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## **STATISTICAL RELEASE**

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# Producer Price Index

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**IMPROVING LIVES THROUGH DATA ECOSYSTEMS**



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**Key findings as at July 2023**

**Final manufactured goods – headline PPI**

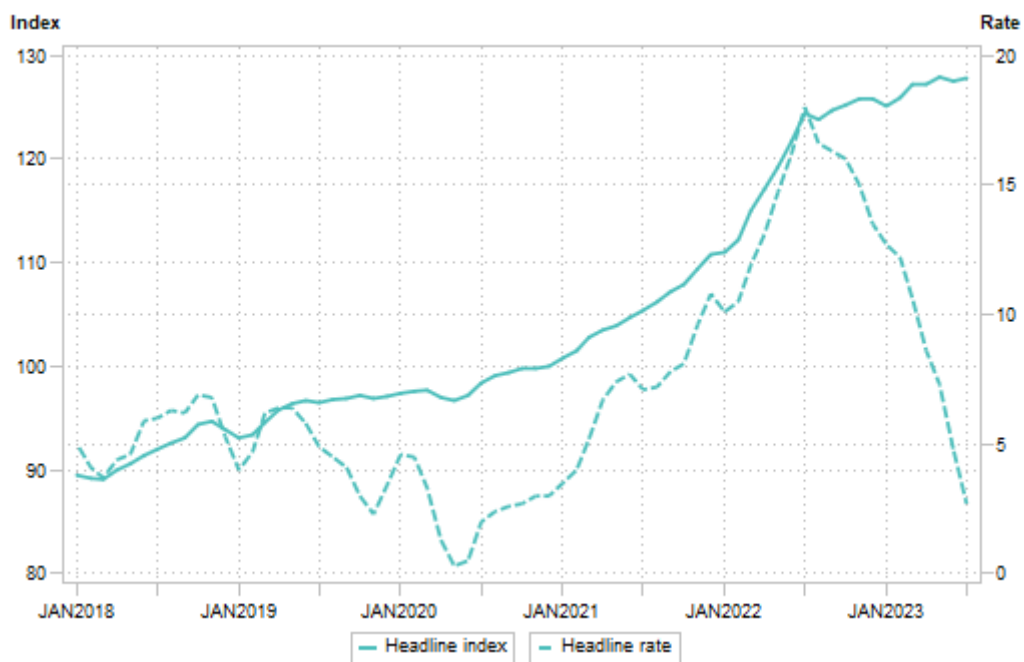
Annual producer price inflation (final manufacturing) was 2,7% in July 2023, down from 4,8% in June 2023. The producer price index (PPI) increased by 0,2% month-on-month in July 2023.

The main contributors to the headline PPI annual inflation rate were:

- food products, beverages and tobacco products (increased by 5,8% year-on-year and contributed 1,5 percentage points);
- metals, machinery, equipment and computing equipment (increased by 9,0% year-on-year and contributed 1,3 percentage points);
- paper and printed products (increased by 10,6% year-on-year and contributed 0,8 of a percentage point);
- transport equipment (increased by 9,6% year-on-year and contributed 0,8 of a percentage point); and
- coke, petroleum, chemical, rubber and plastic products (decreased by 8,3% and contributed -2,5 percentage points) – see Figure 1.1.

The main contributor to the headline PPI monthly increase was metals, machinery, equipment and computing equipment (increased by 1,2% month-on-month and contributed 0,2 of a percentage point) – see Figure 1.2.

**Figure 1 – PPI headline index numbers and year-on-year rate of change**



### **Intermediate manufactured goods**

The annual percentage change in the PPI for intermediate manufactured goods was -0,1% in July 2023 (compared with 2,4% in June 2023). The index decreased by 2,0% month-on-month.

The main negative contributor to the annual rate was chemicals, rubber and plastic products (-0,8 of a percentage point) – see Figure 2.1.

The main negative contributor to the monthly rate was basic and fabricated metals (-1,8 percentage points) – see Figure 2.2.

### **Electricity and water**

The annual percentage change in the PPI for electricity and water was 18,3% in July 2023 (compared with 13,6% in June 2023). The index increased by 8,5% month-on-month.

Electricity contributed 17,1 percentage points and water contributed 0,9 of a percentage point to the annual rate – see Figure 3.1.

Electricity contributed 7,9 percentage points to the monthly rate and water contributed 0,6 of a percentage point – see Figure 3.2.

### **Mining**

The annual percentage change in the PPI for mining was -0,5% in July 2023 (compared with 2,8% in June 2023). The index decreased by 2,0% month-on-month.

The main negative contributor to the annual rate was non-ferrous metal ores (-6,1 percentage points) – see Figure 4.1.

The main negative contributor to the monthly rate was non-ferrous metal ores (-2,1 percentage points) – see Figure 4.2.

### **Agriculture, forestry and fishing**

The annual percentage change in the PPI for agriculture, forestry and fishing was 6,5% in July 2023 (compared with 6,2% in June 2023). The index increased by 1,1% month-on-month.

The main contributors to the annual rate were agriculture (4,1 percentage points) and fishing (2,0 percentage points) – see Figure 5.1.

The main contributor to the monthly rate was agriculture (1,3 percentage points) – see Figure 5.2.

**Risenga Maluleke**  
**Statistician-General**

## Key figures and analytical series

**Table A – Key figures**

| Product                                  | Weight | Index (Dec 2020=100) |          |          | % change                    |                             |
|--|--------|----------------------|----------|----------|-----------------------------|-----------------------------|
|  |        | Jul 2022             | Jun 2023 | Jul 2023 | Jul 2023<br>vs.<br>Jun 2023 | Jul 2023<br>vs.<br>Jul 2022 |
| <b>Final manufactured goods</b>          | 100,00 | 124,4                | 127,5    | 127,8    | 0,2                         | 2,7                         |
| <b>Intermediate manufactured goods</b>   | 100,00 | 131,2                | 133,8    | 131,1    | -2,0                        | -0,1                        |
| <b>Electricity and water</b>             | 100,00 | 172,4                | 187,9    | 203,9    | 8,5                         | 18,3                        |
| <b>Mining</b>                            | 100,00 | 131,3                | 133,4    | 130,7    | -2,0                        | -0,5                        |
| <b>Agriculture, forestry and fishing</b> | 100,00 | 115,2                | 121,4    | 122,7    | 1,1                         | 6,5                         |

