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Statistical release

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Producer Price Index (PPI)

January 2016

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Key findings for January 2016

Final manufactured goods – headline PPI

The annual percentage change in the PPI for final manufactured goods was 7,6% in January 2016 (compared with 4,8% in December 2015). From December 2015 to January 2016 the PPI for final manufactured goods increased by 1,6%.

The main contributors to the annual rate of 7,6% were food products, beverages and tobacco products (7,9% year-on-year and contributing 2,8 percentage points), coke, petroleum, chemical, rubber and plastic products (7,6% year-on-year and contributing 1,4 percentage points), transport equipment (12,8% year-on-year and contributing 1,1 percentage points) and metals, machinery, equipment and computing equipment (6,7% year-on-year and contributing 1,0 percentage point) (see Figure 1.2).

The main contributors to the monthly increase of 1,6% were food products, beverages and tobacco products (1,7% month-on-month and contributing 0,6 of a percentage point), transport equipment (6,7% month-on-month and contributing 0,6 of a percentage point) and metals, machinery, equipment and computing equipment (2,4% month-on-month and contributing 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 3,8% in January 2016 (compared with 1,6% in December 2015). From December 2015 to January 2016 the PPI for intermediate manufactured goods increased by 1,9%.

The main contributors to the annual rate of 3,8% were sawmilling and wood (8,1% year-on-year and contributing 1,7 percentage points) and textiles and leather goods (10,1% year-on-year and contributing 1,0 percentage point) (see Figure 2.2).

The main contributor to the monthly increase of 1,9% was basic and fabricated metals (3,0% month-on-month and contributing 0,9 of a percentage point).

Electricity and water

The annual percentage change in the PPI for electricity and water was 11,6% in January 2016 (compared with 14,1% in December 2015). From December 2015 to January 2016 the PPI for electricity and water decreased by 0,8%.

The contributors to the annual rate of 11,6% were electricity (11,5% year-on-year and contributing 9,7 percentage points) and water (11,3% year-on-year and contributing 1,8 percentage points) (see Figure 3.2).

The contributor to the monthly decrease of 0,8% was electricity (-0,9% month-on-month and contributing -0,8 of a percentage point) (see Figure 3.1).

Mining

The annual percentage change in the PPI for mining was 2,5% in January 2016 (compared with -0,7% in December 2015). From December 2015 to January 2016 the PPI for mining increased by 4,4%.

The main contributors to the annual rate of 2,5% were stone quarrying, clay and diamonds (56,5% year-on-year and contributing 4,0 percentage points) and gold and other metal ores (6,3% year-on-year and contributing 1,9 percentage points) (see Figure 4.2).

The main contributors to the monthly increase of 4,4% were gold and other metal ores (6,8% month-on-month and contributing 2,1 percentage points), non-ferrous metal ores (3,3% month-on-month and contributing 1,0 percentage point) and stone quarrying, clay and diamonds (9,3% month-on-month and contributing 1,0 percentage point).

Agriculture, forestry and fishing

The annual percentage change in the PPI for agriculture, forestry and fishing was 23,6% in January 2016 (compared with 11,8% in December 2015). From December 2015 to January 2016 the PPI for agriculture, forestry and fishing increased by 6,1%.

The main contributor to the annual rate of 23,6% was agriculture (25,9% year-on-year and contributing 22,1 percentage points) (see Figure 5.2).

The main contributor to the monthly increase of 6,1% was agriculture (6,7% month-on-month and contributing 5,8 percentage points) (see Figure 5.1).

Key figures and analytical series

Table A - Key figures

Product	Weight	Index (2012=100)			Percentage change	
		Jan 2015	Dec 2015	Jan 2016	Jan 2016 vs. Dec 2015	Jan 2016 vs. Jan 2015
Final manufactured goods	100,00	113,8	120,6	122,5	1,6	7,6
Intermediate manufactured goods	100,00	117,0	119,1	121,4	1,9	3,8
Electricity and water	100,00	114,7	129,0	128,0	-0,8	11,6
Mining	100,00	108,3	106,3	111,0	4,4	2,5
Agriculture, forestry and fishing	100,00	108,1	125,9	133,6	6,1	23,6

Table B - Analytical series

Product	Weight	Index (2012=100)			Percentage change	
		Jan 2015	Dec 2015	Jan 2016	Jan 2016 vs. Dec 2015	Jan 2016 vs. Jan 2015
Final manufactured goods excluding petroleum products	89,62	116,6	123,0	125,4	2,0	7,5
Final manufactured goods excluding food	74,80	112,1	118,8	120,6	1,5	7,6
Intermediate manufactured goods excluding basic metals	84,18	116,9	120,8	123,8	2,5	5,9
Mining excluding precious metals and stones	62,32	110,0	101,8	102,6	0,8	-6,7
Precious metals and stones	37,68	107,7	115,2	126,2	9,5	17,2

Note:

The producer price index for January 2016 contains product-level weight adjustments for electricity and water; mining; and agriculture, forestry & fishing. These adjustments are based on data for 2014 provided by respective national departments. In November 2015 Stats SA advised the public on changes in the institutional responsibility for compiling the national accounts. One consequence is the publication of the supply and use tables for 2014 in March 2016 rather than November 2015. Accordingly, the PPI high-level weights will be updated in the January 2017 statistical release rather than this release.

