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Statistical release

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Producer Price Index (PPI)

December 2013

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Key findings for December 2013

Final manufactured goods – headline PPI

The annual percentage change in the PPI for final manufactured goods was 6,5% in December 2013 (compared with 5,8% in November 2013). From November 2013 to December 2013 the PPI for final manufactured goods increased by 0,5%.

The main contributors to the annual rate of 6,5% were food products, beverages and tobacco products (5,2% year-on-year and contributing 1,8 percentage points), coke, petroleum, chemical, rubber and plastic products (6,8% year-on-year and contributing 1,2 percentage points), transport equipment (10,5% year-on-year and contributing 1,1 percentage points) and metals, machinery, equipment and computing equipment (6,4% year-on-year and contributing 1,0 percentage point) (see Figure 1.2)

The main contributor to the monthly increase of 0,5% was coke, petroleum, chemical, rubber and plastic products (1,1% month-on-month and contributing 0,2 of a percentage point) (see Figure 1.1).

Intermediate manufactured goods

The annual percentage change in the PPI for intermediate manufactured goods was 8,1% in December 2013 (compared with 7,5% in November 2013). From November 2013 to December 2013 the PPI for intermediate manufactured goods decreased by 0,4%.

The main contributors to the annual rate of 8,1% were chemicals, rubber and plastic products (9,7% year-on-year and contributing 3,9 percentage points), basic and fabricated metals (7,0% year-on-year and contributing 2,0 percentage points) and textiles and leather goods (14,1% year-on-year and contributing 1,2 percentage points) (see Figure 2.2).

The main contributors to the monthly decrease of 0,4% were textiles and leather goods (-3,0% month-on-month and contributing -0,3 of a percentage point) and recycling and manufacturing n.e.c. (-9,4% month-on-month and contributing -0,2 of a percentage point) (see Figure 4.1).

Electricity and water

The annual percentage change in the PPI for electricity and water was 14,3% in December 2013 (compared with 15,8% in November 2013). From November 2013 to December 2013 the PPI for electricity and water decreased by 1,7%.

The contributors to the annual rate of 14,3% were electricity (15,0% year-on-year and contributing 12,3 percentage points) and water (10,5% year-on-year and contributing 1,9 percentage points) (see Figure 3.2).

The monthly decrease of 1,7% was the result of electricity (-2,1% month-on-month and contributing -1,7 percentage points).

Mining

The annual percentage change in the PPI for mining was 2,4% in December 2013 (compared with 1,4% in November 2013). From November 2013 to December 2013 the PPI for mining decreased by 0,8%.

The main contributors to the annual rate of 2,4% were non-ferrous metal ores (4,7% year-on-year and contributing 2,2 percentage points) and coal and gas (8,5% year-on-year and contributing 2,1 percentage points) (see Figure 4.2).

The main contributors to the monthly decrease of 0,8% were stone quarrying, clay and diamonds (-8,9% month-on-month and contributing -0,5 of a percentage point) and gold and other metal ores (-1,9% month-on-month and contributing -0,4 of a percentage point) (see Figure 4.1).

Agriculture, forestry and fishing

The annual percentage change in the PPI for agriculture, forestry and fishing was 4,1% in December 2013 (compared with 2,8% in November 2013). From November 2013 to December 2013 the PPI for agriculture, forestry and fishing increased by 1,5%.

The main contributor to the annual rate of 4,1% was agriculture (3,9% year-on-year and contributing 3,1 percentage points) (see Figure 5.2).

The main contributor to the monthly increase of 1,5% was agriculture (1,6% month-on-month and contributing 1,2 percentage points) (see Figure 5.1).

