■ Table 1.8.19 1/2

Share of revenue from product innovations as a percentage of total revenue, by sector groups and employment size classes 12

19-33 Manufacturing 246 23.2 21.7 21.4 21.1		Share		2010	2010	2022	2051
19-33 Manufacturing 246 23.2 21.7 21.4 21.1							
Manufacture of frood products, beverages and bolivance products of teather and related products of the teather and related products of the teather and related products of the teather and teath							5.1
tobacco products 9,0 7,8 4,9 8,8 10			24.6	23.2	21.7	21.4	21.
leather and related products	2 10-12	· · · · · · · · · · · · · · · · · · ·	9.0	7.8	4.9	8.8	10.
and paper products: printing and reproduction of recorded media 9.1 7.1 8.0 7.6 8	C 13-15	_ · · · · · · · · · · · · · · · · · · ·	24.1	15.7	23.6	25.8	24.
Manufacture of coke and refined petroleum products 15.8 13.0 10.7 10.8 11.2 12.2 12.2 13.2 13.2 14.5 14.5 12.7 12.2 13.2 13.2 14.5 14.5 12.7 12.2 13.2 14.5 14.5 12.7 12.2 13.2 14.5 14.5 14.5 12.7 12.2 13.2 14.5 14.5 14.5 12.7 12.2 13.2 14.5 14.5 14.5 12.7 12.2 14.5 14.5 14.5 14.5 12.7 12.2 14.5 14.	C 16-18	and paper products; printing and reproduction of	9.1	7.1	8.0	7.6	8.
Manufacture of chemicals and chemical products 15.7	C 19	•	15 Ω	13.0	10.7	10.8	11.
Manufacture of basic pharmaceutical products and pharmaceutical proparations 21.0 19.2 16.5 20.1 17.2 17.2 22.2 Manufacture of rubber and plastic products 11.9 14.9 11.0 8.7 8.	` 20	-					12.
and pharmaceutical preparations 21.0 19.2 16.5 20.1 12.2 22.2 Manufacture of furbber and plastic products 11.9 14.9 11.0 8.7			15.7	14.5	17.3	12.7	12.
Manufacture of rubber and plastic products 11.9 14.9 11.0 8.7 8.7 8.8	. 21	·	21.0	19.2	16.5	20.1	17.
Manufacture of other non-metallic mineral products 10.6 10.9 9.4 7.9 11	22		11.9	14.9	11.0	8.7	8.
Manufacture of basic metals	23	Manufacture of other non-metallic mineral	10.6	10.9	9.4	7 9	11.
Manufacture of fabricated metal products, except machinery and equipment metality of computer, electronic and optical products 38.7 36.0 26.5 24.7 23.5 22.7 23.5 24.7 23.5 24.7 23.5 23.5 24.7 23.5 23.5 24.7 23.5 23.5 24.7 23.5 23.5 24.7 23.5	7 24						7.
Manufacture of computer, electronic and optical products 38.7 36.0 26.5 24.7 22.5 22.7 22.5 22.1 15.5 22.8 Manufacture of electrical equipment 29.9 29.1 28.5 22.1 15.5 22.8 Manufacture of machinery and equipment n.e.c. 20.6 20.1 16.0 18.6 17.5 29.5 29.5 29.5 29.1 28.5 22.1 29.5 29		Manufacture of fabricated metal products, except					6.
19	26	Manufacture of computer, electronic and optical					
Manufacture of machinery and equipment n.e.c. 20.6 20.1 16.0 18.6 17.0 17.0 17.0 18.6 17.0 17.0 18.6 17.0 17.0 18.6 17.0 18.6 17.0 18.6 17.0 17.0 18.6 17.0 17.0 18.6 17.0 18.6 17.0 17.0 18.6 17.0 18.6 17.0 17.0 18.6 17.0 18.6 17.0 17.0 18.6 17.0 18.6 17.0 17.0 18.6 17.0 18.6 17.0 17.0 18.6 17.0 18.6 17.0 17.0 18.6 17.0 18.6 17.0 18.6 17.0 18.6 17.0 18.6 17.0 18.6 17.0 18.6 17.0 17.0 18.6 17.0 18.6 17.0 17.0 18.6 17.0 17.0 18.6 17.0 17.0 18.6 17.0 18.6 17.0 17.0 18.6 17.0 17.0 18.6 17.0 1							23.
Manufacture of motor vehicles, trailers and semitrailers 49.6 48.9 47.9 48.1 45.3		Manufacture of electrical equipment	29.9	29.1	28.5	22.1	19.
trailers	28	Manufacture of machinery and equipment n.e.c.	20.6	20.1	16.0	18.6	17.
Repair and installation of machinery and equipment equipment equipment equipment equipment equipment equipment equipment equipment and equipment and equipment and remediation activities management and remediation activities 3.3 3.4 4.4 4.8 5.9 4.9 4.8 5.9	29	· · · · · · · · · · · · · · · · · · ·	49.6	48.9	47.9	48.1	49.