PJ Lehohla
Statistician-General

Main index numbers and annual percentage changes

Table C - Main index numbers (2012=100)

Table C1 - Final manufactured goods

Year and type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
2012	Index	97,1	98,0	98,6	99,2	100,0	99,8	99,8	100,5	100,8	101,7	102,4	102,2
	Rate	..	..	..	..	..	..	..	..	..	..	..	..
2013	Index	102,7	103,3	104,2	104,6	104,9	105,7	106,4	107,2	107,6	108,1	108,3	108,8
	Rate	5,8	5,4	5,7	5,4	4,9	5,9	6,6	6,7	6,7	6,3	5,8	6,5
2014	Index	109,9	111,3	112,7	113,8	114,0	114,3	114,9	114,9	115,0	115,3	115,3	115,1
	Rate	7,0	7,7	8,2	8,8	8,7	8,1	8,0	7,2	6,9	6,7	6,5	7,5
2015	Index	113,8	114,2	116,2	117,2	118,1	118,5	118,7	118,8	119,1	120,2	120,3	118,0
	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
2016	Index	122,5	..	..	..	..	..	..	..	..	..	..	..
	Rate	7,6	..	..	..	..	..	..	..	..	..	..	..

Table C2 - Intermediate manufactured goods

Year and type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
2012	Index	97,9	98,3	97,9	98,6	98,9	99,6	99,0	99,4	102,1	102,9	103,2	102,2
	Rate	..	..	..	..	..	..	..	..	..	..	..	..
2013	Index	103,6	104,2	105,4	105,7	106,6	107,6	108,3	110,4	110,2	110,8	110,9	110,5
	Rate	5,8	6,0	7,7	7,2	7,8	8,0	9,4	11,1	7,9	7,7	7,5	8,1
2014	Index	113,2	115,1	116,0	116,5	117,1	117,3	117,5	117,8	117,9	117,7	116,9	117,2
	Rate	9,3	10,5	10,1	10,2	9,8	9,0	8,5	6,7	7,0	6,2	5,4	8,2
2015	Index	117,0	116,8	117,1	116,3	116,6	116,8	117,1	117,3	118,8	118,8	119,1	117,6
	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
2016	Index	121,4	..	..	..	..	..	..	..	..	..	..	..
	Rate	3,8	..	..	..	..	..	..	..	..	..	..	..

Table C3 - Electricity and water

Year and type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
2012	Index	81,8	82,4	82,1	86,7	88,0	127,1	139,5	139,8	98,4	92,2	91,3	90,9
	Rate	..	..	..	..	..	..	..	..	..	..	..	..
2013	Index	91,9	93,1	91,5	97,9	99,9	134,6	147,3	144,9	111,1	105,7	105,7	103,9
	Rate	12,3	13,0	11,4	12,9	13,5	5,9	5,6	3,6	12,9	14,6	15,8	14,3
2014	Index	105,2	106,6	104,9	108,1	109,6	145,7	158,8	157,4	119,3	114,2	114,6	113,1
	Rate	14,5	14,5	14,6	10,4	9,7	8,2	7,8	8,6	7,4	8,0	8,4	8,9
2015	Index	114,7	115,3	113,9	119,3	120,4	162,3	178,1	175,3	132,8	129,6	129,4	129,0
	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
2016	Index	128,0	..	..	..	..	..	..	..	..	..	..	..
	Rate	11,6	..	..	..	..	..	..	..	..	..	..	..

Table C4 - Mining

Year and type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
2012	Index	98,1	99,8	98,3	98,7	98,9	98,1	97,3	98,0	101,2	104,6	104,5	102,6
	Rate	..	..	..	..	..	..	..	..	..	..	..	..
2013	Index	105,2	106,4	106,8	103,1	104,5	105,0	104,1	108,2	105,3	104,4	106,0	105,1
	Rate	7,2	6,6	8,6	4,5	5,7	7,0	7,0	10,4	4,1	-0,2	1,4	2,4
2014	Index	110,2	112,0	110,7	109,9	109,6	111,1	112,2	112,1	110,7	107,0	104,2	107,0
	Rate	4,8	5,3	3,7	6,6	4,9	5,8	7,8	3,6	5,1	2,5	-1,7	1,8
2015	Index	108,3	105,9	105,8	104,7	105,4	106,4	102,4	100,0	104,9	106,1	106,7	106,3
	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
2016	Index	111,0	..	..	..	..	..	..	..	..	..	..	..
	Rate	2,5	..	..	..	..	..	..	..	..	..	..	..