Key figures and analytical series

Table A - Key figures

Product	Weight	Index (2012=100)			Percentage change	
		Dec 2012	Nov 2013	Dec 2013	Dec 2013 vs. Nov 2013	Dec 2013 vs. Dec 2012
Final manufactured goods	100,00	102,2	108,3	108,8	0,5	6,5
Intermediate manufactured goods	100,00	102,2	110,9	110,5	-0,4	8,1
Electricity and water	100,00	90,9	105,7	103,9	-1,7	14,3
Mining	100,00	102,6	106,0	105,1	-0,8	2,4
Agriculture, forestry and fishing	100,00	105,8	108,5	110,1	1,5	4,1

Table B - Analytical series

Product	Weight	Index (2012=100)			Percentage change	
		Dec 2012	Nov 2013	Dec 2013	Dec 2013 vs. Nov 2013	Dec 2013 vs. Dec 2012
Final manufactured goods excluding petroleum products	92,72	102,0	108,1	108,5	0,4	6,4
Final manufactured goods excluding food	76,01	101,8	108,2	108,7	0,5	6,8
Intermediate manufactured goods excluding basic metals	88,06	103,1	111,4	110,8	-0,5	7,5
Mining excluding precious metals and stones	54,32	100,9	107,7	109,1	1,3	8,1
Precious metals and stones	45,68	104,5	103,9	100,0	-3,8	-4,3

Note:

The weights for the producer price indices for Final manufactured goods; Intermediate manufactured goods; Electricity and water; Mining; and Agriculture, forestry and fishing will change with effect from the statistical release for January 2014, based on the 2012 estimates of value added data and the 2011 large sample survey of manufacturing. Historical data will not be affected and the base year will be unchanged (2012=100). 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.

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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	100,0
	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	106,0
	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	6,0

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	100,0
	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	107,9
	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	7,9

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	100,0
	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	110,6
	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	10,6

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	100,0
	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	105,3
	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	5,3

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	100,0
	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	102,6
	Rate	3,0	1,2	0,4	1,7	2,9	3,2	1,4	3,5	4,5	1,8	2,8	4,1	2,6

Detailed index numbers and percentage changes, and contributions

Table 1 - PPI for final manufactured goods

Product			Weight	Index (2012=100)			Percentage change	
				Dec 2012	Nov 2013	Dec 2013	Dec 2013 vs. Nov 2013	Dec 2013 vs. Dec 2012
Final manufactured goods			100,00	102,2	108,3	108,8	0,5	6,5
Food products, beverages and tobacco products			33,47	102,9	107,9	108,3	0,4	5,2
Food products	All		24,00	103,4	108,8	109,4	0,6	5,8
	Meat, fish, fruit, vegetables, oils and fats	All	8,16	104,0	109,7	110,8	1,0	6,5
		Meat and meat products	3,69	105,9	108,7	110,8	1,9	4,6
		Fish and fish products	1,49	102,1	120,6	121,1	0,4	18,6
		Fruit and vegetables	2,66	101,7	105,5	105,6	0,1	3,8
		Oils and fats	0,32	110,3	107,0	107,0	0,0	-3,0
	Dairy products		2,81	103,5	109,5	109,7	0,2	6,0
	Grain mill products, starches and starch products and animal feeds	All	3,45	104,7	106,2	106,5	0,3	1,7
		Grain mill products	2,13	104,8	104,7	104,9	0,2	0,1
		Starches, starch products and animal feeds	1,32	104,6	108,6	109,1	0,5	4,3
	Other food products	All	9,58	102,3	108,6	109,0	0,4	6,5
		Bakery products	6,12	104,5	112,7	113,5	0,7	8,6
		Sugar	1,79	99,5	100,5	99,5	-1,0	0,0
		Other food	1,67	96,7	101,2	101,5	0,3	5,0
Beverages			7,70	101,8	106,0	106,0	0,0	4,1
Tobacco products			1,77	101,1	105,4	105,4	0,0	4,3
Textiles, clothing and footwear	All		4,30	101,2	107,8	107,8	0,0	6,5
	Textiles		0,34	103,0	106,0	106,0	0,0	2,9
	Clothing		3,40	100,6	109,1	109,2	0,1	8,5
	Footwear		0,56	104,3	101,5	101,5	0,0	-2,7
Wood and paper products	All		8,23	103,1	109,6	109,8	0,2	6,5
	Paper and printed products		8,04	103,2	109,8	110,0	0,2	6,6
	Other wood products		0,19	101,4	106,4	106,4	0,0	4,9
Coke, petroleum, chemical, rubber and plastic products	All		17,22	102,8	108,6	109,8	1,1	6,8
	Coke and petroleum products	All	7,47	104,0	110,0	112,5	2,3	8,2
		Petrol	2,24	103,7	107,8	110,7	2,7	6,8
		Diesel	2,46	105,3	112,0	114,4	2,1	8,6
		Other	2,77	103,0	109,5	112,0	2,3	8,7
	Chemical products		8,49	101,9	107,7	107,6	-0,1	5,6
	Rubber and plastic products		1,26	100,4	106,7	107,0	0,3	6,6
Non-metallic mineral products			4,09	102,1	108,0	108,2	0,2	6,0
Metals, machinery, equipment and computing equipment	All		15,65	100,6	106,5	107,0	0,5	6,4
	Structural and fabricated metal products		8,04	100,2	101,2	101,3	0,1	1,1
	General and special purpose machinery		6,76	100,9	112,6	113,6	0,9	12,6
	Household appliances and office machinery		0,85	101,5	107,3	107,6	0,3	6,0
Electrical machinery and apparatus and subcomponents			4,62	101,2	108,7	108,7	0,0	7,4
Transport equipment	All		10,55	101,2	111,3	111,8	0,4	10,5
	Motor vehicles		5,76	101,7	108,1	108,1	0,0	6,3
	Bodies for motor vehicles		0,69	103,4	106,3	106,4	0,1	2,9
	Parts and accessories for motor vehicles and their engines		4,10	100,3	116,6	118,0	1,2	17,6
Furniture and other manufacturing			1,87	101,4	104,5	104,5	0,0	3,1