**Table B – Analytical series**

| Product   | Weight | Index (Dec 2020=100) |          |          | % change                    |                             |
|---|--------|----------------------|----------|----------|-----------------------------|-----------------------------|
|   |        | Jul 2022             | Jun 2023 | Jul 2023 | Jul 2023<br>vs.<br>Jun 2023 | Jul 2023<br>vs.<br>Jul 2022 |
| <b>Final manufactured goods excluding petroleum products</b>  | 87,80  | 115,7                | 123,2    | 123,6    | 0,3                         | 6,8                         |
| <b>Final manufactured goods excluding food</b>                | 83,11  | 126,3                | 128,5    | 128,8    | 0,2                         | 2,0                         |
| <b>Intermediate manufactured goods excluding basic metals</b> | 78,95  | 125,0                | 131,4    | 129,3    | -1,6                        | 3,4                         |
| <b>Mining excluding precious metals and stones</b>            | 79,29  | 140,3                | 136,6    | 133,4    | -2,3                        | -4,9                        |
| <b>Precious metals and stones</b>                             | 20,71  | 101,2                | 124,4    | 123,0    | -1,1                        | 21,5                        |

## Main index numbers and annual percentage changes

**Table C – Main index numbers (Dec 2020=100)**

**Table C1 – Final manufactured goods**

| Year and type | Jan   | Feb   | Mar   | Apr   | May   | Jun   | Jul   | Aug   | Sep   | Oct   | Nov   | Dec   | Average |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|-------|
| 2019          | Index | 93,1  | 93,4  | 94,6  | 95,8  | 96,4  | 96,7  | 96,5  | 96,8  | 96,9  | 97,2  | 97,1  | 96,0    |       |
|               | Rate  | 4,1   | 4,7   | 6,2   | 6,5   | 6,4   | 5,8   | 4,9   | 4,5   | 4,1   | 3,0   | 2,3   | 3,4     | 4,6   |
| 2020          | Index | 97,4  | 97,6  | 97,7  | 97,0  | 96,7  | 97,2  | 98,4  | 99,1  | 99,4  | 99,8  | 99,8  | 100,0   | 98,3  |
|               | Rate  | 4,6   | 4,5   | 3,3   | 1,2   | 0,4   | 0,5   | 1,9   | 2,4   | 2,5   | 2,7   | 3,0   | 3,0     | 2,6   |
| 2021          | Index | 100,8 | 101,5 | 102,8 | 103,5 | 103,9 | 104,7 | 105,4 | 106,2 | 107,2 | 107,9 | 109,4 | 110,8   | 105,3 |
|               | Rate  | 3,5   | 4,0   | 5,2   | 6,7   | 7,4   | 7,7   | 7,1   | 7,2   | 7,8   | 8,1   | 9,6   | 10,8    | 7,1   |
| 2022          | Index | 111,0 | 112,2 | 115,0 | 117,1 | 119,2 | 121,7 | 124,4 | 123,8 | 124,7 | 125,2 | 125,8 | 125,8   | 120,5 |
|               | Rate  | 10,1  | 10,5  | 11,9  | 13,1  | 14,7  | 16,2  | 18,0  | 16,6  | 16,3  | 16,0  | 15,0  | 13,5    | 14,4  |
| 2023          | Index | 125,1 | 125,9 | 127,2 | 127,2 | 127,9 | 127,5 | 127,8 | ..    | ..    | ..    | ..    | ..      | ..    |
|               | Rate  | 12,7  | 12,2  | 10,6  | 8,6   | 7,3   | 4,8   | 2,7   | ..    | ..    | ..    | ..    | ..      | ..    |

**Table C2 – Intermediate manufactured goods**

| Year and type | Jan   | Feb   | Mar   | Apr   | May   | Jun   | Jul   | Aug   | Sep   | Oct   | Nov   | Dec   | Average |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|-------|
| 2019          | Index | 93,6  | 93,3  | 94,8  | 95,8  | 95,9  | 96,2  | 95,0  | 95,8  | 96,1  | 96,1  | 95,2  | 93,6    | 95,1  |
|               | Rate  | 3,8   | 3,9   | 6,3   | 6,7   | 6,4   | 4,5   | 1,7   | 1,9   | 0,5   | -0,6  | -1,1  | -1,5    | 2,6   |
| 2020          | Index | 94,3  | 95,0  | 94,8  | 97,0  | 97,5  | 97,5  | 97,3  | 98,9  | 99,0  | 99,4  | 99,1  | 100,0   | 97,5  |
|               | Rate  | 0,7   | 1,8   | 0,0   | 1,3   | 1,7   | 1,4   | 2,4   | 3,2   | 3,0   | 3,5   | 4,1   | 6,8     | 2,5   |
| 2021          | Index | 102,4 | 104,4 | 105,4 | 108,1 | 112,3 | 113,5 | 114,4 | 116,4 | 118,3 | 119,7 | 122,0 | 123,1   | 113,3 |
|               | Rate  | 8,6   | 9,9   | 11,2  | 11,4  | 15,2  | 16,4  | 17,6  | 17,7  | 19,5  | 20,4  | 23,1  | 23,1    | 16,2  |
| 2022          | Index | 123,9 | 124,5 | 125,0 | 127,1 | 129,8 | 130,7 | 131,2 | 132,0 | 134,5 | 133,1 | 132,5 | 133,0   | 129,8 |
|               | Rate  | 21,0  | 19,3  | 18,6  | 17,6  | 15,6  | 15,2  | 14,7  | 13,4  | 13,7  | 11,2  | 8,6   | 8,0     | 14,6  |
| 2023          | Index | 130,8 | 130,7 | 131,3 | 132,9 | 135,5 | 133,8 | 131,1 | ..    | ..    | ..    | ..    | ..      | ..    |
|               | Rate  | 5,6   | 5,0   | 5,0   | 4,6   | 4,4   | 2,4   | -0,1  | ..    | ..    | ..    | ..    | ..      | ..    |