Table C5 - Agriculture, forestry and fishing

Year and type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
2012	Index	101,3	99,6	99,2	98,0	96,7	96,3	98,0	97,0	98,7	104,0	105,5	105,8
	Rate	..	..	..	..	..	..	..	..	..	..	..	..
2013	Index	104,3	100,8	99,6	99,7	99,5	99,4	99,4	100,4	103,1	105,9	108,5	110,1
	Rate	3,0	1,2	0,4	1,7	2,9	3,2	1,4	3,5	4,5	1,8	2,8	2,6
2014	Index	110,1	108,9	111,3	107,3	106,2	103,9	103,3	104,6	107,6	109,1	111,0	112,6
	Rate	5,6	8,0	11,7	7,6	6,7	4,5	3,9	4,2	4,4	3,0	2,3	5,3
2015	Index	108,1	108,6	110,2	112,1	109,5	108,6	109,9	112,4	113,2	116,5	121,7	125,9
	Rate	-1,8	-0,3	-1,0	4,5	3,1	4,5	6,4	7,5	5,2	6,8	9,6	4,7
2016	Index	133,6	..	..	..	..	..	..	..	..	..	..	..
	Rate	23,6	..	..	..	..	..	..	..	..	..	..	..

Detailed index numbers and percentage changes, and contributions

Table 1 - PPI for final manufactured goods

	Product	Weight	Index (2012=100)			Percentage change	
			Jan 2015	Dec 2015	Jan 2016	Jan 2016 vs. Dec 2015	Jan 2016 vs. Jan 2015
Final manufactured goods		100,00	113,8	120,6	122,5	1,6	7,6
Food products, beverages and tobacco products		33,92	117,0	124,2	126,3	1,7	7,9
Food products		25,20	119,0	126,0	128,3	1,8	7,8
	Meat, fish, fruit, vegetables, oils and fats	9,41	122,7	127,3	129,3	1,6	5,4
	Meat and meat products	5,03	126,3	127,9	127,3	-0,5	0,8
	Fish and fish products	1,87	127,9	136,6	138,6	1,5	8,4
	Fruit and vegetables	1,53	114,2	118,3	120,4	1,8	5,4
	Oils and fats	0,98	111,0	124,0	140,0	12,9	26,1
	Dairy products	2,26	122,3	121,6	122,5	0,7	0,2
	Grain mill products, starches and starch products, and animal feeds	3,14	112,4	124,8	129,9	4,1	15,6
	Grain mill products	1,32	108,5	122,3	130,3	6,5	20,1
	Starches, starch products and animal feeds	1,82	117,4	128,9	132,0	2,4	12,4
	Other food products	10,39	116,9	126,3	128,2	1,5	9,7
	Bakery products	7,62	122,5	132,1	134,3	1,7	9,6
	Sugar	1,44	103,8	116,4	115,5	-0,8	11,3
	Other food	1,33	110,4	115,2	118,5	2,9	7,3
Beverages		7,62	111,5	119,4	121,2	1,5	8,7
Tobacco products		1,10	116,2	122,9	122,9	0,0	5,8
Textiles, clothing and footwear		3,96	114,9	122,0	122,8	0,7	6,9
	Textiles	0,34	110,7	117,9	118,4	0,4	7,0
	Clothing	3,16	116,3	123,2	123,7	0,4	6,4
	Footwear	0,46	110,2	118,5	122,1	3,0	10,8
Wood and paper products		10,31	117,1	125,3	125,9	0,5	7,5
	Paper and printed products	9,98	117,4	125,7	126,3	0,5	7,6
	Other wood products	0,33	107,9	113,3	113,3	0,0	5,0
Coke, petroleum, chemical, rubber and plastic products		20,60	100,5	109,1	108,1	-0,9	7,6
	Coal and petroleum products	10,73	82,0	91,3	89,1	-2,4	8,7
	Petrol	5,51	76,3	92,4	92,3	-0,1	21,0
	Diesel	3,45	80,0	83,5	77,2	-7,5	-3,5
	Other	1,77	102,4	101,7	100,9	-0,8	-1,5
	Chemical products	8,13	114,7	122,8	123,2	0,3	7,4
	Rubber and plastic products	1,74	117,4	121,2	121,2	0,0	3,2
Non-metallic mineral products		3,98	115,8	116,8	119,3	2,1	3,0
Metals, machinery, equipment and computing equipment		14,89	117,1	122,0	124,9	2,4	6,7
	Structural and fabricated metal products	6,91	110,2	113,4	115,2	1,6	4,5
	General and special purpose machinery	6,98	125,0	129,7	133,8	3,2	7,0
	Household appliances and office machinery	1,00	117,5	134,2	136,9	2,0	16,5
Electrical machinery and apparatus and subcomponents		2,01	113,4	115,4	116,6	1,0	2,8
Transport equipment		8,24	117,3	124,0	132,3	6,7	12,8
	Motor vehicles	3,57	113,6	118,1	132,4	12,1	16,5
	Bodies for motor vehicles	0,64	114,1	110,0	117,9	7,2	3,3
	Parts and accessories for motor vehicles and their engines	4,03	122,7	133,7	136,5	2,1	11,2
Furniture and other manufacturing		2,09	114,2	120,2	122,8	2,2	7,5