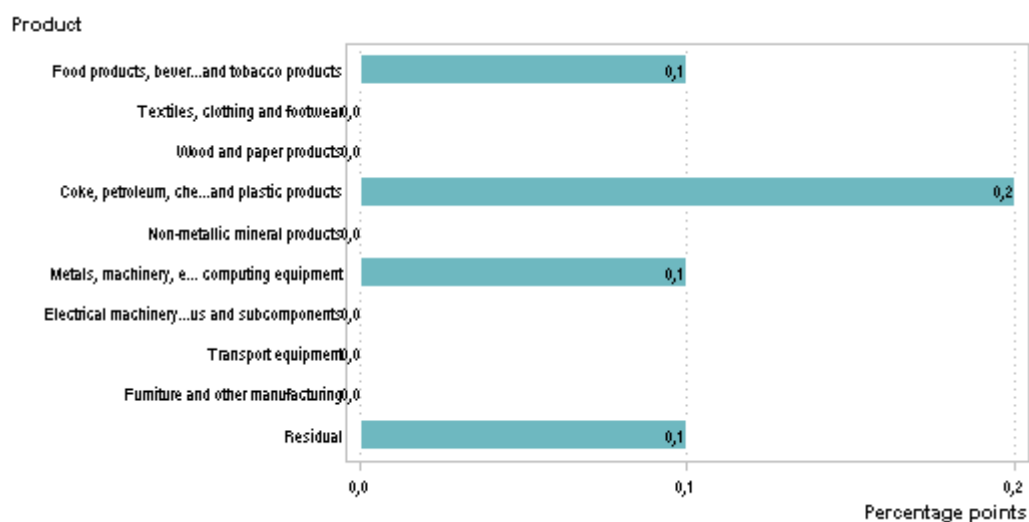
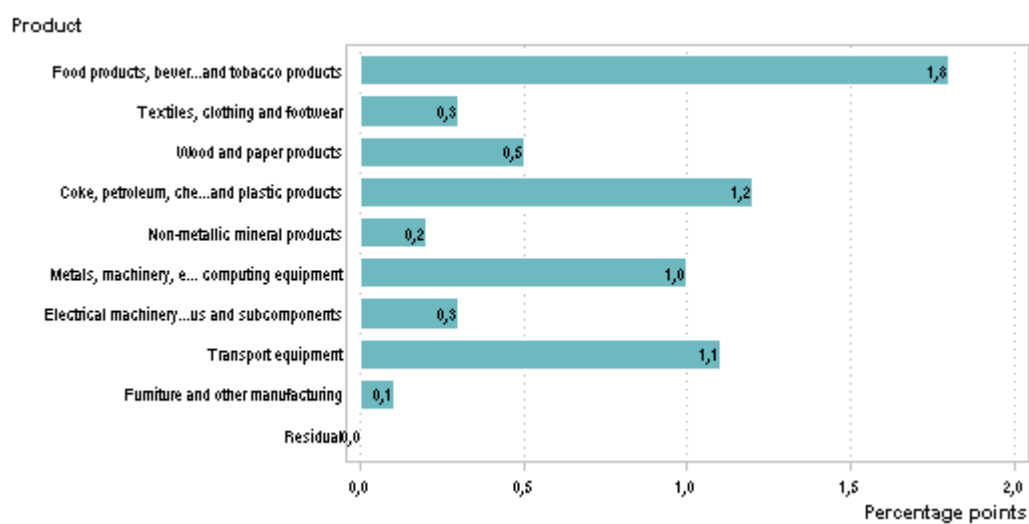
Figure 1.1 - Contributions to the monthly percentage change in PPI for final manufactured goods**Figure 1.2 - Contributions to the annual percentage change in PPI for final manufactured goods**

