

STATISTICAL RELEASE
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Producer Price Index

March 2019

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Key findings for March 2019

Final manufactured goods – headline PPI

The annual percentage change in the PPI for final manufactured goods was 6,2% in March 2019 (compared with 4,7% in February 2019). From February 2019 to March 2019 the PPI for final manufactured goods increased by 1,3%.

The main contributors to the annual rate of 6,2% were coke, petroleum, chemical, rubber and plastic products (2,3 percentage points), food products, beverages and tobacco products (1,5 percentage points) and paper and printed products (0,6 of a percentage point) (see Figure 1.2).

The main contributors to the monthly increase of 1,3% were coke, petroleum, chemical, rubber and plastic products (0,6 of a percentage point) and food products, beverages and tobacco products (0,4 of a percentage point) (see Figure 1.1).

Intermediate manufactured goods

The annual percentage change in the PPI for intermediate manufactured goods was 6,3% in March 2019 (compared with 3,9% in February 2019). From February 2019 to March 2019 the PPI for intermediate manufactured goods increased by 1,6%.

The main contributors to the annual rate of 6,3% were basic and fabricated metals (2,8 percentage points) and chemicals, rubber and plastic products (2,5 percentage points) (see Figure 2.2).

The main contributor to the monthly increase of 1,6% was chemicals, rubber and plastic products (0,7 of a percentage point) (see Figure 2.1).

Electricity and water

The annual percentage change in the PPI for electricity and water was 5,9% in March 2019 (compared with 7,5% in February 2019). From February 2019 to March 2019 the PPI for electricity and water decreased by 2,3%.

The contributors to the annual rate of 5,9% were electricity (4,3 percentage points) and water (1,6 percentage points) (see Figure 3.2).

The contributor to the monthly decrease of 2,3% was electricity (-2,3 percentage points) (see Figure 3.1).

Mining

The annual percentage change in the PPI for mining was 20,2% in March 2019 (compared with 10,6% in February 2019). From February 2019 to March 2019 the PPI for mining increased by 5,2%.

The main contributors to the annual rate of 20,2% were non-ferrous metal ores (9,2 percentage points), gold and other metal ores (7,9 percentage points) and coal and gas (4,1 percentage points) (see Figure 4.2).

The main contributors to the monthly increase of 5,2% were non-ferrous metal ores (3,7 percentage points) and gold and other metal ores (1,9 percentage points) (see Figure 4.1).

Agriculture, forestry and fishing

The annual percentage change in the PPI for agriculture, forestry and fishing was -0,4% in March 2019 (compared with -2,2% in February 2019). From February 2019 to March 2019 the PPI for agriculture, forestry and fishing decreased by 2,8%.

The main contributor to the annual rate of -0,4% was agriculture (-1,8 percentage points) (see Figure 5.2).

The main contributor to the monthly decrease of 2,8% was agriculture (-2,8 percentage points) (see Figure 5.1).

Key figures and analytical series**Table A - Key figures**

Product	Weight	Index (Dec 2016=100)			Percentage change	
		Mar 2018	Feb 2019	Mar 2019	Mar 2019 vs. Feb 2019	Mar 2019 vs. Mar 2018
Final manufactured goods	100,00	105,0	110,1	111,5	1,3	6,2
Intermediate manufactured goods	100,00	101,8	106,5	108,2	1,6	6,3
Electricity and water	100,00	105,2	114,0	111,4	-2,3	5,9
Mining	100,00	100,0	114,3	120,2	5,2	20,2
Agriculture, forestry and fishing	100,00	99,0	101,4	98,6	-2,8	-0,4

Table B - Analytical series

Product	Weight	Index (Dec 2016=100)			Percentage change	
		Mar 2018	Feb 2019	Mar 2019	Mar 2019 vs. Feb 2019	Mar 2019 vs. Mar 2018
Final manufactured goods excluding petroleum products	90,37	104,5	108,8	109,7	0,8	5,0
Final manufactured goods excluding food	73,11	106,9	112,4	113,9	1,3	6,5
Intermediate manufactured goods excluding basic metals	81,79	102,4	106,1	108,1	1,9	5,6
Mining excluding precious metals and stones	64,43	102,3	123,5	130,8	5,9	27,9
Precious metals and stones	35,57	96,2	99,0	102,6	3,6	6,7

Risenga Maluleke
Statistician-General

Main index numbers and annual percentage changes

Table C - Main index numbers (Dec 2016=100)