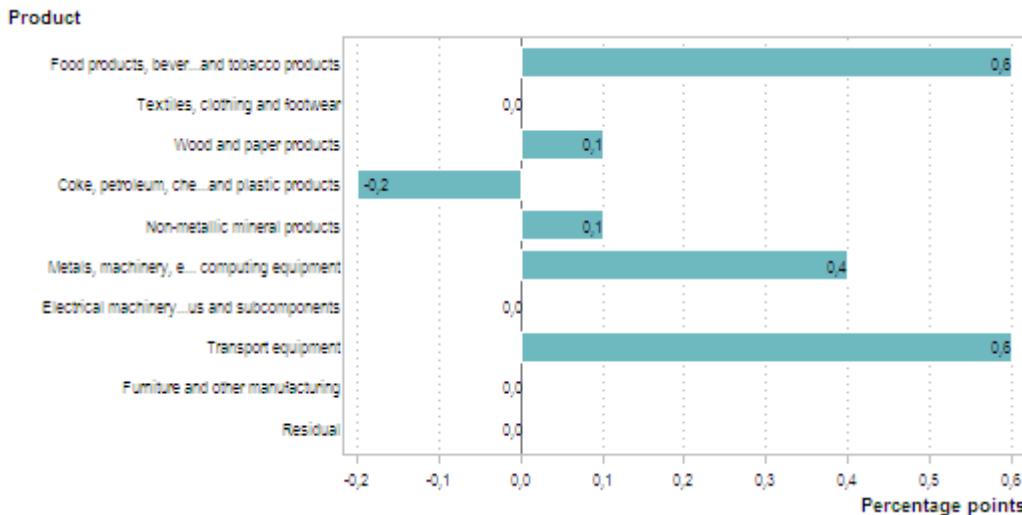
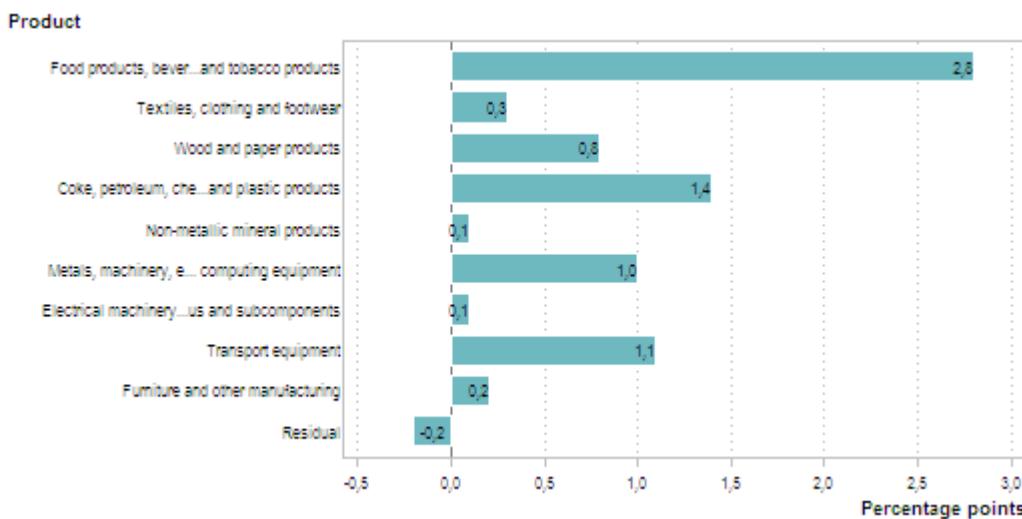
Figure 1.1 - Contributions to the monthly percentage change in PPI for final manufactured goods**Figure 1.2 - Contributions to the annual percentage change in PPI for final manufactured goods**