Table 2 - PPI for intermediate manufactured goods

Product			Weight	Index (2012=100)			Percentage change	
				Dec 2012	Nov 2013	Dec 2013	Dec 2013 vs. Nov 2013	Dec 2013 vs. Dec 2012
Intermediate manufactured goods	All		100,00	102,2	110,9	110,5	-0,4	8,1
	Textiles and leather goods		7,79	108,0	127,0	123,2	-3,0	14,1
	Sawmilling and wood		15,26	103,3	107,5	107,1	-0,4	3,7
	Chemicals, rubber and plastic products	All	40,69	101,4	111,1	111,2	0,1	9,7
		Basic and other chemicals	10,57	102,1	112,8	112,7	-0,1	10,4
		Plastic products	27,97	101,3	109,1	109,2	0,1	7,8
		Rubber products	2,15	99,8	128,3	128,3	0,0	28,6
	Glass and glass products		4,54	100,1	115,2	115,2	0,0	15,1
	Basic and fabricated metals	All	29,31	101,8	108,4	108,9	0,5	7,0
		Basic iron and steel	11,94	98,7	110,5	111,1	0,5	12,6
		Basic precious and non-ferrous metals	17,37	105,8	109,0	109,4	0,4	3,4
	Recycling and manufacturing n.e.c.		2,41	98,3	98,5	89,2	-9,4	-9,3