Table C1 - Final manufactured goods

Year and type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average	
2015	Index	88,1	88,4	89,9	90,7	91,4	91,7	91,9	92,0	92,2	93,0	93,1	93,3	91,3
	Rate	3,5	2,6	3,1	3,0	3,6	3,7	3,3	3,4	3,6	4,2	4,3	4,8	3,6
2016	Index	94,8	95,6	96,3	97,1	97,4	97,9	98,7	98,6	98,3	99,1	99,5	100,0	97,8
	Rate	7,6	8,1	7,1	7,0	6,5	6,8	7,4	7,2	6,6	6,6	6,9	7,1	7,0
2017	Index	100,4	101,0	101,3	101,6	102,1	101,8	102,3	102,7	103,4	104,1	104,6	105,2	102,5
	Rate	5,9	5,6	5,2	4,6	4,8	4,0	3,6	4,2	5,2	5,0	5,1	5,2	4,8
2018	Index	105,5	105,2	105,0	106,1	106,8	107,8	108,5	109,2	109,8	111,3	111,7	110,7	108,1
	Rate	5,1	4,2	3,7	4,4	4,6	5,9	6,1	6,3	6,2	6,9	6,8	5,2	5,5
2019	Index	109,8	110,1	111,5	..	..	..	..	..	..	..	..	..	..
	Rate	4,1	4,7	6,2	..	..	..	..	..	..	..	..	..	..

Table C2 - Intermediate manufactured goods

Year and type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average	
2015	Index	91,5	91,4	91,6	91,0	91,2	91,4	91,6	91,8	93,0	93,0	93,2	93,2	92,0
	Rate	3,4	1,5	0,9	-0,2	-0,4	-0,4	-0,3	-0,4	0,8	0,9	1,9	1,6	0,8
2016	Index	95,0	95,4	96,5	97,4	99,5	99,8	99,5	99,3	99,3	98,7	99,4	100,0	98,3
	Rate	3,8	4,4	5,3	7,1	9,0	9,2	8,5	8,2	6,8	6,2	6,6	7,3	6,8
2017	Index	101,4	102,1	103,1	102,3	102,6	101,9	101,0	101,3	101,4	102,7	103,6	103,2	102,2
	Rate	6,7	7,0	6,8	5,0	3,1	2,1	1,5	2,0	2,1	4,1	4,2	3,2	4,0
2018	Index	102,9	102,5	101,8	102,4	102,8	105,1	106,6	107,3	109,2	110,3	109,8	108,4	105,8
	Rate	1,5	0,4	-1,3	0,1	0,2	3,1	5,5	5,9	7,7	7,4	6,0	5,0	3,5
2019	Index	106,8	106,5	108,2	..	..	..	..	..	..	..	..	..	..
	Rate	3,8	3,9	6,3	..	..	..	..	..	..	..	..	..	..

Table C3 - Electricity and water

Year and type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average	
2015	Index	82,8	83,2	82,2	86,1	86,9	117,1	128,5	126,5	95,8	93,5	93,4	93,1	97,4
	Rate	9,0	8,2	8,6	10,4	9,9	11,4	12,2	11,4	11,3	13,5	12,9	14,1	11,1
2016	Index	92,4	93,7	91,7	96,7	96,8	130,5	139,2	141,1	106,6	101,4	101,2	100,0	107,6
	Rate	11,6	12,6	11,6	12,3	11,5	11,5	8,4	11,5	11,2	8,5	8,3	7,4	10,4
2017	Index	101,6	102,4	101,6	102,4	103,0	138,6	144,1	144,8	113,0	105,0	105,2	103,3	113,8
	Rate	10,0	9,3	10,8	5,9	6,4	6,2	3,5	2,6	6,0	3,6	4,0	3,3	5,8
2018	Index	104,6	106,0	105,2	107,4	107,6	143,3	155,3	154,2	118,4	112,8	112,8	111,3	119,9
	Rate	3,0	3,5	3,5	4,9	4,5	3,4	7,8	6,5	4,8	7,4	7,2	7,7	5,4
2019	Index	110,4	114,0	111,4	..	..	..	..	..	..	..	..	..	..
	Rate	5,5	7,5	5,9	..	..	..	..	..	..	..	..	..	..

Table C4 - Mining

Year and type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average	
2015	Index	92,1	90,1	90,0	89,0	89,6	90,5	87,1	85,0	89,2	90,2	90,7	90,4	89,5
	Rate	-1,7	-5,4	-4,4	-4,7	-3,8	-4,2	-8,7	-10,8	-5,2	-0,8	2,4	-0,7	-4,1
2016	Index	94,4	96,2	97,4	98,2	102,7	101,2	101,0	102,9	103,7	100,8	98,0	100,0	99,7
	Rate	2,5	6,8	8,2	10,3	14,6	11,8	16,0	21,0	16,2	11,7	8,1	10,6	11,5
2017	Index	104,5	107,9	103,2	103,8	99,6	99,7	100,1	104,0	113,6	109,9	109,1	106,1	105,1
	Rate	10,7	12,2	6,0	5,7	-3,0	-1,5	-0,9	1,1	9,5	9,0	11,3	6,1	5,4
2018	Index	104,4	103,3	100,0	101,1	103,1	107,7	109,7	110,6	114,6	116,0	114,3	112,5	108,1
	Rate	-0,1	-4,3	-3,1	-2,6	3,5	8,0	9,6	6,3	0,9	5,6	4,8	6,0	2,9
2019	Index	112,4	114,3	120,2	..	..	..	..	..	..	..	..	..	..
	Rate	7,7	10,6	20,2	..	..	..	..	..	..	..	..	..	..