Table 2 - PPI for intermediate manufactured goods

	Product	Weight	Index (2012=100)			Percentage change	
			Jan 2015	Dec 2015	Jan 2016	Jan 2016 vs. Dec 2015	Jan 2016 vs. Jan 2015
Intermediate manufactured goods		100,00	117,0	119,1	121,4	1,9	3,8
	Textiles and leather goods	9,39	127,1	139,3	140,0	0,5	10,1
	Sawmilling and wood	21,14	113,3	120,4	122,5	1,7	8,1
	Chemicals, rubber and plastic products	31,18	116,9	118,9	119,9	0,8	2,6
	Basic and other chemicals	8,19	107,9	108,8	109,7	0,8	1,7
	Plastic products	20,13	119,0	121,8	123,1	1,1	3,4
	Rubber products	2,86	130,3	129,6	129,4	-0,2	-0,7
	Glass and glass products	4,01	118,3	119,4	122,8	2,8	3,8
	Basic and fabricated metals	30,82	115,8	114,6	118,0	3,0	1,9
	Basic iron and steel	15,82	118,8	111,7	110,9	-0,7	-6,6
	Basic precious and non-ferrous metals and castings	15,00	115,2	120,1	128,1	6,7	11,2
	Recycling and manufacturing n.e.c.	3,46	105,1	82,8	90,8	9,7	-13,6

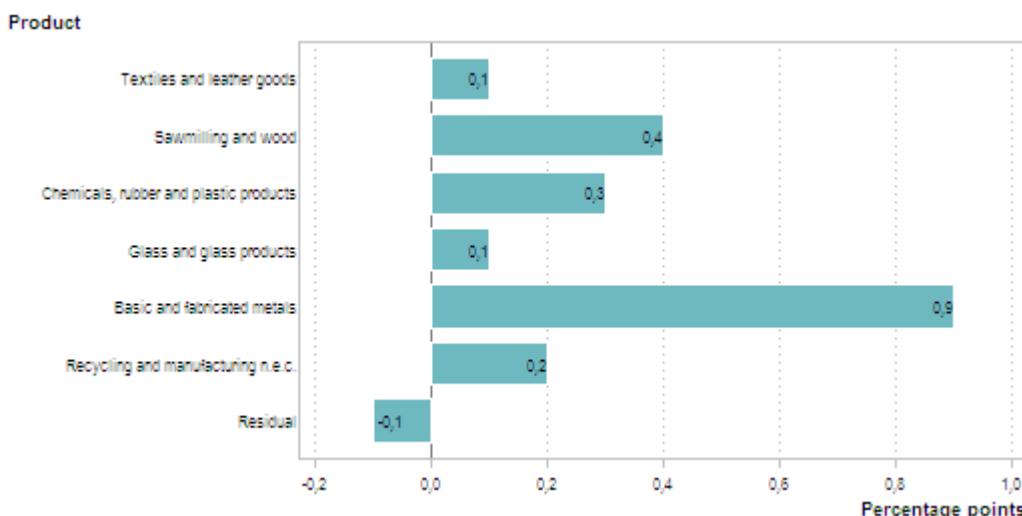
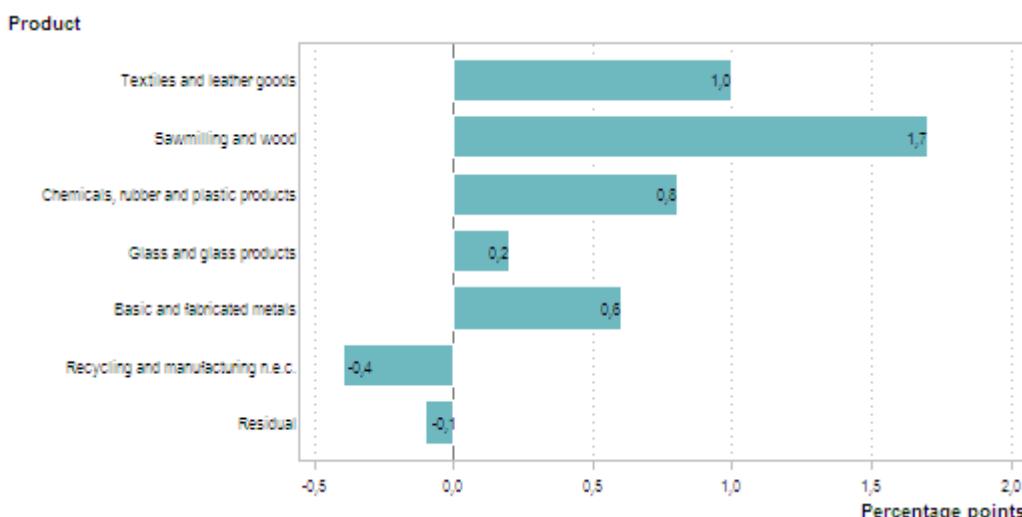
Figure 2.1 - Contributions to the monthly percentage change in PPI for intermediate manufactured goods**Figure 2.2 - Contributions to the annual percentage change in PPI for intermediate manufactured goods**