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

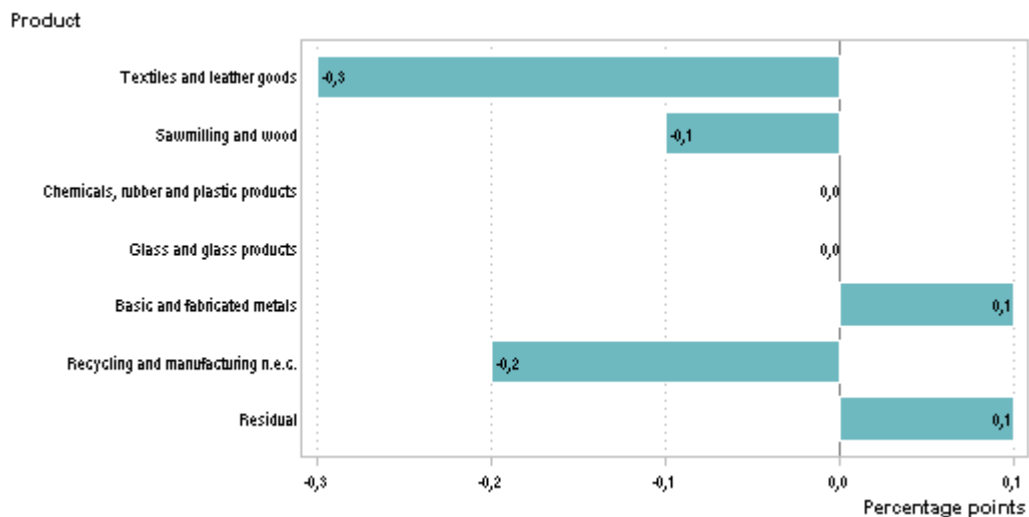


Figure 2.2 - Contributions to the annual percentage change in PPI for intermediate manufactured goods

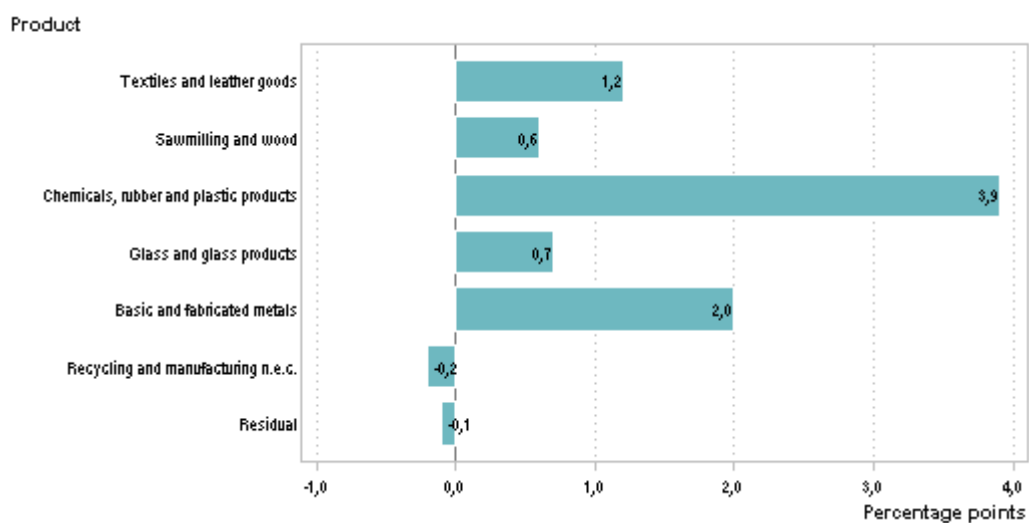


Table 3 - PPI for electricity and water

Product		Weight	Index (2012=100)			Percentage change	
			Dec 2012	Nov 2013	Dec 2013	Dec 2013 vs. Nov 2013	Dec 2013 vs. Dec 2012
Electricity and water	All	100,00	90,9	105,7	103,9	-1,7	14,3
	Electricity	84,06	88,9	104,4	102,2	-2,1	15,0
	Water	15,94	103,5	114,4	114,4	0,0	10,5