Table C5 - Agriculture, forestry and fishing

Year and type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average	
2015	Index	80,7	81,1	82,3	83,7	81,8	81,1	82,1	83,9	84,5	87,0	90,9	94,0	84,4
	Rate	-1,8	-0,3	-1,0	4,5	3,1	4,5	6,4	7,5	5,2	6,8	9,6	11,8	4,7
2016	Index	99,8	101,3	99,5	97,8	96,7	97,5	97,5	96,8	96,6	98,3	100,0	98,3	98,3
	Rate	23,6	24,9	20,9	16,9	18,3	20,2	18,8	16,1	14,5	11,1	8,1	6,4	16,4
2017	Index	96,9	98,1	95,3	96,2	96,2	96,1	97,8	96,6	98,7	101,3	105,1	106,4	98,7
	Rate	-2,9	-3,2	-4,2	-1,6	-0,5	-1,4	0,3	-0,9	2,0	4,9	6,9	6,4	0,4
2018	Index	105,3	103,7	99,0	96,6	98,7	98,3	98,6	98,5	99,6	99,9	100,3	102,3	100,1
	Rate	8,7	5,7	3,9	0,4	2,6	2,3	0,8	2,0	0,9	-1,4	-4,6	-3,9	1,4
2019	Index	102,1	101,4	98,6	..	..	..	..	..	..	..	..	..	..
	Rate	-3,0	-2,2	-0,4	..	..	..	..	..	..	..	..	..	..

Detailed index numbers and percentage changes, and contributions

Table 1 - PPI for final manufactured goods

Product	Weight	Index (Dec 2016=100)			Percentage change	
		Mar 2018	Feb 2019	Mar 2019	Mar 2019 vs. Feb 2019	Mar 2019 vs. Mar 2018
Final manufactured goods	100,00	105,0	110,1	111,5	1,3	6,2
Food products, beverages and tobacco products	35,26	101,2	104,7	105,8	1,1	4,5
Food products	26,89	99,3	103,3	104,2	0,9	4,9
Meat, fish, fruit, vegetables, oils and fats	9,45	104,3	102,4	104,2	1,8	-0,1
Meat and meat products	5,25	108,8	103,4	105,9	2,4	-2,7
Fish and fish products	2,02	100,5	102,3	102,3	0,0	1,8
Fruit and vegetables	1,35	101,2	102,5	104,0	1,5	2,8
Oils and fats	0,83	92,1	97,7	100,1	2,5	8,7
Dairy products	2,47	101,8	101,7	102,6	0,9	0,8
Grain mill products, starches and starch products, and animal feeds	3,90	85,2	95,4	96,1	0,7	12,8
Grain mill products	2,35	80,4	90,1	91,1	1,1	13,3
Starches, starch products and animal feeds	1,55	90,1	100,6	100,8	0,2	11,9
Other food products	11,07	98,4	106,9	107,3	0,4	9,0
Bakery products	7,32	101,2	111,6	111,8	0,2	10,5
Sugar	1,74	82,6	88,7	88,8	0,1	7,5
Other food	2,01	103,0	104,9	106,0	1,0	2,9
Beverages	7,13	106,2	108,4	110,3	1,8	3,9
Tobacco products	1,24	109,8	109,8	109,8	0,0	0,0
Textiles, clothing and footwear	4,95	105,6	109,2	109,7	0,5	3,9
Textiles	0,78	107,3	112,3	115,1	2,5	7,3
Clothing	3,61	104,7	108,0	108,2	0,2	3,3
Footwear	0,56	110,7	114,0	114,0	0,0	3,0
Paper and printed products	7,44	108,7	116,5	116,9	0,3	7,5
Coke, petroleum, chemical, rubber and plastic products	20,23	110,2	118,8	122,2	2,9	10,9
Coal and petroleum products	10,02	107,4	119,1	124,5	4,5	15,9
Petrol	3,10	107,6	109,7	116,2	5,9	8,0
Diesel	3,83	109,9	118,0	126,4	7,1	15,0
Other	3,09	99,3	124,6	125,2	0,5	26,1
Chemical products	7,74	113,9	120,2	121,8	1,3	6,9
Rubber and plastic products	2,47	106,9	109,2	110,0	0,7	2,9
Non-metallic mineral products	2,78	104,6	108,9	109,6	0,6	4,8
Metals, machinery, equipment and computing equipment	14,57	102,9	106,4	106,8	0,4	3,8
Structural and fabricated metal products	6,75	105,2	109,5	110,0	0,5	4,6
General and special purpose machinery	6,93	101,5	104,4	104,4	0,0	2,9
Household appliances and office machinery	0,89	97,4	101,1	103,1	2,0	5,9
Electrical machinery and communication and metering equipment	3,64	107,1	112,5	112,8	0,3	5,3
Transport equipment	9,02	107,8	112,5	113,9	1,2	5,7
Motor vehicles	3,56	108,9	112,8	112,3	-0,4	3,1
Parts for transport equipment	5,46	104,5	109,8	112,4	2,4	7,6
Furniture and other manufacturing	2,11	102,6	105,3	105,8	0,5	3,1