Table 3 - PPI for electricity and water

Product	Weight	Index (2012=100)			Percentage change	
		Jan 2015	Dec 2015	Jan 2016	Jan 2016 vs. Dec 2015	Jan 2016 vs. Jan 2015
Electricity and water	100,00	114,7	129,0	128,0	-0,8	11,6
	Electricity	85,11	113,7	128,0	126,8	-0,9
	Water	14,89	122,4	136,2	136,2	0,0

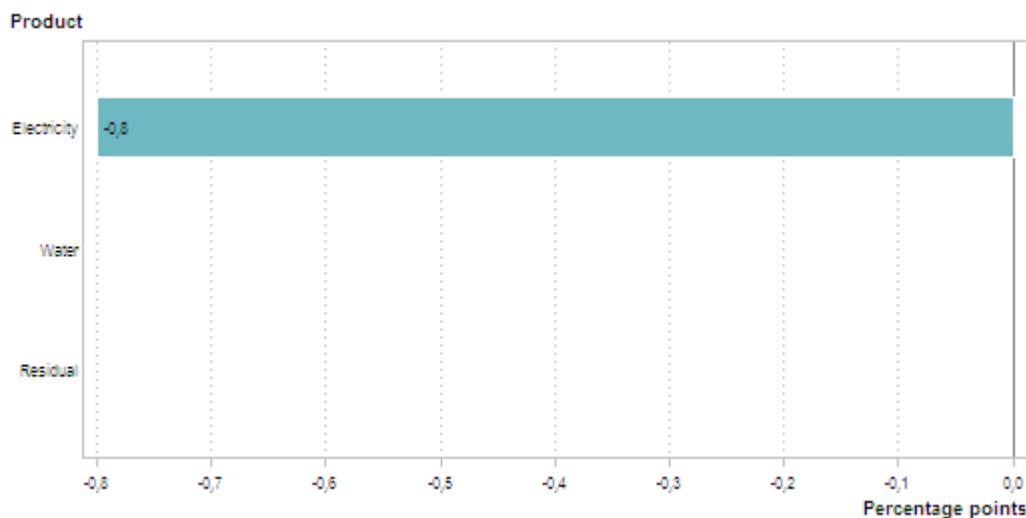
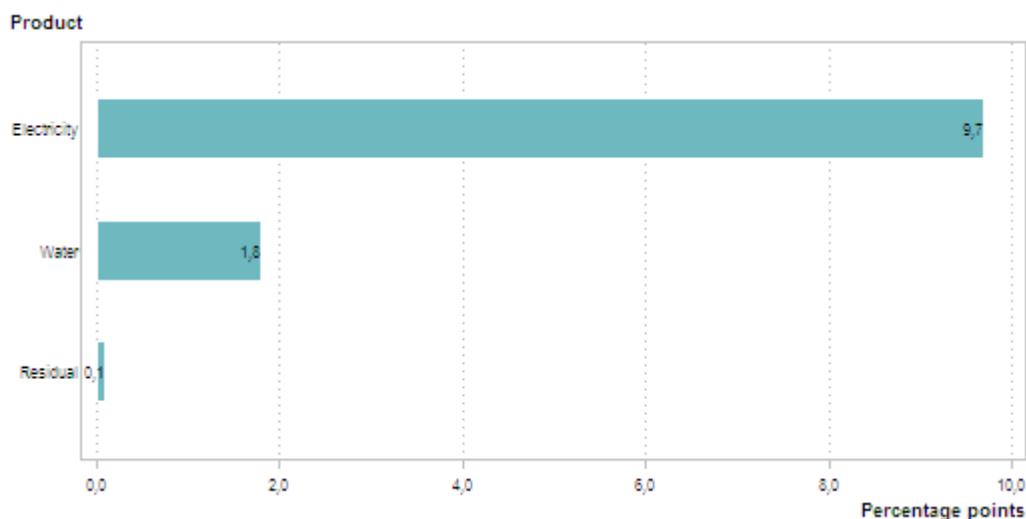
Figure 3.1 - Contributions to the monthly percentage change in PPI for electricity and water**Figure 3.2 - Contributions to the annual percentage change in PPI for electricity and water**

