

Fig. 13 Intramural R&D expenditures and R&D personnel of the economy, by industry sectors (2013-2015)

Economic activity ¹	Intramural R&D expenditures (in millions of euros)			R&D personnel (in full-time equivalents)		
	2013	2014	2015 ²	2013	2014	2015 ²
A 01-03 Agriculture, forestry and fishing	144	137	153	1,338	1,466	1,518
B 05-09 Mining and quarrying	15	12	15	161	162	160
C 10-33 Manufacturing	46,049	49,482	52,903	298,838	310,533	332,047
10-12 Food products, beverages and tobacco products	315	318	335	2,654	2,663	2,627
13-15 Textiles, apparel, leather	113	115	127	1,350	1,271	1,621
16-18 Wood products, paper products, printing	227	224	206	1,766	1,816	1,794
19 Coke and refined petroleum products	94	119	135	309	318	354
20 Chemicals and chemical products	3,347	3,629	3,846	21,481	22,795	24,048
21 Basic pharmaceutical products and pharmaceutical preparations	4,075	4,035	3,999	18,767	19,259	18,589
22 Rubber and plastic products	970	1,014	1,105	7,782	8,275	8,272
23 Glass, ceramics and non-metallic mineral products	292	302	336	2,841	2,982	3,094
24 Basic metals	530	535	599	4,241	4,296	4,629
25 Fabricated metal products	743	750	833	7,217	7,323	8,017
26 Computer, electronic and optical products	7,342	7,507	7,650	56,346	57,630	62,077
27 Electrical equipment	2,130	2,172	2,243	19,859	19,534	20,865
28 Machinery and equipment	5,388	5,651	5,634	41,941	42,971	44,279
29 Motor vehicles, trailers and semi-trailers	17,187	19,678	21,741	92,815	99,946	109,725
30 Other transport equipment	2,018	2,068	2,009	11,607	11,691	11,834
31-33 Other manufacturing of products	1,279	1,367	2,107	7,861	7,763	10,222
D 35-39 Electricity supply; water supply, waste management	209	195	181	1,020	951	972
F 41-43 Construction	80	80	87	1,016	1,062	1,018
J 58-63 Information and communication	3,170	3,229	3,241	23,240	23,475	23,125
K 64-66 Financial and insurance activities	290	318	286	1,483	1,466	1,474
M 69-75 Professional, scientific and technical activities	3,201	3,134	5,008	29,069	28,493	50,591
Remaining categories	408	409	551	4,210	4,098	5,153
Total	53,566	56,996	62,425	360,375	371,706	416,059

Explanation of abbreviations/symbols: R&D = research and development.

1) Classification of economic activities, 2008 edition.

2) Preliminary results.

Source: Stifterverband Wissenschaftsstatistik (Forschung und Entwicklung in der Wirtschaft 2015, Tabelle 2)

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