Figure 1.1 - Contributions to the monthly percentage change in PPI for final manufactured goods

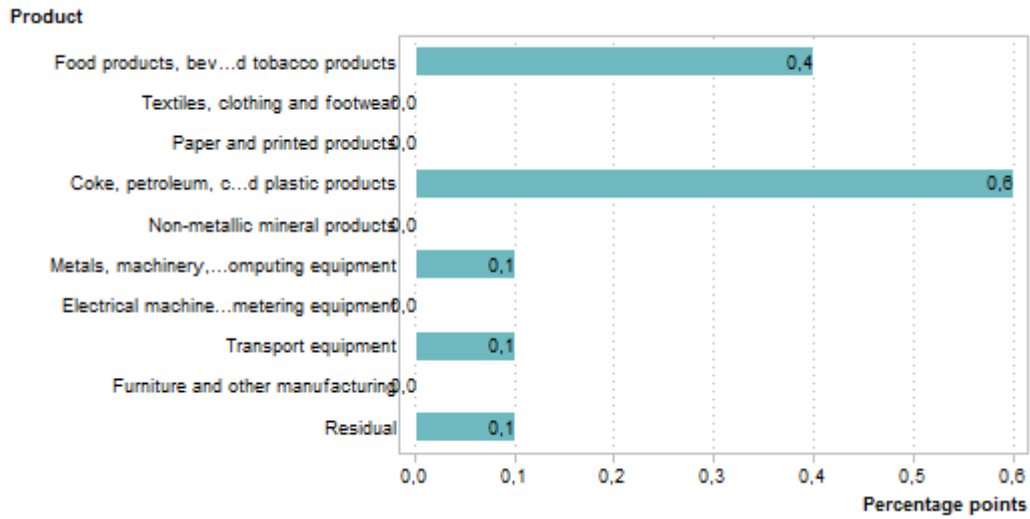


Figure 1.2 - Contributions to the annual percentage change in PPI for final manufactured goods

