

■ Table 1.8.7 1 / 2

**Innovation intensity, by sector groups and employment size classes<sup>12</sup>**

		Share in %				
	Economic activity	2013	2014	2015	2016	2017
<b>B 05-09</b>	<b>Mining and quarrying</b>	1.8	2.0	2.0	1.3	1.3
<b>C 10-33</b>	<b>Manufacturing</b>	5.6	5.5	5.7	5.9	5.8
C 10-12	Manufacture of food products, beverages and tobacco products	1.5	1.3	1.2	1.0	1.5
C 13-15	Manufacture of textiles, wearing apparel and of leather and related products	3.6	2.7	3.3	3.2	3.3
C 16-18	Manufacture of wood (except furniture), paper and paper products; printing and reproduction of recorded media	1.7	1.7	1.9	1.8	1.4
C 19	Manufacture of coke and refined petroleum	0.2	0.3	0.4	0.4	0.2
C 20	Manufacture of chemicals and chemical products	4.4	4.4	4.5	4.8	5.0
C 21	Manufacture of basic pharmaceutical products and pharmaceutical preparations	17.6	17.6	18.1	18.1	20.7
C 22	Manufacture of rubber and plastic products	2.5	2.7	2.8	2.9	3.2
C 23	Manufacture of other non-metallic mineral products	2.2	2.9	2.2	2.0	2.9
C 24	Manufacture of basic metals	1.9	2.0	1.9	2.3	2.0
C 25	Manufacture of fabricated metal products, except machinery and equipment	3.0	2.2	1.9	2.4	2.4
C 26	Manufacture of computer, electronic and optical	11.3	12.4	13.4	13.3	13.2
C 27	Manufacture of electrical equipment	8.0	7.3	7.7	8.2	8.3
C 28	Manufacture of machinery and equipment n.e.c.	5.7	5.7	5.9	6.1	5.8
C 29	Manufacture of motor vehicles, trailers and semi-trailers	10.8	10.0	10.0	9.8	9.4
C 30	Manufacture of other transport equipment	9.5	9.3	8.9	9.1	8.3
C 31-32	Manufacture of furniture; other manufacturing	3.2	3.2	3.4	3.2	3.5
C 33	Repair and installation of machinery and equipment	3.1	3.2	2.7	2.4	2.2
<b>D 35, E 36-39</b>	<b>Electricity, gas, steam and air conditioning supply; water supply; sewerage, waste management and remediation activities</b>	0.8	0.8	0.9	0.7	0.6
D 35	Electricity, gas, steam and air conditioning supply	0.8	0.8	0.9	0.7	0.6
E 36-37	Water collection, treatment and supply; sewerage	1.5	1.5	1.6	2.3	1.0
E 38-39	Waste collection, treatment and disposal activities; materials recovery; remediation activities and other waste management services	0.9	0.9	1.2	0.7	0.8
<b>G 46; H 49-53; J 58-63; K 64-66; M 69/70.2, 71-74; N 78-82</b>	<b>Business-related services</b>	1.2	1.2	1.3	1.4	1.4
G 46	Wholesale trade (except of motor vehicles and motorcycles)	0.2	0.2	0.2	0.3	0.2
H 49-53	Transportation and storage	2.3	1.9	2.2	2.4	2.2
J 58-60	Publishing activities; motion picture, video and television programme production, sound recording and music publishing activities; programming and broadcasting activities	2.5	2.5	2.5	2.4	2.8
J 61-63	Telecommunications; computer programming, consultancy and related activities; information service activities	7.6	6.8	7.0	6.3	7.0
K 64-66	Financial and insurance activities	0.5	0.7	0.7	0.7	0.8
M 69/70.2	Legal and accounting activities; management consultancy activities	1.5	1.2	1.0	0.9	1.1
M 71-72	Architectural and engineering activities; technical testing and analysis; scientific research and development	6.4	6.5	8.0	8.0	8.0
M 73-74	Advertising and market research; other professional, scientific and technical activities	2.1	1.0	1.8	1.9	2.5
N 78-82	Other business services	0.7	0.7	0.8	0.9	0.8

■ Table 1.8.7 2 / 2

**Innovation intensity, by sector groups and employment size classes<sup>12</sup>**

Employment size class		Share in %				
		2013	2014	2015	2016	2017
Enterprises with employees						
5	to 9	1.2	1.4	1.2	1.9	1.9
10	to 19	1.6	1.2	1.5	1.8	1.7
20	to 49	1.5	1.3	1.5	1.5	1.5
50	to 99	1.4	1.2	1.4	1.4	1.4
100	to 249	1.3	1.3	1.6	1.3	1.5
<b>Subtotal</b>		1.4	1.3	1.5	1.5	1.5
250	to 499	1.8	1.7	1.8	1.6	1.7
500	to 999	1.7	1.8	1.8	1.6	1.8
1,000	and more	4.5	4.6	4.8	5.2	5.2
<b>Subtotal</b>		3.6	3.6	3.8	3.9	4.0
<b>Total</b>		<b>2.8</b>	<b>2.8</b>	<b>3.0</b>	<b>3.1</b>	<b>3.1</b>

1 Innovation intensity: the ratio of innovation expenditure to turnover. 2017 data provisional. All data are projected on the population of enterprises with 5 or more employees. 2016 data revised with respect to last year's report.

2 Classification of Economic Activities - 2008 edition (based on NACE 2008 - Nomenclature statistique des activités économiques dans la Communauté européenne).

Last update: February 2019

This table also appears in the Federal Report on Research and Innovation as Table 42.

Source: Centre for European Economic Research - Mannheim Innovation Panel, special evaluation

This work is licensed under a Data licence Germany attribution 2.0.

<https://www.govdata.de/dl-de/by-2-0>