8 | 10.8 | 15.5 | 8.0 | 8.9 | 9.9 | 7.6 | 8.2 |
| 24 Basic metals | 6.6 | 5.7 | 11.1 | 3.7 | 4.5 | 4.6 | 2.0 | 1.6 |
| 25 Fabricated metal products, except machinery and equipment | 7.2 | 5.2 | 4.4 | 4.2 | 4.4 | 5.3 | 5.6 | 6.6 |
| 26-30 Computer, electronic, optical products; electrical machinery, transport equipment | 198.9 | 163.3 | 209.0 | 217.1 | 175.1 | 221.2 | 299.3 | 343.4 |
| 26 Computer, electronic and optical products | 15.0 | 13.8 | 13.4 | 56.8 | 37.3 | 15.0 | 34.8 | 39.0 |
| 27 Electrical equipment | 17.0 | 17.1 | 44.7 | 17.5 | 13.5 | 12.6 | 21.2 | 25.2 |
| 28 Machinery and equipment n.e.c. | 18.6 | 17.4 | 6.6 | 19.3 | 12.2 | 12.2 | 8.3 | 6.6 |
| 29 Motor vehicles, trailers and semi-trailers | 122.8 | 95.7 | 137.6 | 116.2 | 106.6 | 173.3 | 233.9 | 270.1 |
| 30 Other transport equipment | 25.5 | 19.3 | 6.7 | 7.3 | 5.5 | 8.2 | 1.0 | 2.5 |
| 31-33 Furniture; repair, installation of machinery and equipment | 17.5 e | 14.0 e | 1.3 | 7.1 e | 2.1 e | 5.8 | 3.9 | 4.2 |
| 31 Furniture | 0.2 e | 0.2 e | 0.1 e | 0.1 e | 0.1 e | 0.5 | 0.1 | 0.6 |
| 32 Other manufacturing | 10.5 | 10.6 | 0.0 e | 2.2 | 0.7 | 1.2 | 1.2 | 2.1 |
| 33 Repair and installation of machinery and equipment | 6.7 | 3.2 | 1.2 e | 4.8 | 1.3 | 4.1 | 2.6 | 1.5 |
| 35-39 ELECTRICITY, GAS, WATER AND WASTE MANAGEMENT | 46.7 | 68.6 | 0.6 e | 3.1 | 1.5 | 1.3 | 1.3 | 0.8 |
| 35-36 Electricity, gas and water | 46.6 | 68.3 | 0.2 e | 2.6 | 1.2 e | 1.1 e | 1.1 | 0.6 |
| 37-39 Sewerage, waste management and remediation activities | 0.2 | 0.3 | 0.4 e | 0.6 | 0.3 e | 0.2 e | 0.2 | 0.2 |
| 41-43 CONSTRUCTION | 13.3 | 8.0 | 6.4 | 0.4 | 0.4 e | 1.1 | 1.1 | 1.1 |
| 45-99 TOTAL SERVICES | 216.2 | 192.3 | 291.9 | 379.7 | 198.5 | 264.8 | 467.1 | 672.1 |
| 45-82 Business sector services | 215.6 | 190.9 | 291.8 | 377.0 | 198.5 | 262.2 | 465.2 | 669.8 |
| 45-47 Wholesale and retail trade; motor vehicle and motorcycle repairs | 6.6 | .. | 14.3 | 27.7 | 16.6 | 30.7 | 12.5 | 25.6 |
| 49-53 Transportation and storage | .. | .. | 4.0 | .. | .. | 11.3 | 0.3 | 0.8 |
| 55-56 Accommodation and food service activities | .. | .. | .. | 1.7 | 1.2 | 0.6 | 0.0 | 0.0 |
| 58-63 Information and communication | 91.8 | 73.3 | 110.8 | 119.1 | 42.7 | 64.5 | 112.4 | 239.3 |
| 58-60 Publishing, audiovisual and broadcasting activities | 47.1 | 49.0 | 54.1 | 2.0 | 0.0 | 9.0 | 28.4 | 105.9 |
| 58 Publishing activities | .. | .. | .. | 1.9 | .. | .. | .. | .. |
| 59-60 Motion picture, video and TV programme production; broadcasting activities | .. | .. | .. | 0.1 | .. | .. | .. | .. |
| 59 Motion picture, video and TV programme production; sound and music | .. | .. | .. | .. | .. | .. | .. | .. |
| 60 Programming and broadcasting activities | .. | .. | .. | .. | .. | .. | .. | .. |
| 61 Telecommunications | .. | .. | .. | 12.3 | 1.1 | 2.3 | 1.2 | 24.9 |
| 62-63 IT and other information services | .. | .. | .. | 104.8 | 41.6 | 53.2 | 82.8 | 108.6 |
| 62 Computer programming, consultancy and related activities | 43.3 | 24.2 | 55.1 | 71.6 | 29.8 | 53.2 | 82.6 | 108.1 |
| 63 Information service activities | .. | .. | .. | 33.3 | 11.8 | 0.1 | 0.2 | 0.5 |
| 64-66 Financial and insurance activities | .. | .. | .. | .. | .. | .. | 0.0 | 0.0 |
| 68-82 Real estate; professional, scientific and technical; administrative and support | 117.2 | 116.8 | 161.3 | 228.5 | .. | .. | 340.1 | 404.0 |
| 68 Real estate activities | 0.0 | 0.0 | 0.0 e | 2.5 | .. | .. | 0.0 | 0.0 |
| 69-75x72 Professional, scientific and technical activities, except scientific R&D | 8.7 | 18.5 | 28.7 | 44.1 | 14.7 | 13.9 | 151.4 | 251.5 |
| 72 Scientific research and development | 107.2 | 90.1 | 132.2 | 179.3 | 122.2 | 139.3 | 188.6 | 152.3 |
| 77-82 Administrative and support service activities | 1.3 | 8.2 | 0.3 e | 2.5 | .. | 1.8 | 0.1 | 0.1 |
| 84-99 Community, social and personal services | 0.6 | 1.4 | 0.1 | 2.7 | 0.0 | 2.6 | 2.0 | 2.3 |
| 84-85 Public administration and defence; compulsory social security and education | .. | .. | .. | .. | .. | .. | .. | .. |
| 86-88 Human health and social work activities | .. | .. | .. | .. | .. | .. | .. | .. |
| 90-93 Arts, entertainment and recreation | .. | .. | .. | .. | .. | .. | .. | .. |
| 94-99 Other services; household-employers; extraterritorial bodies | .. | .. | .. | .. | .. | .. | .. | .. |

.. Not available; e Estimated value

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

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