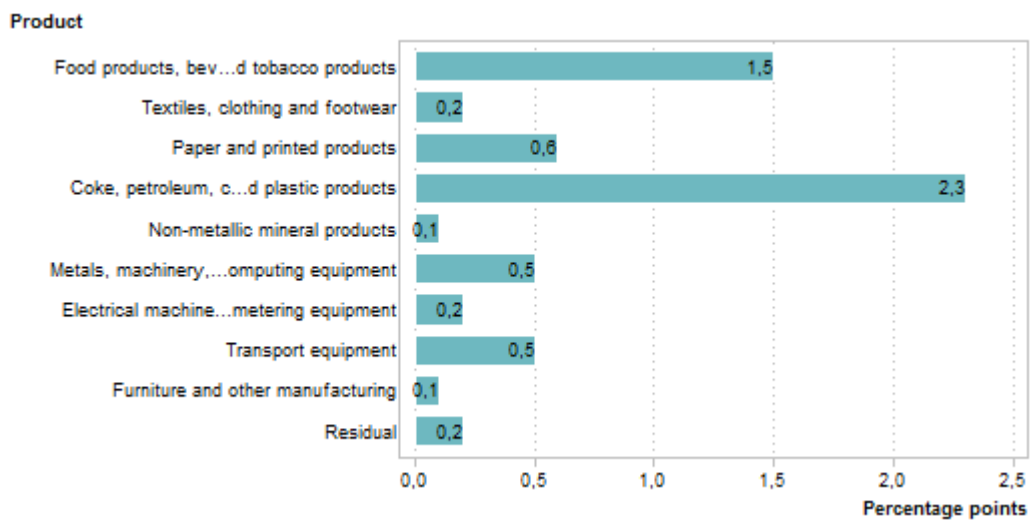


Table 2 - PPI for intermediate manufactured goods

Product	Weight	Index (Dec 2016=100)			Percentage change	
		Mar 2018	Feb 2019	Mar 2019	Mar 2019 vs. Feb 2019	Mar 2019 vs. Mar 2018
Intermediate manufactured goods	100,00	101,8	106,5	108,2	1,6	6,3
Textiles and leather goods	4,55	96,3	98,9	99,1	0,2	2,9
Sawmilling and wood	24,26	105,1	105,8	106,9	1,0	1,7
Chemicals, rubber and plastic products	32,71	100,6	105,9	108,3	2,3	7,7
Basic and other chemicals	14,42	105,5	114,8	119,8	4,4	13,6
Plastic products	15,34	97,5	100,0	99,4	-0,6	1,9
Rubber products	2,95	104,4	107,1	114,3	6,7	9,5
Glass and glass products	3,41	103,7	104,3	104,3	0,0	0,6
Basic and fabricated metals	31,88	98,7	106,5	107,7	1,1	9,1
Basic iron and steel	18,21	99,4	107,9	107,9	0,0	8,6
Basic precious and non-ferrous metals and castings	13,67	97,5	103,8	106,6	2,7	9,3
Recycling and manufacturing n.e.c.	3,19	122,2	126,1	131,4	4,2	7,5

Figure 2.1 - Contributions to the monthly percentage change in PPI for intermediate manufactured goods

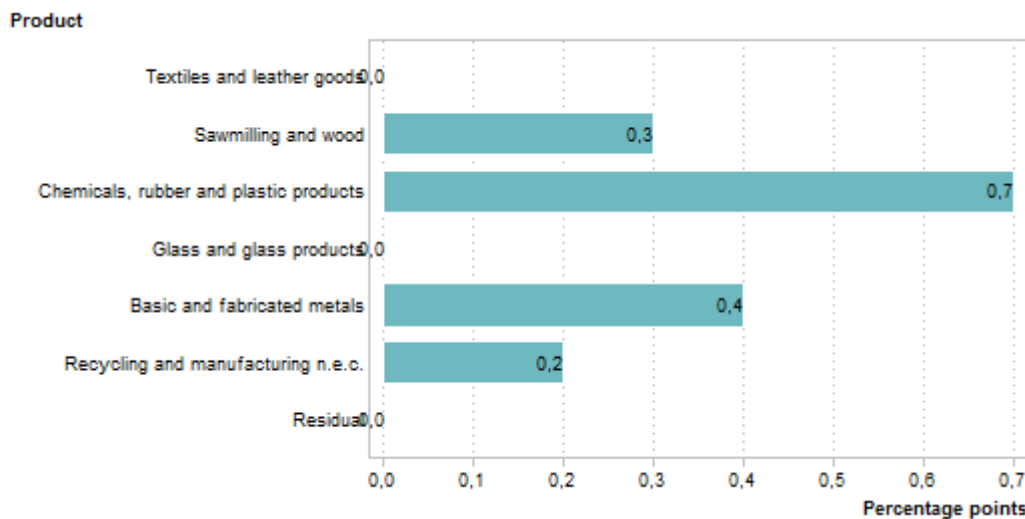


Figure 2.2 - Contributions to the annual percentage change in PPI for intermediate manufactured goods

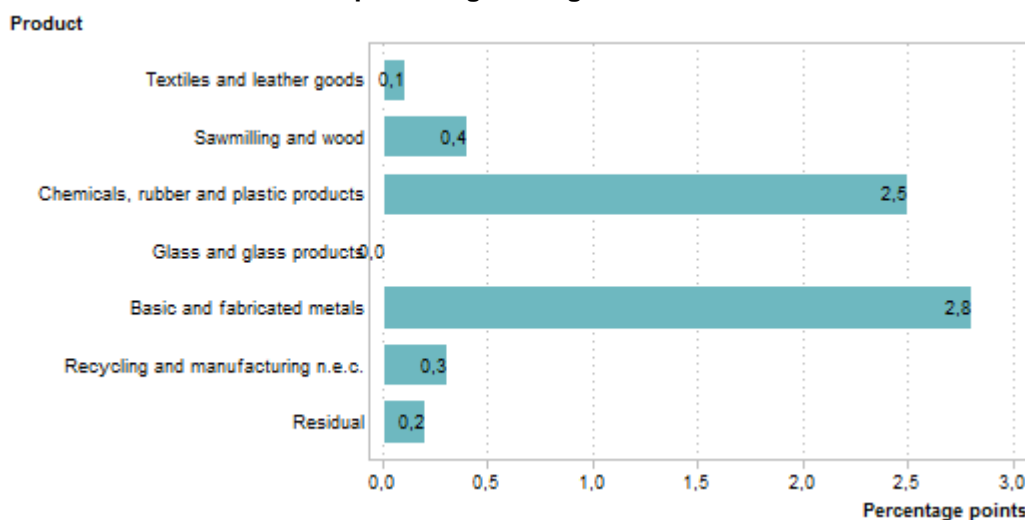


Table 3 - PPI for electricity and water

Product	Weight	Index (Dec 2016=100)			Percentage change	
		Mar 2018	Feb 2019	Mar 2019	Mar 2019 vs. Feb 2019	Mar 2019 vs. Mar 2018
Electricity and water	100,00	105,2	114,0	111,4	-2,3	5,9
Electricity	86,05	104,3	112,6	109,6	-2,7	5,1
Water	13,95	110,5	122,5	122,5	0,0	10,9