Repair and installation of machinery and equipment 12.3 11.5 7.7 7.9 5.9 13.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5	30	Manufacture of other transport equipment	31.2	27.1	24.6	25.6	21.
Electricity, gas, steam and air conditioning supply; water supply; sewerage, waste management and remediation activities 3.3 3.4 4.4 4.8 5.9	31-32	Manufacture of furniture; other manufacturing	11.0	13.5	12.4	12.6	11.
Supply; water supply; sewerage, waste management and remediation activities 3.3 3.4 4.4 4.8 5.5	33		12.3	11.5	7.7	7.9	5.
Section Electricity, gas, steam and air conditioning supply 3.4 3.4 3.4 4.5 4.9 4.6	O 35, E 36-39	supply; water supply; sewerage, waste	3 3	3 4	4.4	4.8	5.
36-37 Water collection, treatment and supply; sewerage 0.8 2.3 2.5 2.1 1 1 1 1 1 1 1 1 1) 35						4.
Waste collection, treatment and disposal activities; materials recovery; remediation activities and other waste management services 3.0 4.2 4.3 4.1 5.6 46; H 49-53; J 58-63; (64-66; M 69/70.2, M 78-82 9.5 10.2 9.2 9.9 9.9 5.6 46 Wholesale trade (except of motor vehicles and motorcycles) 4.6 8.0 5.1 5.3 3.4 49-53 Transportation and storage 10.8 10.6 10.4 13.2 7.7 58-60 Publishing activities; motion picture, video and television programme production, sound recording and music publishing activities; programming, consultancy and related activities; information service activities 12.5 8.7 12.5 15.3 13.6 61-63 Telecommunications; computer programming, consultancy and related activities; information service activities 19.5 22.5 20.6 19.2 26 61-66 Financial and insurance activities 19.5 12.9 10.0 12.0 13.7 16.6 61-67 Consultancy activities; management consultancy activities management consultancy activities 19.5 12.5 13.0 13.0 7.0 13.7 16.0 14.1 14.3 10.7 23.0 14.1 14.1 14.3 10.7 23.0 14.1 14.1 14.3 10.7 23.0 14.1 14.1 14.3 10.7 23.0 14.1 14.1 14.3 10.7 23.0 14.1 14.1 14.3 10.7 23.0 14.1 14.1 14.3 10.7 23.0 14.1 14.1 14.3 10.7 23.0 14.1 14.1 14.3 10.7 23.0 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14		Water collection, treatment and supply;					1.
activities and other waste management services 3.0 4.2 4.3 4.1 5.5 (64-66; H 49-53; J 58-63; (64-66; M 69/70.2, 12-74; N 78-82 9.5 10.2 9.2 9.9 5.5 (64-66) M 69/70.2, 12-74; N 78-82 9.5 10.2 9.2 9.9 5.5 (64-66) M 69/70.2 (14-74; N 78-82) 9.5 10.2 9.2 9.9 5.5 (14-9-53) Transportation and storage 10.8 10.6 10.4 13.2 7.5 (14-9-53) Transportation and storage 10.8 10.6 10.4 13.2 7.5 (14-9-53) Transportation and storage 10.8 10.6 10.4 13.2 7.5 (14-9-53) Transportation and storage 10.8 10.6 10.4 13.2 7.5 (14-9-53) Transportation and storage 10.8 10.6 10.4 13.2 7.5 (14-9-53) Transportation and storage 10.8 10.6 10.4 13.2 7.5 (14-9-53) Transportation and storage 10.8 10.6 10.4 13.2 7.5 (14-9-53) Transportation and television programme production, sound recording and music publishing activities; programming, consultancy and related activities; information service activities 12.5 8.7 12.5 15.3 13.0 13.0 (14-9-53) Telecommunications; computer programming, consultancy and related activities; information service activities 12.9 10.0 12.0 13.7 16.0 (14-9-64) Transport 12.9 10.0 12.0 13.7 16.0 (14-9-64) Transport 12.9 10.0 12.0 13.7 16.0 (14-9-64) Transport 12.9 13.0 8.3 13.0 7.0 (14-9-64) Transport 13.0 14-9-64 (14-9-64) Transport 14.1 14.3 10.7 14.0 (14-9-64) Transport 14.1 14.3 14.0 (14-9-64) Transport 14.1 14.3 14.0 (14-9-64) Transport 14.1 14.3 14.3 14.1 14.3 14.1 14.3 14.1 14.3 14.1 14.3 14.1 14.3 14.1 14.3 14.1 14.3 14.1 14.3 14.1	E 38-39	Waste collection, treatment and disposal	0.0	2.3	2.3	2.1	