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

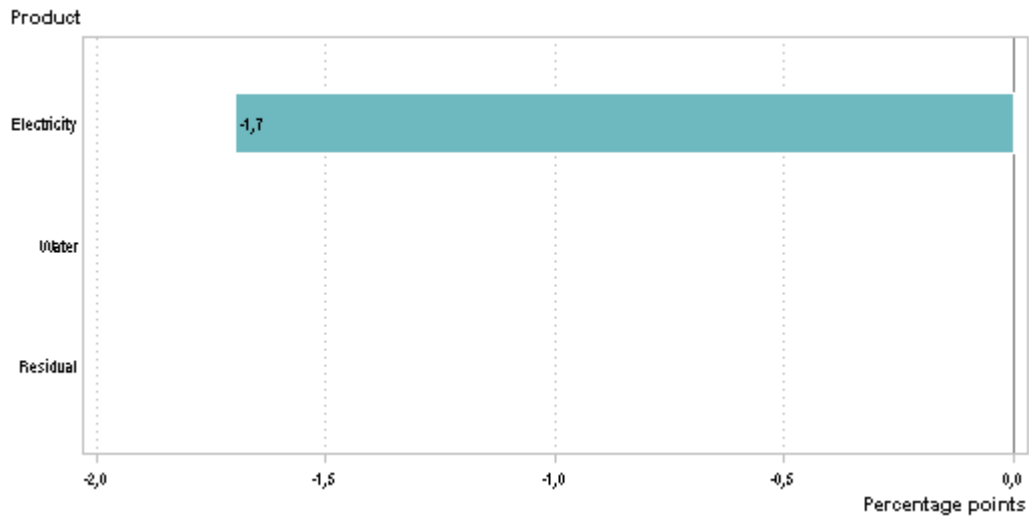


Figure 3.2 - Contributions to the annual percentage change in PPI for electricity and water

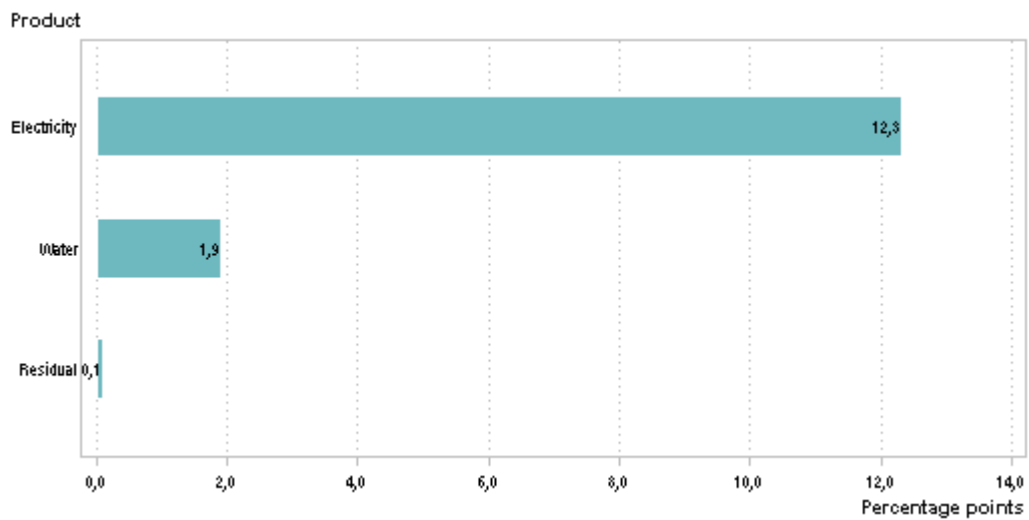


Table 4 - PPI for mining

Product		Weight	Index (2012=100)			Percentage change	
			Dec 2012	Nov 2013	Dec 2013	Dec 2013 vs. Nov 2013	Dec 2013 vs. Dec 2012
Mining	All	100,00	102,6	106,0	105,1	-0,8	2,4
	Coal and gas	24,54	102,0	109,2	110,7	1,4	8,5
	Gold and other metal ores	23,40	102,9	97,1	95,3	-1,9	-7,4
	Non-ferrous metal ores	45,78	103,5	109,1	108,4	-0,6	4,7
	Stone quarrying, clay and diamonds	6,28	97,0	102,8	93,7	-8,9	-3,4