Figure 3.1 - Contributions to the monthly percentage change in PPI for electricity and water

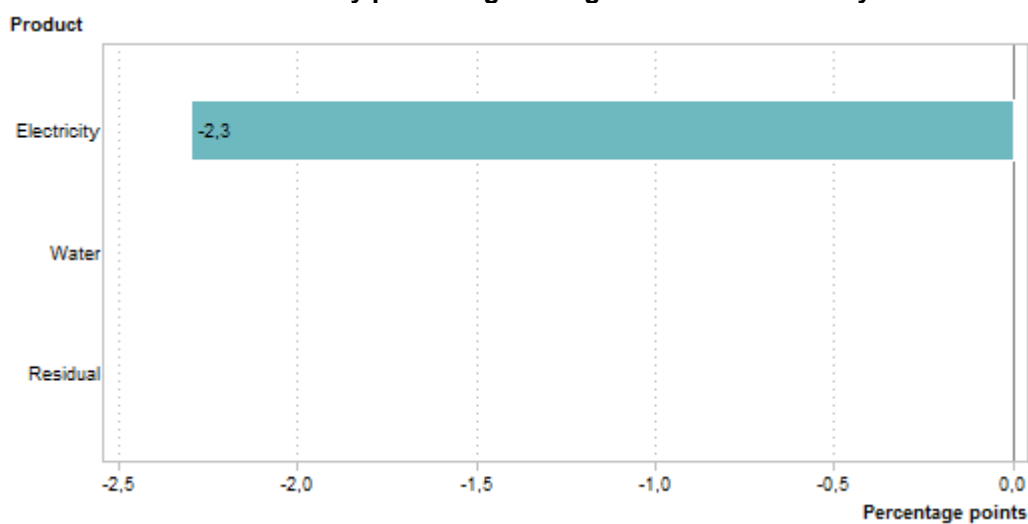


Figure 3.2 - Contributions to the annual percentage change in PPI for electricity and water

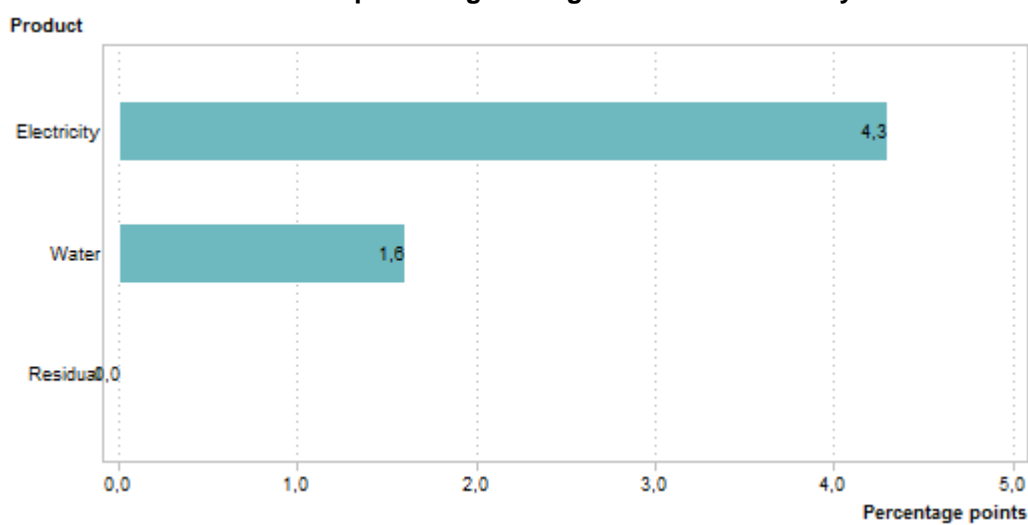


Table 4 - PPI for mining

Product	Weight	Index (Dec 2016=100)			Percentage change	
		Mar 2018	Feb 2019	Mar 2019	Mar 2019 vs. Feb 2019	Mar 2019 vs. Mar 2018
Mining	100,00	100,0	114,3	120,2	5,2	20,2
Coal and gas	26,53	104,5	122,3	119,9	-2,0	14,7
Gold and other metal ores	28,31	93,2	113,4	121,2	6,9	30,0
Non-ferrous metal ores	35,49	101,0	115,0	127,0	10,4	25,7
Stone quarrying, clay and diamonds	9,67	105,7	86,2	85,8	-0,5	-18,8