State Stat			3.0	4.2	4.3	4.1	9.
1-74; N 78-82							
Wholesale trade (except of motor vehicles and motorcycles) 4.6 8.0 5.1 5.3 3 4.9-53 Transportation and storage 10.8 10.6 10.4 13.2 7 58-60 Publishing activities; motion picture, video and television programme production, sound recording and music publishing activities; programming and broadcasting activities 12.5 8.7 12.5 15.3 11 61-63 Telecommunications; computer programming, consultancy and related activities; information service activities 19.5 22.5 20.6 19.2 26 64-66 Financial and insurance activities 12.9 10.0 12.0 13.7 16 69/70.2 Legal and accounting activities; management consultancy activities 7.9 13.0 8.3 13.0 7 M71-72 Architectural and engineering activities; technical testing and analysis; scientific research and development 11.2 14.1 14.3 10.7 23 M73-74 Advertising and market research; other professional, scientific and technical activities 9.0 9.5 7.7 15.3 8		, Business-related services	9.5	10.2	9.2	9 9	9.
Transportation and storage 10.8 10.6 10.4 13.2 7 58-60 Publishing activities; motion picture, video and television programme production, sound recording and music publishing activities; programming and broadcasting activities 12.5 8.7 12.5 15.3 11 61-63 Telecommunications; computer programming, consultancy and related activities; information service activities 19.5 22.5 20.6 19.2 26 64-66 Financial and insurance activities 12.9 10.0 12.0 13.7 16 M 69/70.2 Legal and accounting activities; management consultancy activities 7.9 13.0 8.3 13.0 7 M 71-72 Architectural and engineering activities; technical testing and analysis; scientific research and development 11.2 14.1 14.3 10.7 23 M 73-74 Advertising and market research; other professional, scientific and technical activities 9.0 9.5 7.7 15.3 8		·					3.
Publishing activities; motion picture, video and television programme production, sound recording and music publishing activities; programming and broadcasting activities 12.5 8.7 12.5 15.3 11 161-63 Telecommunications; computer programming, consultancy and related activities; information service activities 19.5 22.5 20.6 19.2 26 164-66 Financial and insurance activities 12.9 10.0 12.0 13.7 161 169/70.2 Legal and accounting activities; management consultancy activities 7.9 13.0 8.3 13.0 7 171-72 Architectural and engineering activities; technical testing and analysis; scientific research and development 11.2 14.1 14.3 10.7 23 173-74 Advertising and market research; other professional, scientific and technical activities 9.0 9.5 7.7 15.3 8	J 40 E2						
programming and broadcasting activities 12.5 8.7 12.5 15.3 11 61-63 Telecommunications; computer programming, consultancy and related activities; information service activities 19.5 22.5 20.6 19.2 26 664-66 Financial and insurance activities 12.9 10.0 12.0 13.7 16 M 69/70.2 Legal and accounting activities; management consultancy activities 7.9 13.0 8.3 13.0 7 M 71-72 Architectural and engineering activities; technical testing and analysis; scientific research and development 11.2 14.1 14.3 10.7 23 M 73-74 Advertising and market research; other professional, scientific and technical activities 9.0 9.5 7.7 15.3 8	58-60	Publishing activities; motion picture, video and television programme production, sound	10.6	10.0	10.4	13.2	7.