Table 4 - PPI for mining

Product	Weight	Index (2012=100)			Percentage change	
		Jan 2015	Dec 2015	Jan 2016	Jan 2016 vs. Dec 2015	Jan 2016 vs. Jan 2015
Mining	100,00	108,3	106,3	111,0	4,4	2,5
	Coal and gas	25,97	104,5	106,4	107,2	0,8
	Gold and other metal ores	33,83	98,7	98,2	104,9	6,8
	Non-ferrous metal ores	32,70	116,9	99,7	103,0	3,3
	Stone quarrying, clay and diamonds	7,50	102,3	146,5	160,1	9,3
						56,5

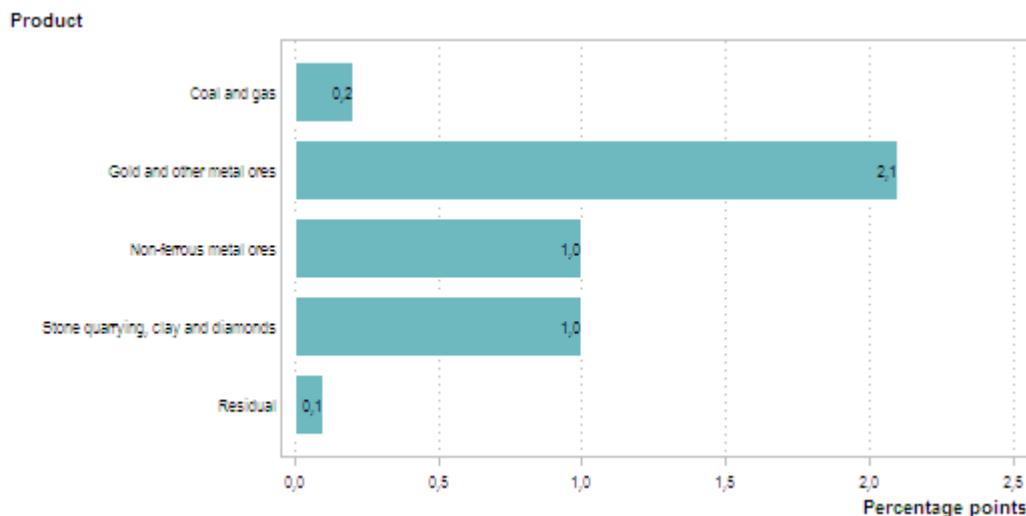
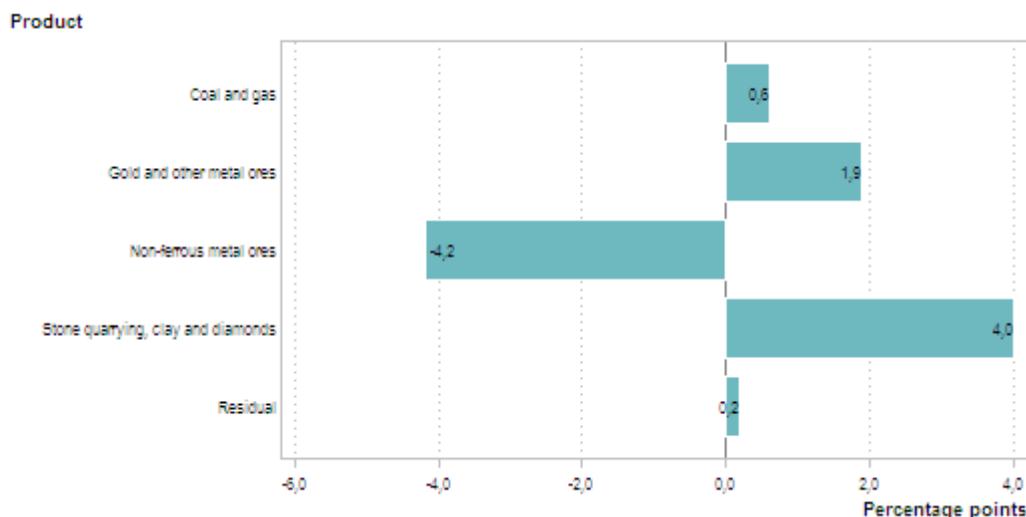
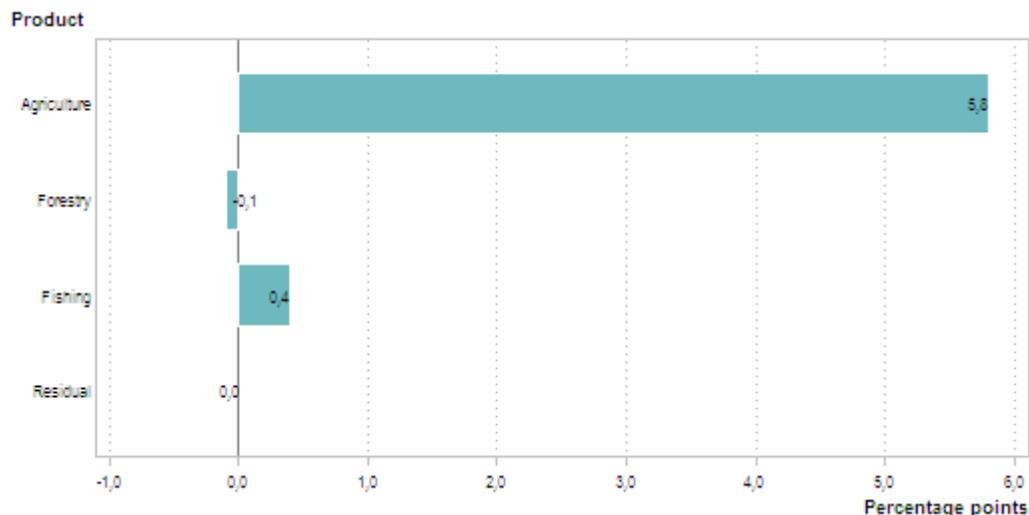
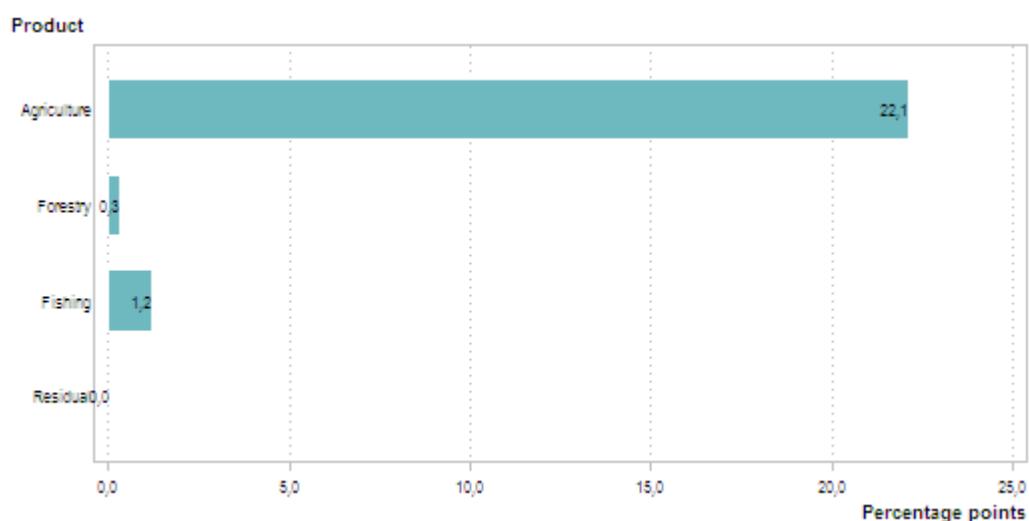
Figure 4.1 - Contributions to the monthly percentage change in PPI for mining**Figure 4.2 - Contributions to the annual percentage change in PPI for mining**