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

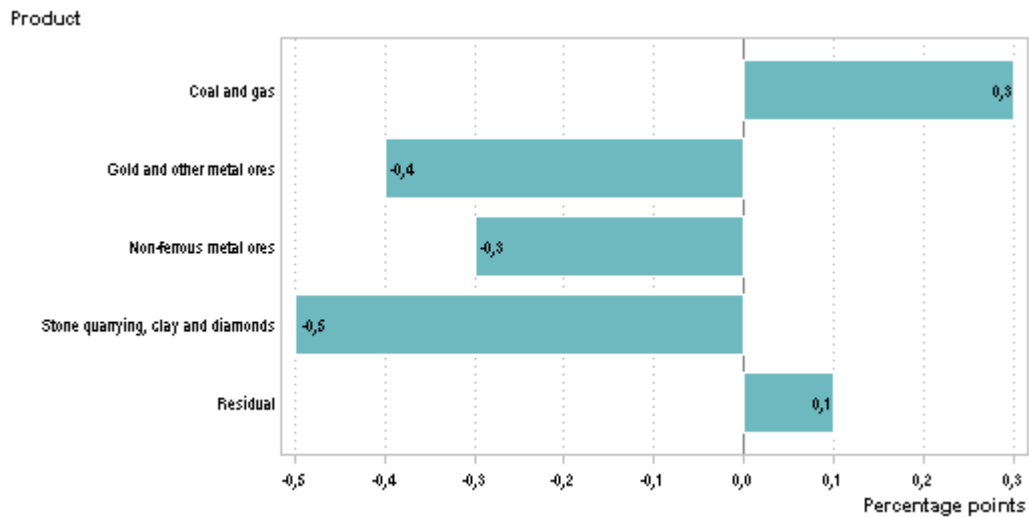


Figure 4.2 - Contributions to the annual percentage change in PPI for mining

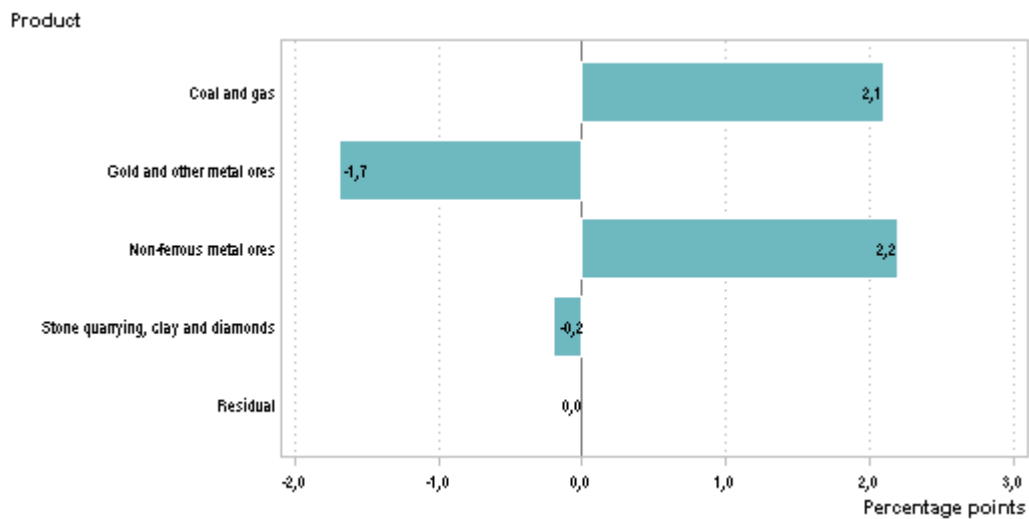


Table 5 - PPI for agriculture, forestry and fishing

Product			Weight	Index (2012=100)			Percentage change	
				Dec 2012	Nov 2013	Dec 2013	Dec 2013 vs. Nov 2013	Dec 2013 vs. Dec 2012
Agriculture, forestry and fishing			100,00	105,8	108,5	110,1	1,5	4,1
Agriculture	All		77,07	107,0	109,5	111,2	1,6	3,9
	Products of crops and horticulture	All	38,97	112,2	118,5	122,8	3,6	9,4
		Cereals and other crops	18,73	99,7	106,5	111,6	4,8	11,9
		Fruit and vegetables	20,24	123,0	128,8	132,5	2,9	7,7
	Live animals and animal products	All	38,10	101,9	100,6	99,6	-1,0	-2,3
		Live animals	27,69	100,0	96,3	94,6	-1,8	-5,4
		Milk and eggs	9,21	106,9	111,5	112,1	0,5	4,9
		Other animal products	1,20	107,3	115,2	115,6	0,3	7,7
Forestry			18,76	100,4	102,3	102,3	0,0	1,9
Fishing			4,17	104,1	114,5	120,4	5,2	15,7