consultancy and related activities; information service activities 19.5 22.5 20.6 19.2 26 (64-66 Financial and insurance activities 12.9 10.0 12.0 13.7 16 (69/70.2 Legal and accounting activities; management consultancy activities 7.9 13.0 8.3 13.0 7 (69/70.2 Architectural and engineering activities; technical testing and analysis; scientific research and development 11.2 14.1 14.3 10.7 23 (67-74) Advertising and market research; other professional, scientific and technical activities 9.0 9.5 7.7 15.3 8		The state of the s	12.5	8.7	12.5	15.3	11.
K 64-66 Financial and insurance activities 12.9 10.0 12.0 13.7 16 M 69/70.2 Legal and accounting activities; management consultancy activities 7.9 13.0 8.3 13.0 7 M 71-72 Architectural and engineering activities; technical testing and analysis; scientific research and development 11.2 14.1 14.3 10.7 23 M 73-74 Advertising and market research; other professional, scientific and technical activities 9.0 9.5 7.7 15.3 8	J 61-63						
Legal and accounting activities; management consultancy activities 7.9 13.0 8.3 13.0 7 Architectural and engineering activities; technical testing and analysis; scientific research and development 11.2 14.1 14.3 10.7 23 Architectural and engineering activities; technical testing and manalysis; scientific research and development 11.2 14.1 14.3 10.7 23 Architectural and engineering activities 19.0 9.5 7.7 15.3 8		service activities	19.5	22.5	20.6	19.2	26
consultancy activities 7.9 13.0 8.3 13.0 7 A 71-72 Architectural and engineering activities; technical testing and analysis; scientific research and development 11.2 14.1 14.3 10.7 23 A 73-74 Advertising and market research; other professional, scientific and technical activities 9.0 9.5 7.7 15.3 8	64-66	Financial and insurance activities	12.9	10.0	12.0	13.7	16.
testing and analysis; scientific research and development 11.2 14.1 14.3 10.7 23 M 73-74 Advertising and market research; other professional, scientific and technical activities 9.0 9.5 7.7 15.3 8	/I 69/70.2		7.9	13.0	8.3	13.0	7.
A Advertising and market research; other professional, scientific and technical activities 9.0 9.5 7.7 15.3 8	Л 71-72	testing and analysis; scientific research and	11.2	14.1	14.3	10.7	23.
	M 73-74	Advertising and market research; other					8.
							6

■ Table 1.8.19 2/2

Share of revenue from product innovations as a percentage of total revenue, by sector groups and employment size classes¹²

			Share in %				
Economic	c activity/E	mployment size class	2017	2018	2019	2020	2021
Enterprises with employe	ees						
5	to	9	15.2	7.3	7.5	12.0	5.5
10	to	19	5.3	6.2	5.2	7.9	7.3
20	to	49	4.6	5.7	5.4	7.0	4.0
50	to	99	5.6	9.2	8.2	6.3	7.4
100	to	249	7.1	8.4	4.7	5.6	4.5
		Subtotal	6.7	7.6	5.9	6.8	5.4
250	to	499	8.1	10.1	9.0	8.8	7.7
500	to	999	7.4	7.4	7.2	7.7	8.5
1,000	and more		25.8	24.3	23.1	23.5	23.0
		Subtotal	19.5	18.6	17.9	17.7	17.6
 Total			15.0	14.8	13.7	13.8	13.3

- 1 All data is extrapolated to the total population of companies with five or more employees in Germany.
- 2 Classification of Economic Activities 2008 edition (based on NACE 2008 Nomenclature statistique des activités économiques dans la Communauté européenne).

Last update: January 24, 2023

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

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