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Product innovation rate with market innovations, by sector groups and employment size classes^{1,2}

		Share in %				
Economic activity/Employment size class		2017	2018	2019	2020	2021
B 05-09	Mining and quarrying	0.5	5.2	10.1	6.6	3.6
C 10-33	Manufacturing	14.0	15.3	11.8	11.4	10.5
C 10-12	Manufacture of food products, beverages and tobacco products	3.4	9.2	4.9	3.4	2.6
C 13-15	Manufacture of textiles, wearing apparel and of leather and related products	14.1	9.5	11.5	9.9	10.3
C 16-18	Manufacture of wood (except furniture), paper and paper products; printing and reproduction of recorded media	7.3	7.0	6.2	8.5	5.1
C 19	Manufacture of coke and refined petroleum products	16.5	19.9	13.6	18.2	30.1
C 20	Manufacture of chemicals and chemical products	23.3	33.4	23.8	22.0	22.3
C 21	Manufacture of basic pharmaceutical products and pharmaceutical preparations	29.8	29.1	29.6	26.9	22.7
C 22	Manufacture of rubber and plastic products	13.2	20.3	9.5	9.0	11.1
C 23	Manufacture of other non-metallic mineral products	20.5	16.5	20.6	12.7	13.4
C 24	Manufacture of basic metals	16.2	13.1	17.8	17.6	11.3
C 25	Manufacture of fabricated metal products, except machinery and equipment	7.9	8.4	6.6	8.2	4.1
C 26	Manufacture of computer, electronic and optical products	35.6	38.6	34.8	31.5	31.7
C 27	Manufacture of electrical equipment	17.7	17.0	18.0	18.6	15.6
C 28	Manufacture of machinery and equipment n.e.c.	29.5	25.7	24.8	24.4	21.9
C 29	Manufacture of motor vehicles, trailers and semi-trailers	27.2	18.8	30.2	21.9	17.3
C 30	Manufacture of other transport equipment	49.7	26.8	19.2	22.6	23.0
C 31-32	Manufacture of furniture; other manufacturing	14.5	14.9	6.9	4.3	12.5
C 33	Repair and installation of machinery and equipment	10.7	19.3	7.0	9.5	9.5
D 35, E 36-39	Electricity, gas, steam and air conditioning supply; water supply; sewerage, waste management and remediation activities	0.7	5.3	1.1	3.4	4.6
D 35	Electricity, gas, steam and air conditioning supply	1.9	6.3	2.9	4.9	2.6
E 36-37	Water collection, treatment and supply; sewerage	0.4	9.0	0.3	0.9	1.7
E 38-39	Waste collection, treatment and disposal activities; materials recovery; remediation activities and other waste management services	0.2	3.0	0.7	3.8	7.2
G 46; H 49-53; J 58-63; K 64-66; M 69/70.2, 71-74; N 78-82	Business-related services	4.7	6.8	6.1	5.2	4.7
G 46	Wholesale trade (except of motor vehicles and motorcycles)	2.1	8.0	3.6	5.8	3.8
H 49-53	Transportation and storage	1.6	2.1	5.5	1.4	2.0
J 58-60	Publishing activities; motion picture, video and television programme production, sound recording and music publishing activities; programming and broadcasting activities	13.1	8.5	6.2	9.3	9.2
J 61-63	Telecommunications; computer programming, consultancy and related activities; information service activities	16.3	18.2	22.1	12.9	15.7
K 64-66	Financial and insurance activities	7.5	11.6	10.6	4.9	4.0
M 69/70.2	Legal and accounting activities; management consultancy activities	1.8	4.3	3.4	5.5	2.6
M 71-72	Architectural and engineering activities; technical testing and analysis; scientific research and development	8.7	8.5	5.7	5.8	10.0
M 73-74	Advertising and market research; other professional, scientific and technical activities	7.4	8.9	10.6	9.1	1.4
N 78-82	Other business services	2.7	4.0	2.5	2.9	2.0

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Share in %							
Economic activity/Employment size class			2017	2018	2019	2020	2021
Enterprises with employees							
5	to	9	5.2	7.0	5.6	5.1	4.3
10	to	19	5.6	8.0	6.7	5.2	4.9
20	to	49	7.9	10.2	8.2	7.0	7.6
50	to	99	10.9	11.7	6.4	9.6	8.2
100	to	249	16.1	15.6	16.2	14.0	11.8
Subtotal			6.9	8.8	7.1	6.4	5.8
250	to	499	23.0	23.4	23.2	21.7	17.6
500	to	999	28.5	29.6	26.9	27.0	27.7
1,000	and more		45.8	48.4	46.1	46.4	47.4
Subtotal			28.2	29.2	28.0	27.2	25.2
Total			7.5	9.4	7.7	7.0	6.4

1 Data from 2019 onwards are only partially comparable with data up to 2018, as the reporting scope of the innovation survey increased due to a definition change in the corporate register (definition of employee size classes is based on employees instead of employees subject to social insurance, which has increased the number of companies with 5 or more employees). All data are projected on the population of enterprises with 5 or more employees.

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

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

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