Table 5 - PPI for agriculture, forestry and fishing

Product	Weight	Index (2012=100)			Percentage change	
		Jan 2015	Dec 2015	Jan 2016	Jan 2016 vs. Dec 2015	Jan 2016 vs. Jan 2015
Agriculture, forestry and fishing	100,00	108,1	125,9	133,6	6,1	23,6
Agriculture	85,48	107,7	127,1	135,6	6,7	25,9
Products of crops and horticulture	44,22	106,1	140,3	157,6	12,3	48,5
Cereals and other crops	20,93	101,3	156,6	181,5	15,9	79,2
Fruit and vegetables	23,29	110,3	126,3	136,4	8,0	23,7
Live animals and animal products	41,26	109,9	113,2	112,4	-0,7	2,3
Live animals	29,97	105,2	108,6	106,3	-2,1	1,0
Milk and eggs	9,96	123,5	122,5	122,8	0,2	-0,6
Other animal products	1,33	110,1	140,2	162,8	16,1	47,9
Forestry	9,96	105,0	109,0	107,9	-1,0	2,8
Fishing	4,56	134,3	152,6	163,1	6,9	21,4

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

Purpose and results of the survey	<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

Producer Price Index	The PPI is defined as “ <i>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).</i> ”
Contributions	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).
Annual inflation rate	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.
Annual percentage change	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.
Average annual inflation rate	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.
Average annual percentage change	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.
Monthly percentage change	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.
Chain linking	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).

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Forthcoming issue	Issue	Expected release date
	February 2016	31 March 2016
	March 2016	28 April 2016
	April 2016	26 May 2016

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