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

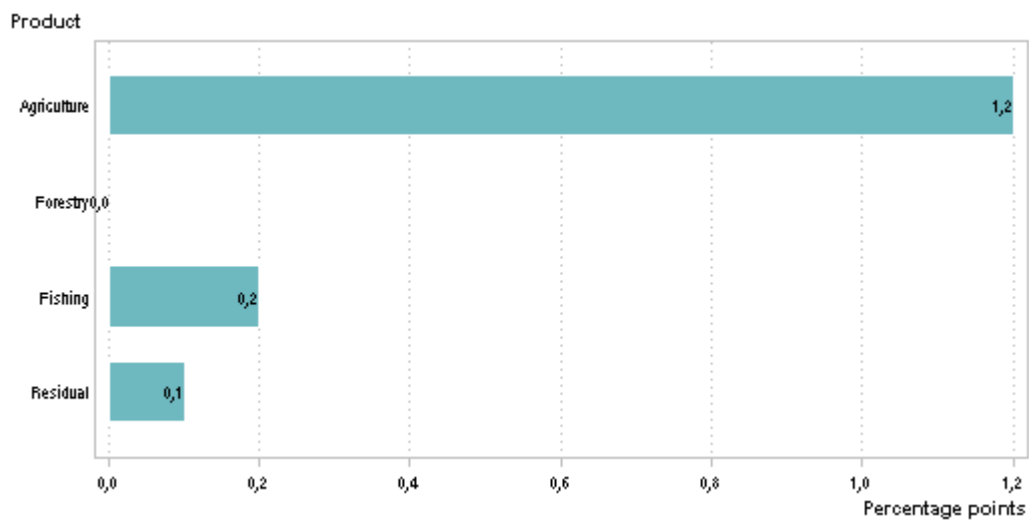
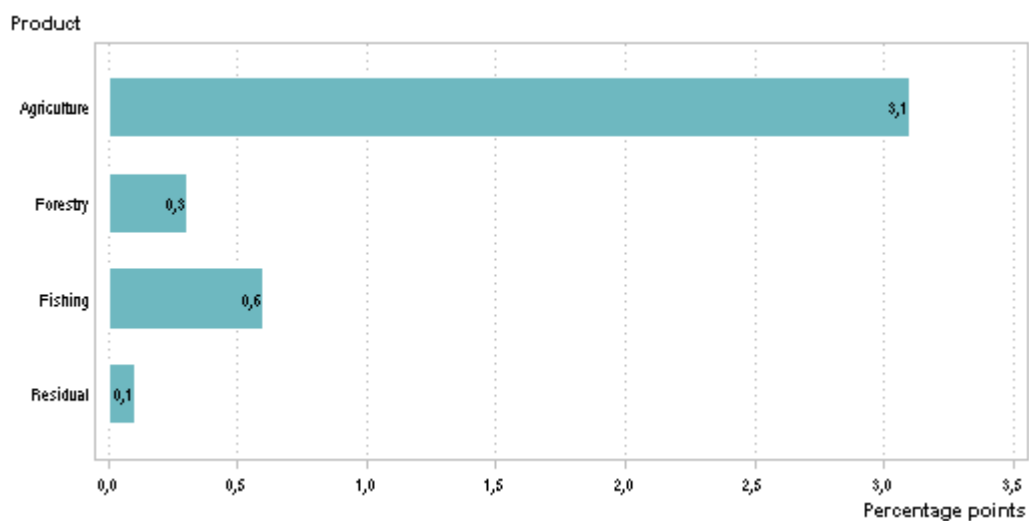


Figure 5.2 - Contributions to the annual percentage change in PPI for agriculture, forestry and fishing



Explanatory notes

Purpose and results of the survey	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. 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.
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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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