Figure 4.1 - Contributions to the monthly percentage change in PPI for mining

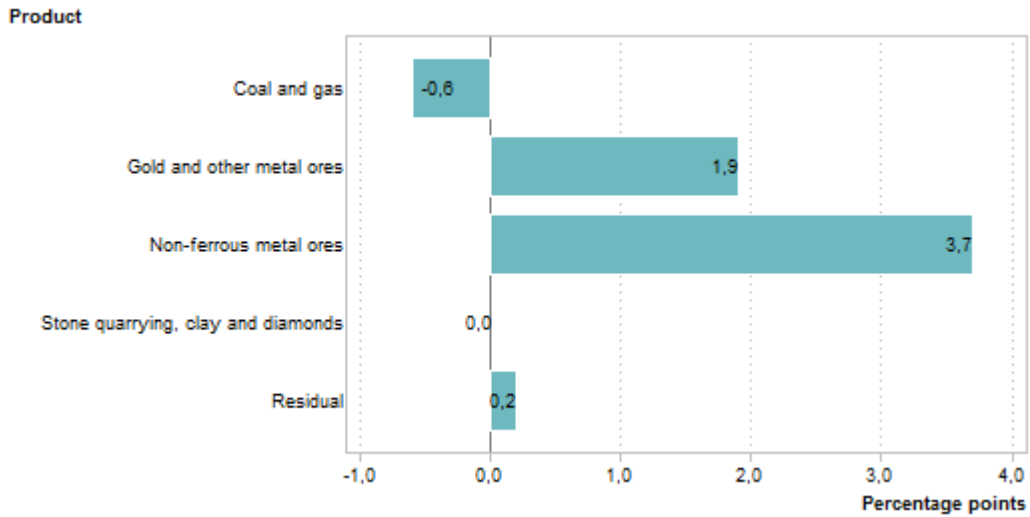


Figure 4.2 - Contributions to the annual percentage change in PPI for mining

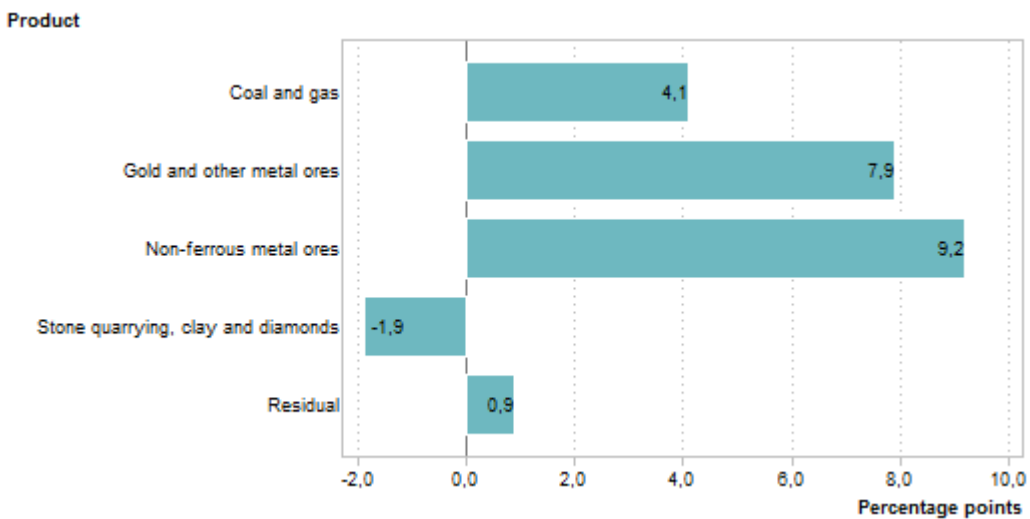


Table 5 - PPI for agriculture, forestry and fishing

Product	Weight	Index (Dec 2016=100)			Percentage change	
		Mar 2018	Feb 2019	Mar 2019	Mar 2019 vs. Feb 2019	Mar 2019 vs. Mar 2018
Agriculture, forestry and fishing	100,00	99,0	101,4	98,6	-2,8	-0,4
Agriculture	85,98	97,8	99,0	95,7	-3,3	-2,1
Products of crops and horticulture	43,22	82,1	94,3	88,7	-5,9	8,0
Cereals and other crops	19,06	66,8	81,5	82,9	1,7	24,1
Fruit and vegetables	24,16	93,8	103,0	92,0	-10,7	-1,9
Live animals and animal products	42,76	111,9	102,5	101,5	-1,0	-9,3
Live animals	31,54	112,4	102,9	100,7	-2,1	-10,4
Milk and eggs	9,68	109,3	97,6	100,2	2,7	-8,3
Other animal products	1,54	117,6	126,0	125,9	-0,1	7,1
Forestry	7,40	104,8	113,2	113,2	0,0	8,0
Fishing	6,62	108,6	119,4	119,3	-0,1	9,9