**Table C3 – Electricity and water**

| Year and type | Jan   | Feb   | Mar   | Apr   | May   | Jun   | Jul   | Aug   | Sep   | Oct   | Nov   | Dec   | Average |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|-------|
| 2019          | Index | 80,5  | 83,2  | 81,3  | 86,0  | 86,1  | 114,2 | 129,7 | 128,5 | 101,1 | 93,3  | 93,3  | 92,4    | 97,5  |
|               | Rate  | 5,5   | 7,5   | 5,9   | 9,8   | 9,8   | 9,3   | 14,5  | 14,3  | 17,1  | 13,4  | 13,4  | 13,8    | 11,4  |
| 2020          | Index | 91,0  | 93,2  | 93,4  | 99,3  | 98,2  | 130,0 | 140,2 | 137,1 | 105,5 | 100,4 | 100,4 | 100,0   | 107,4 |
|               | Rate  | 13,0  | 12,1  | 15,0  | 15,5  | 14,0  | 13,8  | 8,1   | 6,7   | 4,3   | 7,7   | 7,7   | 8,2     | 10,3  |
| 2021          | Index | 98,9  | 101,8 | 100,7 | 105,2 | 106,9 | 143,6 | 159,7 | 161,1 | 130,1 | 114,9 | 117,2 | 115,4   | 121,3 |
|               | Rate  | 8,7   | 9,2   | 7,8   | 5,9   | 8,9   | 10,5  | 13,9  | 17,5  | 23,3  | 14,4  | 16,7  | 15,4    | 12,9  |
| 2022          | Index | 114,8 | 114,9 | 114,6 | 118,7 | 120,7 | 165,4 | 172,4 | 175,0 | 128,8 | 126,5 | 126,5 | 126,7   | 133,8 |
|               | Rate  | 16,1  | 12,9  | 13,8  | 12,8  | 12,9  | 15,2  | 8,0   | 8,6   | -1,0  | 10,1  | 7,9   | 9,8     | 10,3  |
| 2023          | Index | 126,1 | 127,8 | 126,2 | 134,3 | 139,4 | 187,9 | 203,9 | ..    | ..    | ..    | ..    | ..      | ..    |
|               | Rate  | 9,8   | 11,2  | 10,1  | 13,1  | 15,5  | 13,6  | 18,3  | ..    | ..    | ..    | ..    | ..      | ..    |

**Table C4 – Mining**

| Year and type | Jan   | Feb   | Mar   | Apr   | May   | Jun   | Jul   | Aug   | Sep   | Oct   | Nov   | Dec   | Average |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|-------|
| 2019          | Index | 64,2  | 65,3  | 68,6  | 69,9  | 69,6  | 70,5  | 72,5  | 77,2  | 75,4  | 78,0  | 78,9  | 79,8    | 72,5  |
|               | Rate  | 7,7   | 10,6  | 20,2  | 21,1  | 18,1  | 14,6  | 15,7  | 22,2  | 15,2  | 17,7  | 20,8  | 24,2    | 17,4  |
| 2020          | Index | 84,9  | 97,3  | 97,9  | 100,6 | 89,2  | 88,8  | 93,9  | 97,7  | 102,8 | 100,9 | 98,2  | 100,0   | 96,0  |
|               | Rate  | 32,2  | 49,0  | 42,6  | 43,9  | 28,2  | 26,0  | 29,6  | 26,6  | 36,4  | 29,5  | 24,5  | 25,3    | 32,5  |
| 2021          | Index | 104,3 | 108,5 | 111,8 | 111,5 | 108,6 | 107,1 | 108,3 | 108,4 | 104,9 | 105,7 | 105,1 | 105,9   | 107,5 |
|               | Rate  | 22,9  | 11,5  | 14,2  | 10,8  | 21,7  | 20,6  | 15,3  | 11,0  | 2,0   | 4,8   | 7,0   | 5,9     | 12,0  |
| 2022          | Index | 111,0 | 115,4 | 120,4 | 123,7 | 127,8 | 129,8 | 131,3 | 127,1 | 136,5 | 134,5 | 130,6 | 134,8   | 126,9 |
|               | Rate  | 6,4   | 6,4   | 7,7   | 10,9  | 17,7  | 21,2  | 21,2  | 17,3  | 30,1  | 27,2  | 24,3  | 27,3    | 18,0  |
| 2023          | Index | 133,1 | 137,9 | 141,0 | 136,7 | 137,0 | 133,4 | 130,7 | ..    | ..    | ..    | ..    | ..      | ..    |
|               | Rate  | 19,9  | 19,5  | 17,1  | 10,5  | 7,2   | 2,8   | -0,5  | ..    | ..    | ..    | ..    | ..      | ..    |

**Table C5 – Agriculture, forestry and fishing**

| Year and type | Jan   | Feb   | Mar   | Apr   | May   | Jun   | Jul   | Aug   | Sep   | Oct   | Nov   | Dec   | Average |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|-------|
| 2019          | Index | 92,0  | 91,4  | 88,8  | 87,3  | 86,2  | 86,8  | 87,8  | 86,6  | 86,0  | 88,6  | 89,4  | 91,6    | 88,5  |
|               | Rate  | -3,0  | -2,2  | -0,4  | 0,3   | -3,0  | -1,9  | -1,1  | -2,4  | -4,1  | -1,6  | -1,1  | -0,6    | -1,8  |
| 2020          | Index | 91,2  | 90,4  | 90,6  | 90,4  | 88,6  | 87,8  | 90,0  | 92,2  | 93,0  | 98,1  | 100,1 | 100,0   | 92,7  |
|               | Rate  | -0,9  | -1,1  | 2,0   | 3,5   | 2,8   | 1,1   | 2,5   | 6,5   | 8,1   | 10,8  | 12,0  | 9,1     | 4,7   |
| 2021          | Index | 101,5 | 99,4  | 97,1  | 96,8  | 96,9  | 99,5  | 100,2 | 100,1 | 101,9 | 106,5 | 107,3 | 108,4   | 101,3 |
|               | Rate  | 11,3  | 10,0  | 7,2   | 7,1   | 9,4   | 13,3  | 11,3  | 8,6   | 9,6   | 8,6   | 7,2   | 8,4     | 9,3   |
| 2022          | Index | 108,5 | 107,4 | 111,6 | 114,0 | 115,2 | 114,3 | 115,2 | 118,2 | 122,2 | 126,0 | 125,7 | 125,7   | 116,1 |
|               | Rate  | 6,9   | 8,0   | 14,9  | 17,8  | 18,9  | 14,9  | 15,0  | 15,1  | 16,0  | 14,7  | 17,4  | 16,0    | 14,6  |
| 2023          | Index | 121,2 | 122,7 | 120,0 | 120,8 | 120,4 | 121,4 | 122,7 | ..    | ..    | ..    | ..    | ..      | ..    |
|               | Rate  | 11,7  | 14,2  | 7,5   | 6,0   | 4,5   | 6,2   | 6,5   | ..    | ..    | ..    | ..    | ..      | ..    |

