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**Share of revenue from product innovations as a percentage of total revenue, by sector groups and employment size classes<sup>1,2</sup>**

|   |  | Share in % |      |      |      |      |
|---|--|------------|------|------|------|------|
| Economic activity/Employment size class                           |  | 2017       | 2018 | 2019 | 2020 | 2021 |
| <b>B 05-09</b>  | <b>Mining and quarrying</b>  | 3.4        | 3.4  | 3.2  | 1.6  | 5.2  |
| <b>C 10-33</b>  | <b>Manufacturing</b>   | 24.6       | 23.2 | 21.7 | 21.4 | 21.2 |
| C 10-12   | Manufacture of food products, beverages and tobacco products   | 9.0        | 7.8  | 4.9  | 8.8  | 10.2 |
| C 13-15   | Manufacture of textiles, wearing apparel and of leather and related products   | 24.1       | 15.7 | 23.6 | 25.8 | 24.7 |
| C 16-18   | Manufacture of wood (except furniture), paper and paper products; printing and reproduction of recorded media  | 9.1        | 7.1  | 8.0  | 7.6  | 8.8  |
| C 19  | Manufacture of coke and refined petroleum products   | 15.8       | 13.0 | 10.7 | 10.8 | 11.2 |
| C 20  | Manufacture of chemicals and chemical products   | 15.7       | 14.5 | 14.5 | 12.7 | 12.1 |
| C 21  | Manufacture of basic pharmaceutical products and pharmaceutical preparations   | 21.0       | 19.2 | 16.5 | 20.1 | 17.6 |
| C 22  | Manufacture of rubber and plastic products   | 11.9       | 14.9 | 11.0 | 8.7  | 8.3  |
| C 23  | Manufacture of other non-metallic mineral products   | 10.6       | 10.9 | 9.4  | 7.9  | 11.4 |
| C 24  | Manufacture of basic metals  | 16.5       | 11.0 | 11.9 | 9.2  | 7.5  |
| C 25  | Manufacture of fabricated metal products, except machinery and equipment   | 5.6        | 6.3  | 5.6  | 5.6  | 6.3  |
| C 26  | Manufacture of computer, electronic and optical products   | 38.7       | 36.0 | 26.5 | 24.7 | 23.9 |
| C 27  | Manufacture of electrical equipment  | 29.9       | 29.1 | 28.5 | 22.1 | 19.4 |
| C 28  | Manufacture of machinery and equipment n.e.c.  | 20.6       | 20.1 | 16.0 | 18.6 | 17.7 |
| C 29  | Manufacture of motor vehicles, trailers and semi-trailers  | 49.6       | 48.9 | 47.9 | 48.1 | 49.5 |
| C 30  | Manufacture of other transport equipment   | 31.2       | 27.1 | 24.6 | 25.6 | 21.0 |
| C 31-32   | Manufacture of furniture; other manufacturing  | 11.0       | 13.5 | 12.4 | 12.6 | 11.4 |
| C 33  | Repair and installation of machinery and equipment   | 12.3       | 11.5 | 7.7  | 7.9  | 5.7  |
| <b>D 35, E 36-39</b>  | <b>Electricity, gas, steam and air conditioning supply; water supply; sewerage, waste management and remediation activities</b>  | 3.3        | 3.4  | 4.4  | 4.8  | 5.1  |
| D 35  | Electricity, gas, steam and air conditioning supply  | 3.4        | 3.4  | 4.5  | 4.9  | 4.9  |
| E 36-37   | Water collection, treatment and supply; sewerage   | 0.8        | 2.3  | 2.5  | 2.1  | 1.0  |
| E 38-39   | Waste collection, treatment and disposal activities; materials recovery; remediation activities and other waste management services  | 3.0        | 4.2  | 4.3  | 4.1  | 9.2  |
| <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>   | 9.5        | 10.2 | 9.2  | 9.9  | 9.8  |
| G 46  | Wholesale trade (except of motor vehicles and motorcycles)   | 4.6        | 8.0  | 5.1  | 5.3  | 3.4  |
| H 49-53   | Transportation and storage   | 10.8       | 10.6 | 10.4 | 13.2 | 7.8  |
| J 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 | 11.0 |
| J 61-63   | Telecommunications; computer programming, consultancy and related activities; information service activities   | 19.5       | 22.5 | 20.6 | 19.2 | 26.5 |
| K 64-66   | Financial and insurance activities   | 12.9       | 10.0 | 12.0 | 13.7 | 16.6 |
| M 69/70.2   | Legal and accounting activities; management consultancy activities   | 7.9        | 13.0 | 8.3  | 13.0 | 7.4  |
| M 71-72   | Architectural and engineering activities; technical testing and analysis; scientific research and development  | 11.2       | 14.1 | 14.3 | 10.7 | 23.1 |
| M 73-74   | Advertising and market research; other professional, scientific and technical activities   | 9.0        | 9.5  | 7.7  | 15.3 | 8.8  |
| N 78-82   | Other business services  | 7.9        | 7.7  | 8.2  | 6.2  | 6.0  |

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**Share of revenue from product innovations as a percentage of total revenue, by sector groups and employment size classes<sup>1,2</sup>**

|   |          |     |             |             |             | Share in %  |             |  |  |  |
|---|----------|-----|-------------|-------------|-------------|-------------|-------------|--|--|--|
| Economic activity/Employment size class |          |     | 2017        | 2018        | 2019        | 2020        | 2021        |  |  |  |
| Enterprises with employees              |          |     |             |             |             |             |             |  |  |  |
| 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         |  |  |  |
| <b>Subtotal</b>                         |          |     | 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        |  |  |  |
| <b>Subtotal</b>                         |          |     | 19.5        | 18.6        | 17.9        | 17.7        | 17.6        |  |  |  |
| <b>Total</b>                            |          |     | <b>15.0</b> | <b>14.8</b> | <b>13.7</b> | <b>13.8</b> | <b>13.3</b> |  |  |  |

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).

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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>