Figure 5.1 - Contributions to the monthly percentage change in PPI for agriculture, forestry and fishing

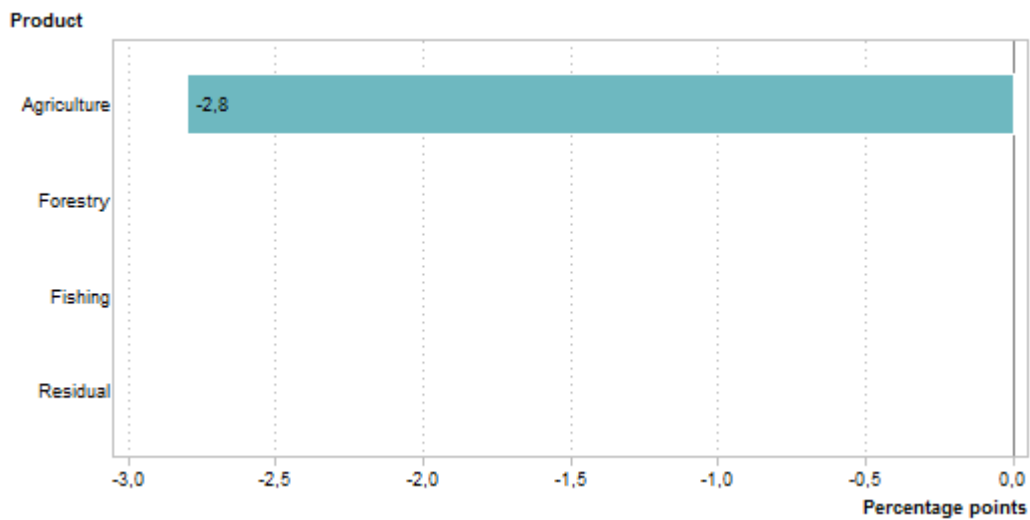
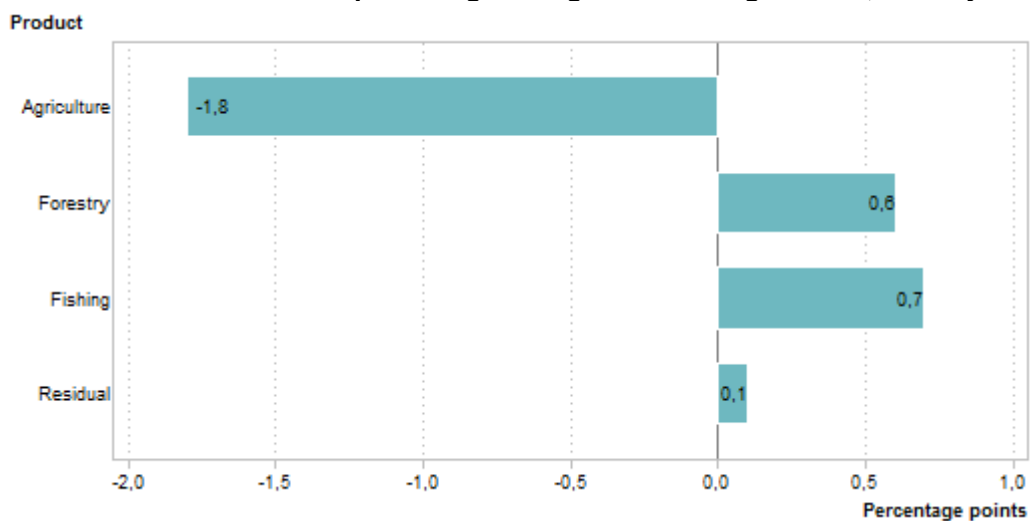


Figure 5.2 - Contributions to the annual percentage change in PPI for agriculture, forestry and fishing



Explanatory notes

<p>Purpose and results of the survey</p>	<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. The 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 the PPI can be found in the PPI sources and methods document, available on the Stats SA website.</p>
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Glossary

<p>Producer Price Index</p>	<p>The 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).”</p>
<p>Contributions</p>	<p>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).</p>
<p>Annual inflation rate</p>	<p>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.</p>
<p>Annual percentage change</p>	<p>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.</p>
<p>Average annual inflation rate</p>	<p>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.</p>
<p>Average annual percentage change</p>	<p>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.</p>
<p>Monthly percentage change</p>	<p>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.</p>
<p>Chain linking</p>	<p>The construction of a continuous price series by multiplying together price indices that have been using different weights reference periods. The resulting index is referred to as a chained index (Practical Guide to producing Consumer Price Indices; 2009). Linking is intended to ensure that the individual indices on all levels show the correct development through time, but leads to non-additivity (IMF,2005).</p>

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Forthcoming issues	Issue	Expected release date
	April 2019	30 May 2019
	May 2019	27 June 2019
	June 2019	25 July 2019

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