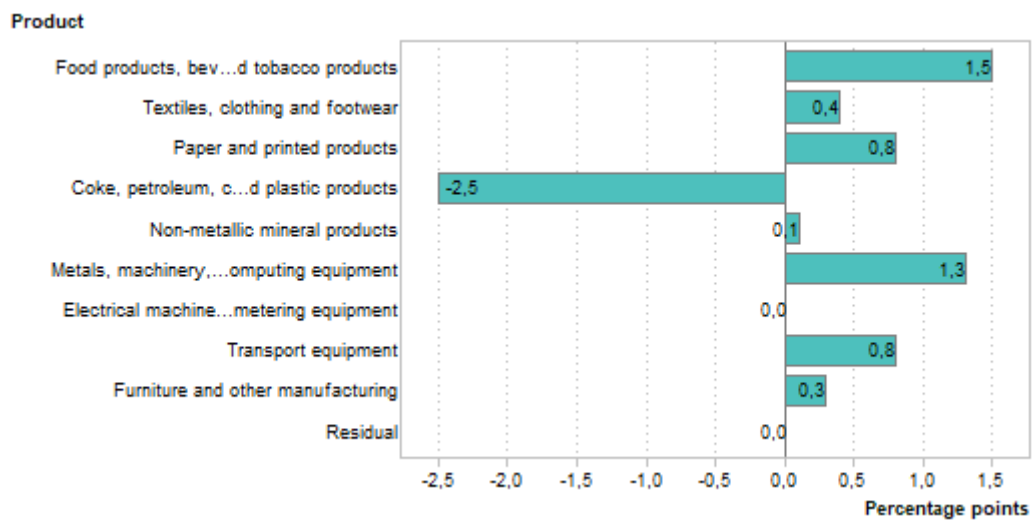
## Detailed index numbers and rates of change, and contributions

Table 1 – PPI for final manufactured goods

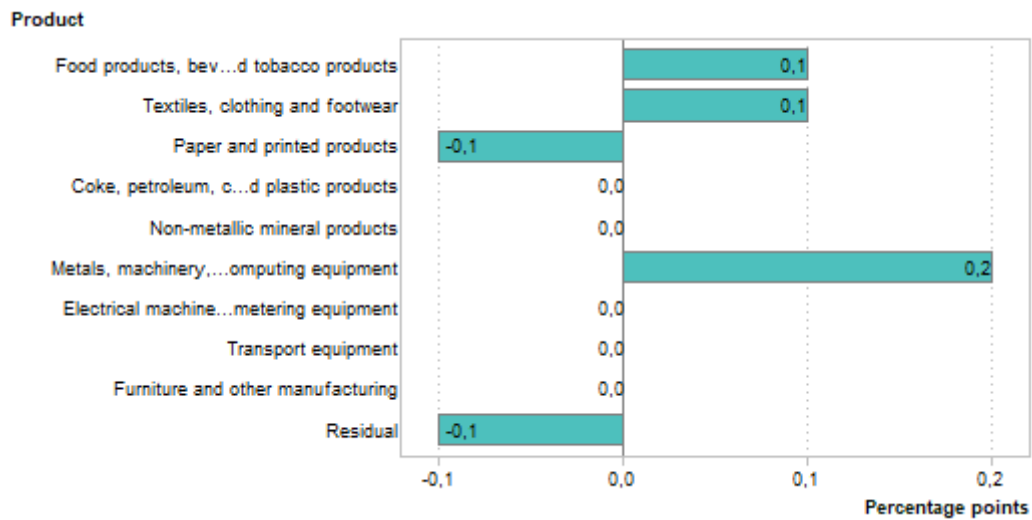
| Product   | Weight | Index (Dec 2020=100) |          |          | % change              |                       |
|---|--------|----------------------|----------|----------|-----------------------|-----------------------|
|   |        | Jul 2022             | Jun 2023 | Jul 2023 | Jul 2023 vs. Jun 2023 | Jul 2023 vs. Jul 2022 |
| Final manufactured goods  | 100,00 | 124,4                | 127,5    | 127,8    | 0,2                   | 2,7                   |
| Food products, beverages and tobacco products                       | 27,39  | 114,5                | 120,6    | 121,1    | 0,4                   | 5,8                   |
| Food products   | 16,89  | 118,4                | 125,7    | 126,5    | 0,6                   | 6,8                   |
| Meat, fish, fruit, vegetables, oils and fats                        | 4,17   | 125,4                | 124,4    | 125,8    | 1,1                   | 0,3                   |
| Meat and meat products  | 2,05   | 114,7                | 115,2    | 115,6    | 0,3                   | 0,8                   |
| Fish and fish products  | 0,42   | 117,3                | 130,2    | 130,2    | 0,0                   | 11,0                  |
| Fruit and vegetables  | 1,12   | 114,4                | 125,9    | 128,6    | 2,1                   | 12,4                  |
| Oils and fats   | 0,58   | 199,9                | 156,6    | 159,9    | 2,1                   | -20,0                 |
| Dairy products  | 1,78   | 121,3                | 135,6    | 135,5    | -0,1                  | 11,7                  |
| Grain mill products, starches and starch products, and animal feeds | 2,08   | 124,8                | 134,1    | 132,8    | -1,0                  | 6,4                   |
| Grain mill products   | 1,09   | 122,8                | 134,9    | 136,5    | 1,2                   | 11,2                  |
| Starches, starch products and animal feeds                          | 0,99   | 128,2                | 134,4    | 129,9    | -3,3                  | 1,3                   |
| Other food products   | 8,86   | 112,7                | 122,0    | 123,1    | 0,9                   | 9,2                   |
| Bakery products   | 3,04   | 112,8                | 120,6    | 120,7    | 0,1                   | 7,0                   |
| Sugar   | 1,37   | 114,8                | 129,9    | 136,0    | 4,7                   | 18,5                  |
| Other food  | 4,45   | 112,6                | 121,0    | 121,4    | 0,3                   | 7,8                   |
| Beverages   | 8,36   | 105,5                | 109,5    | 109,5    | 0,0                   | 3,8                   |
| Tobacco products  | 2,15   | 110,7                | 115,9    | 115,9    | 0,0                   | 4,7                   |
| Textiles, clothing and footwear                                     | 5,95   | 109,3                | 116,1    | 117,2    | 0,9                   | 7,2                   |
| Textiles  | 1,51   | 106,8                | 114,1    | 114,1    | 0,0                   | 6,8                   |
| Clothing  | 3,98   | 109,5                | 116,1    | 117,0    | 0,8                   | 6,8                   |
| Footwear  | 0,46   | 113,4                | 120,2    | 126,3    | 5,1                   | 11,4                  |
| Paper and printed products  | 8,79   | 112,9                | 126,3    | 124,9    | -1,1                  | 10,6                  |
| Coke, petroleum, chemical, rubber and plastic products              | 22,70  | 161,9                | 148,3    | 148,4    | 0,1                   | -8,3                  |
| Coal and petroleum products   | 12,41  | 195,7                | 167,6    | 167,3    | -0,2                  | -14,5                 |
| Petrol  | 4,29   | 200,8                | 165,3    | 163,6    | -1,0                  | -18,5                 |
| Diesel  | 4,41   | 207,3                | 157,8    | 159,1    | 0,8                   | -23,3                 |
| Other   | 3,71   | 176,7                | 182,7    | 182,1    | -0,3                  | 3,1                   |
| Chemical products   | 7,75   | 127,9                | 132,9    | 132,9    | 0,0                   | 3,9                   |
| Rubber and plastic products   | 2,54   | 127,6                | 128,0    | 131,1    | 2,4                   | 2,7                   |
| Non-metallic mineral products                                       | 2,92   | 112,7                | 118,6    | 119,0    | 0,3                   | 5,6                   |
| Metals, machinery, equipment and computing equipment                | 14,90  | 118,5                | 127,7    | 129,2    | 1,2                   | 9,0                   |
| Structural and fabricated metal products                            | 6,46   | 121,4                | 126,9    | 126,8    | -0,1                  | 4,4                   |
| General and special purpose machinery                               | 6,93   | 117,0                | 129,7    | 133,1    | 2,6                   | 13,8                  |
| Household appliances and office machinery                           | 1,51   | 112,2                | 121,4    | 120,9    | -0,4                  | 7,8                   |
| Electrical machinery and communication and metering equipment       | 3,37   | 112,2                | 111,3    | 112,5    | 1,1                   | 0,3                   |
| Transport equipment   | 9,87   | 111,2                | 121,8    | 121,9    | 0,1                   | 9,6                   |
| Motor vehicles  | 3,12   | 103,7                | 115,8    | 118,6    | 2,4                   | 14,4                  |
| Parts for transport equipment                                       | 6,75   | 115,7                | 125,7    | 124,6    | -0,9                  | 7,7                   |
| Furniture and other manufacturing                                   | 4,11   | 114,6                | 123,8    | 123,3    | -0,4                  | 7,6                   |



