

Internal corporate R&D expenditure by origin of funds, business sector, company size and technology category in 2017

	Internal R&D expenditure				
	Total	of which funded by			
			Business sector	Public sector	Other domestic entities (e.g. universities)
		in 1,000 euro	in percent		
All researching companies	68,787,323	90.4	3.2	0.1	6.3
Manufacturing	58,493,502	91.6	1.8	0.1	6.5
Chemical industry	4,065,084	91.1	1.4	0.0	7.5
Pharmaceutical industry	4,630,940	80.2			18.9
Plastics, glass, and ceramics	1,468,445	94.9	2.7	0.2	2.2
Metal production and processing	1,499,201	80.2	8.3	0.3	11.2
Electrical engineering/electronics	10,431,420	89.7	2.7	0.0	7.6
Mechanical engineering	7,116,706	95.6	2.3	0.1	2.0
Vehicle construction	27,431,531	93.7	1.0	0.2	5.2
Other manufacturing industries	1,850,175	93.0	4.3	0.1	2.6
Remaining sectors	10,293,822	86.1	9.5	0.1	4.2
< 100 employees	3,153,908	70.8	21.6	0.5	7.1
100–499 employees	5,731,228	84.5	8.0	0.2	7.3
500–999 employees	4,098,690	88.5	6.2	0.1	5.2
≥ 1,000 employees	55,803,497	92.3	1.4	0.1	6.2
Technology categories in industry					
Cutting-edge technology (> 9 percent of costs/turnover spent on R&D)	14,263,536	84.5	3.4	0.0	12.0
High-value technology (3–9 percent of costs/turnover spent on R&D)	38,768,519	94.3	0.9	0.1	4.6

Internal R&D: R&D that is conducted within the company, either for the company's own purposes or commissioned by a third party.

Source: SV Wissenschaftsstatistik in Gehrke et al. (2020).

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