**Figure 1.1 – Contributions to the annual percentage change in PPI for final manufactured goods**



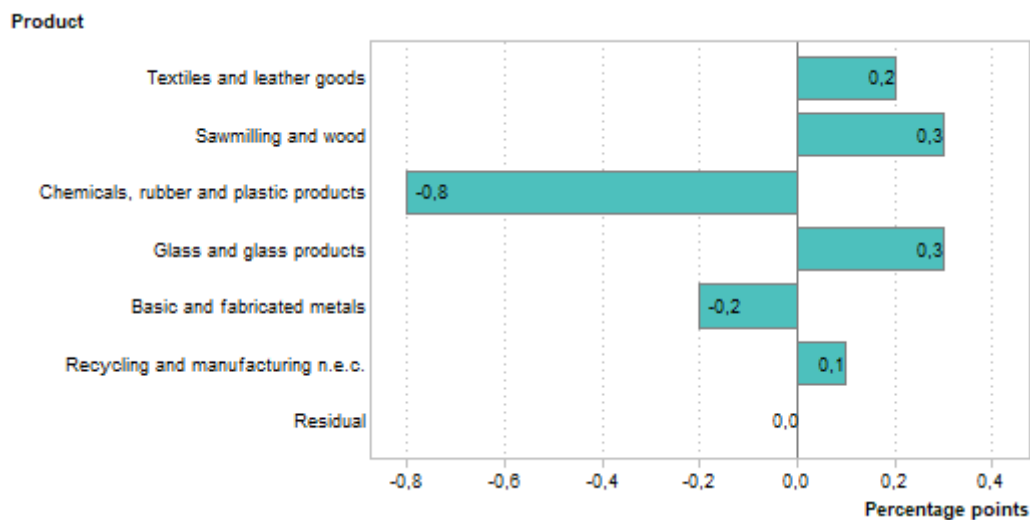
**Figure 1.2 – Contributions to the monthly percentage change in PPI for final manufactured goods**



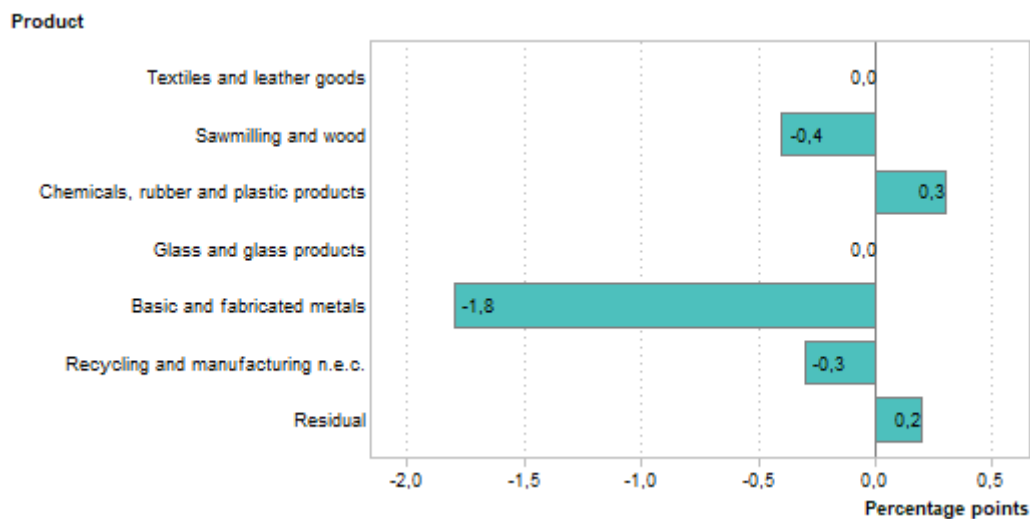
**Table 2 – PPI for intermediate manufactured goods**

| Product                                | Weight   | Index (Dec 2020=100)            |          |          | % change              |                       |       |
|--|--|---------------------------------|----------|----------|-----------------------|-----------------------|-------|
|  |  | Jul 2022                        | Jun 2023 | Jul 2023 | Jul 2023 vs. Jun 2023 | Jul 2023 vs. Jul 2022 |       |
|  |  | Intermediate manufactured goods | 100,00   | 131,2    | 133,8                 | 131,1                 | -2,0  |
| Textiles and leather goods             | 1,71   | 102,5                           | 120,1    | 121,5    | 1,2                   | 18,5                  |       |
| Sawmilling and wood                    | 11,99  | 120,0                           | 126,9    | 122,8    | -3,2                  | 2,3                   |       |
| Chemicals, rubber and plastic products | 34,81  | 140,9                           | 136,7    | 137,7    | 0,7                   | -2,3                  |       |
|  | Basic and other chemicals                          | 23,96                           | 159,0    | 155,5    | 157,0                 | 1,0                   | -1,3  |
|  | Plastic products                                   | 9,31                            | 129,0    | 119,1    | 119,7                 | 0,5                   | -7,2  |
| Rubber products                        | 1,54   | 120,1                           | 133,5    | 131,0    | -1,9                  | 9,1                   |       |
| Glass and glass products               | 3,39   | 116,5                           | 127,2    | 128,3    | 0,9                   | 10,1                  |       |
| Basic and fabricated metals            | 42,52  | 138,3                           | 143,3    | 137,6    | -4,0                  | -0,5                  |       |
|  | Basic iron and steel                               | 21,05                           | 158,8    | 144,1    | 139,3                 | -3,3                  | -12,3 |
|  | Basic precious and non-ferrous metals and castings | 21,47                           | 114,0    | 135,4    | 129,2                 | -4,6                  | 13,3  |
| Recycling and manufacturing n.e.c.     | 5,58   | 109,3                           | 119,4    | 112,5    | -5,8                  | 2,9                   |       |

**Figure 2.1 – Contributions to the annual percentage change in PPI for intermediate manufactured goods**



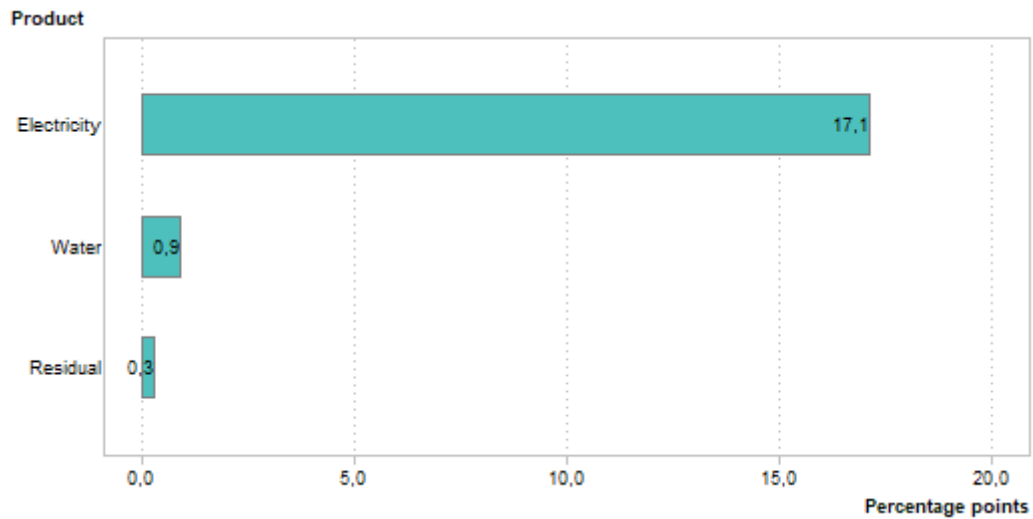
**Figure 2.2 – Contributions to the monthly percentage change in PPI for intermediate manufactured goods**



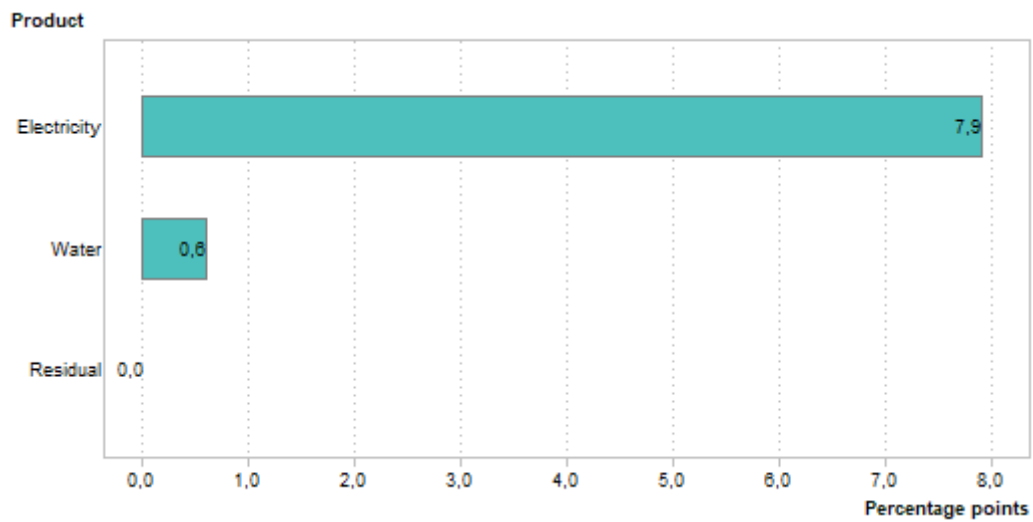
**Table 3 – PPI for electricity and water**

| Product     | Weight | Index (Dec 2020=100)  |          |          | % change              |                       |
|-------------|--------|-----------------------|----------|----------|-----------------------|-----------------------|
|             |        | Jul 2022              | Jun 2023 | Jul 2023 | Jul 2023 vs. Jun 2023 | Jul 2023 vs. Jul 2022 |
|             |        | Electricity and water | 100,00   | 172,4    | 187,9                 | 203,9                 |
| Electricity | 84,17  | 183,7                 | 201,2    | 218,8    | 8,7                   | 19,1                  |
| Water       | 15,83  | 112,8                 | 115,0    | 122,5    | 6,5                   | 8,6                   |

**Figure 3.1 – Contributions to the annual percentage change in PPI for electricity and water**



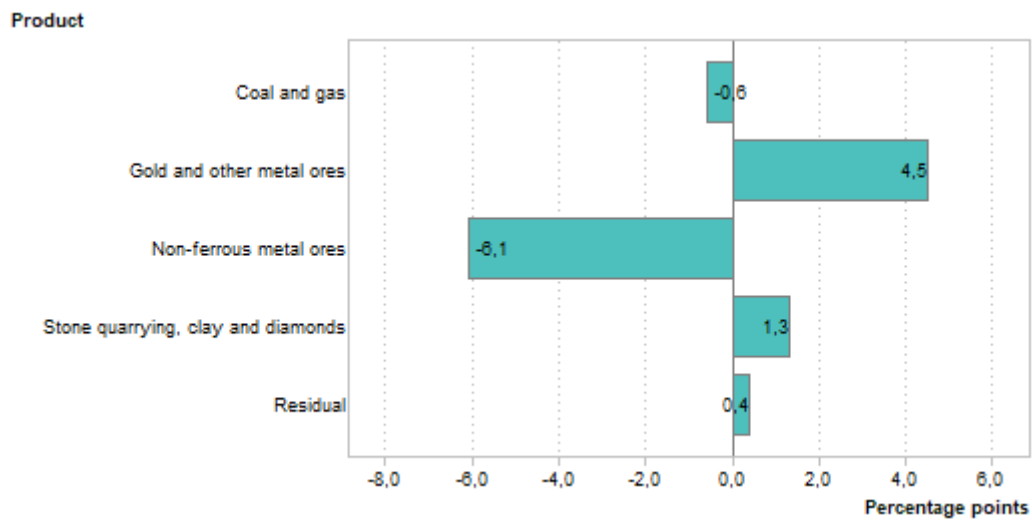
**Figure 3.2 – Contributions to the monthly percentage change in PPI for electricity and water**



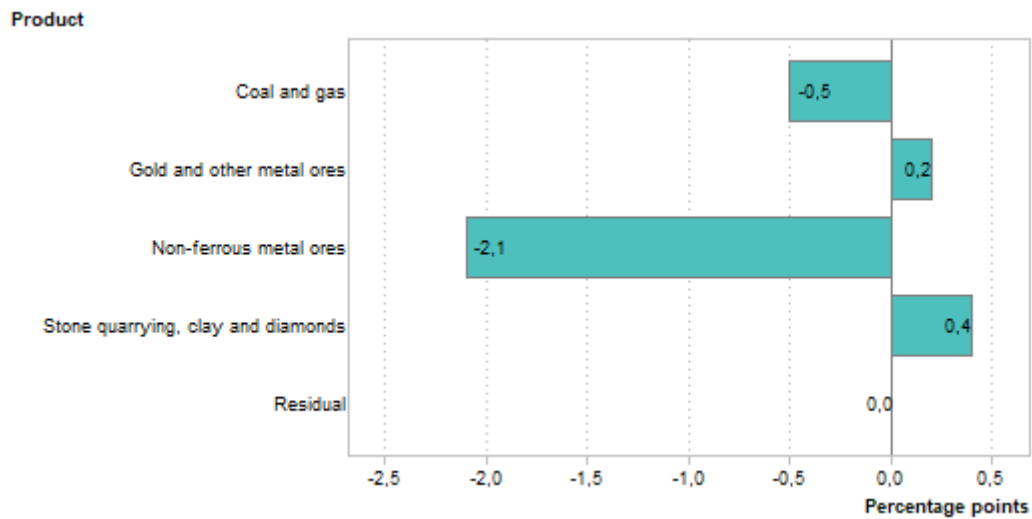
**Table 4 – PPI for mining**

| Product                            | Weight | Index (Dec 2020=100) |          |          | % change              |                       |
|------------------------------------|--------|----------------------|----------|----------|-----------------------|-----------------------|
|                                    |        | Jul 2022             | Jun 2023 | Jul 2023 | Jul 2023 vs. Jun 2023 | Jul 2023 vs. Jul 2022 |
|                                    |        | Mining               | 100,00   | 131,3    | 133,4                 | 130,7                 |
| Coal and gas                       | 24,90  | 151,7                | 151,4    | 148,5    | -1,9                  | -2,1                  |
| Gold and other metal ores          | 26,77  | 100,1                | 121,3    | 122,2    | 0,7                   | 22,1                  |
| Non-ferrous metal ores             | 42,45  | 141,0                | 128,5    | 122,0    | -5,1                  | -13,5                 |
| Stone quarrying, clay and diamonds | 5,88   | 104,8                | 124,0    | 133,5    | 7,7                   | 27,4                  |

**Figure 4.1 – Contributions to the annual percentage change in PPI for mining**



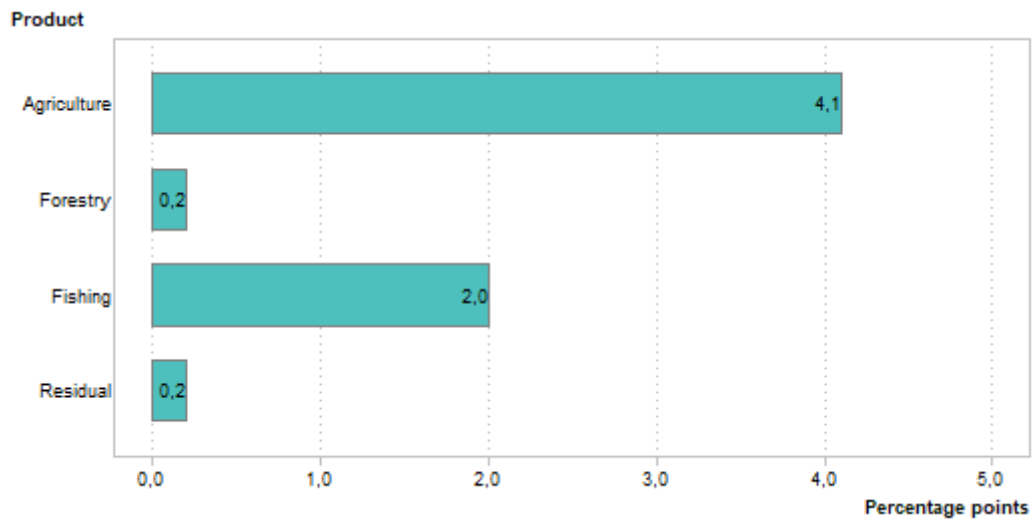
**Figure 4.2 – Contributions to the monthly percentage change in PPI for mining**



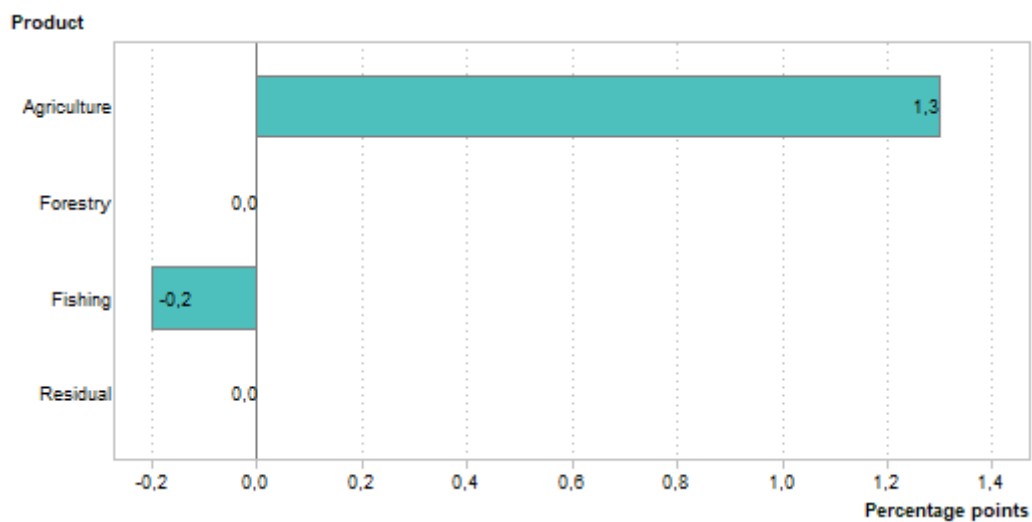
**Table 5 – PPI for agriculture, forestry and fishing**

| Product                                   |  | Weight | Index (Dec 2020=100) |          |          | % change              |                       |
|---|--|--------|----------------------|----------|----------|-----------------------|-----------------------|
|   |  |        | Jul 2022             | Jun 2023 | Jul 2023 | Jul 2023 vs. Jun 2023 | Jul 2023 vs. Jul 2022 |
| <b>Agriculture, forestry and fishing</b>  |  | 100,00 | 115,2                | 121,4    | 122,7    | 1,1                   | 6,5                   |
| <b>Agriculture</b>                        |  | 84,38  | 115,5                | 119,3    | 121,1    | 1,5                   | 4,8                   |
| <b>Products of crops and horticulture</b> |  | 48,90  | 103,9                | 109,0    | 111,2    | 2,0                   | 7,0                   |
| <b>Cereals and other crops</b>            |  | 24,36  | 126,1                | 114,9    | 115,8    | 0,8                   | -8,2                  |
| <b>Fruit and vegetables</b>               |  | 24,54  | 85,0                 | 106,1    | 109,6    | 3,3                   | 28,9                  |
| <b>Live animals and animal products</b>   |  | 35,48  | 128,6                | 131,4    | 132,7    | 1,0                   | 3,2                   |
| <b>Live animals</b>                       |  | 26,53  | 130,5                | 128,9    | 130,8    | 1,5                   | 0,2                   |
| <b>Milk and eggs</b>                      |  | 7,72   | 124,6                | 143,3    | 142,8    | -0,3                  | 14,6                  |
| <b>Other animal products</b>              |  | 1,23   | 114,0                | 102,6    | 101,8    | -0,8                  | -10,7                 |
| <b>Forestry</b>                           |  | 5,19   | 115,9                | 120,6    | 120,6    | 0,0                   | 4,1                   |
| <b>Fishing</b>                            |  | 10,43  | 112,8                | 137,2    | 134,8    | -1,7                  | 19,5                  |

**Figure 5.1 – Contributions to the annual percentage change in PPI for agriculture, forestry and fishing**



**Figure 5.2 – Contributions to the monthly percentage change in PPI for agriculture, forestry and fishing**



## Explanatory notes

|  |   |
|--|---|
| <b>Purpose and results of the survey</b> | <p>The Producer Price Index (PPI) measures changes in the prices of locally produced commodities. A sample of producers is surveyed each month and the results of this survey are used to compile the producer price indices for final manufactured goods, intermediate manufactured goods, electricity and water, mining, and agriculture, forestry and fishing. PPI can be used as an economic indicator of inflation, as an escalator in contracts and as a deflator in the calculation of the national accounts.</p> <p>Further information on the weighting structure, sources of information and methods of compilation of PPI can be found in the PPI sources and methods document, available on the Stats SA website.</p> |
| <b>Response rate</b>                     | The response rate for July 2023 was 94,4%.  |

## Glossary

|   |   |
|---|---|
| <b>Annual inflation rate</b>            | The annual inflation rate per specific PPI is the change in the specific PPI for all items of the relevant month of the current year compared with the specific PPI for all items of the same month in the previous year expressed as a percentage.   |
| <b>Annual percentage change</b>         | The annual percentage change is the change in the index of the relevant month of the current year compared with the index of the same month in the previous year expressed as a percentage.   |
| <b>Average annual inflation rate</b>    | The average annual inflation rate is the change in the average specific PPI for all items of one year compared with the average specific PPI for all items of the previous year expressed as a percentage.  |
| <b>Average annual percentage change</b> | The average annual percentage change is the change in the average index of one year compared with the average index of the previous year expressed as a percentage.   |
| <b>Contribution</b>                     | The monthly (annual) contribution of a specific product or group of products to the specific PPI is calculated by multiplying the weight of this product or group of products with the difference of the current index and the previous month (year) index for this product or group of products, divided by the index for the specific index, for the previous month (year). |
| <b>Monthly percentage change</b>        | The monthly percentage change is the change in the specific PPI of the relevant month compared with the specific PPI of the previous month expressed as a percentage.   |
| <b>Producer Price Index</b>             | PPI is defined as “A measure of the change in the prices of goods either as they leave their place of production or as they enter the production process” (OECD, 2006).”  |

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| Issue          | Expected release date |
|----------------|-----------------------|
| August 2023    | 28 September 2023     |
| September 2023 | 26 October 2023       |
| October 2023   | 30 November 2023      |

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