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# Statistical release

## P0142.1

### Producer Price Index (PPI)

**April 2013**

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**Enquiries:**

Marais Kleu  
(012) 310 8170

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## Key findings for April 2013

### Final manufactured goods – headline PPI

The annual percentage change in the PPI for final manufactured goods was 5,4% in April 2013 (compared with 5,7% in March 2013). From March 2013 to April 2013 the PPI for final manufactured goods increased by 0,4%.

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

The main contributors to the monthly increase of 0,4% were food products, beverages and tobacco products (0,7% month-on-month and contributing 0,2 of a percentage point) and metals, machinery, equipment and computing equipment (1,0% 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 7,2% in April 2013 (compared with 7,7% in March 2013). From March 2013 to April 2013 the PPI for intermediate manufactured goods increased by 0,3%.

The main contributors to the annual rate of 7,2% were chemicals, rubber and plastic products (6,7% year-on-year and contributing 2,7 percentage points) and basic and fabricated metals (5,2% year-on-year and contributing 1,5 percentage points) (see Figure 2.2).

The main contributors to the monthly increase of 0,3% were chemicals, rubber and plastic products (1,0% month-on-month and contributing 0,4 of a percentage point) and textile and leather goods (3,3% month-on-month and contributing 0,3 of a percentage point) (see Figure 2.1).

### Electricity and water

The annual percentage change in the PPI for electricity and water was 12,9% in April 2013 (compared with 11,4% in March 2013). From March 2013 to April 2013 the PPI for electricity and water increased by 7,0%.

The contributors to the annual rate of 12,9% were electricity (13,2% year-on-year and contributing 10,9 percentage points) and water (11,5% year-on-year and contributing 2,1 percentage points) (see Figure 3.2).

The contributors to the monthly increase of 7,0% were electricity (7,4% month-on-month and contributing 6,1 percentage points) and water (5,1% month-on-month and contributing 0,9 of a percentage point) (see Figure 3.1).

### Mining

The annual percentage change in the PPI for mining was 4,5% in April 2013 (compared with 8,6% in March 2013). From March 2013 to April 2013 the PPI for mining decreased by 3,5%.

The main contributor to the annual rate of 4,5% was non-ferrous metal ores (7,3% year-on-year and contributing 3,3 percentage points) (see Figure 4.2).

The main contributors to the monthly rate of -3,5% were gold and other metal ores (-6,8% month-on-month and contributing -1,6 percentage points) and non-ferrous metal ores (-3,4% month-on-month and contributing -1,6 percentage points) (see Figure 4.1).

### Agriculture, forestry and fishing

The annual percentage change in the PPI for agriculture, forestry and fishing was 1,7% in April 2013 (compared with 0,4% in March 2013). From March 2013 to April 2013 the PPI for agriculture, forestry and fishing increased by 0,1%.

The main contributor to the annual rate of 1,7% was agriculture (1,3% year-on-year and contributing 1,0 percentage point) (see Figure 5.2).

The main contributor to the monthly rate of 0,1% was forestry (0,6% month-on-month and contributing 0,1 of a percentage point) (see Figure 5.1).

## Key figures and analytical series

**Table A - Key figures**

Product	Weight	Index (2012=100)			Percentage change	
		Apr 2012	Mar 2013	Apr 2013	Apr 2013 vs. Mar 2013	Apr 2013 vs. Apr 2012
Final manufactured goods	100,00	99,2	104,2	104,6	0,4	5,4
Intermediate manufactured goods	100,00	98,6	105,4	105,7	0,3	7,2
Electricity and water	100,00	86,7	91,5	97,9	7,0	12,9
Mining	100,00	98,7	106,8	103,1	-3,5	4,5
Agriculture, forestry and fishing	100,00	98,0	99,6	99,7	0,1	1,7

**Table B - Analytical series**

Product	Weight	Index (2012=100)			Percentage change	
		Apr 2012	Mar 2013	Apr 2013	Apr 2013 vs. Mar 2013	Apr 2013 vs. Apr 2012
Final manufactured goods excluding petroleum products	92,72	99,1	103,7	104,5	0,8	5,4
Final manufactured goods excluding food	76,01	99,4	104,3	104,7	0,4	5,3
Intermediate manufactured goods excluding basic metals	88,06	98,1	105,8	105,7	-0,1	7,7
Mining excluding precious metals and stones	54,32	99,9	105,4	105,1	-0,3	5,2
Precious metals and stones	45,68	97,4	108,4	100,5	-7,3	3,2

### Note:

The PPI and the relevant statistical releases changed significantly in January 2013. These changes can be summarised as follows:

- The PPI for domestic output was replaced with five stages-of-production PPIs, which are published in statistical release P0142.1;
- The weights for the stages-of-production PPIs changed, and the product classification is based on the latest Central Product Classification (CPC version 2);
- The base year changed from 2000 to 2012 (2012=100);
- The PPIs for export and import goods are published in a new statistical release P0142.6 (Export and Import Price Indices);
- The PPIs for selected materials (Tables 11 and 12 in the previous PPI releases) are continued in statistical release P0151 (CPAP Work Groups and Selected Materials Indices, Tables 3 and 4) and are rebased to 2012=100.

**P J Lehoula**  
**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	..	..	..	..	..	..	..	..	..
	Rate	5,8	5,4	5,7	5,4	..	..	..	..	..	..	..	..	..

**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	..	..	..	..	..	..	..	..	..
	Rate	5,8	6,0	7,7	7,2	..	..	..	..	..	..	..	..	..

**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	..	..	..	..	..	..	..	..	..
	Rate	12,3	13,0	11,4	12,9	..	..	..	..	..	..	..	..	..

**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	..	..	..	..	..	..	..	..	..
	Rate	7,2	6,6	8,6	4,5	..	..	..	..	..	..	..	..	..

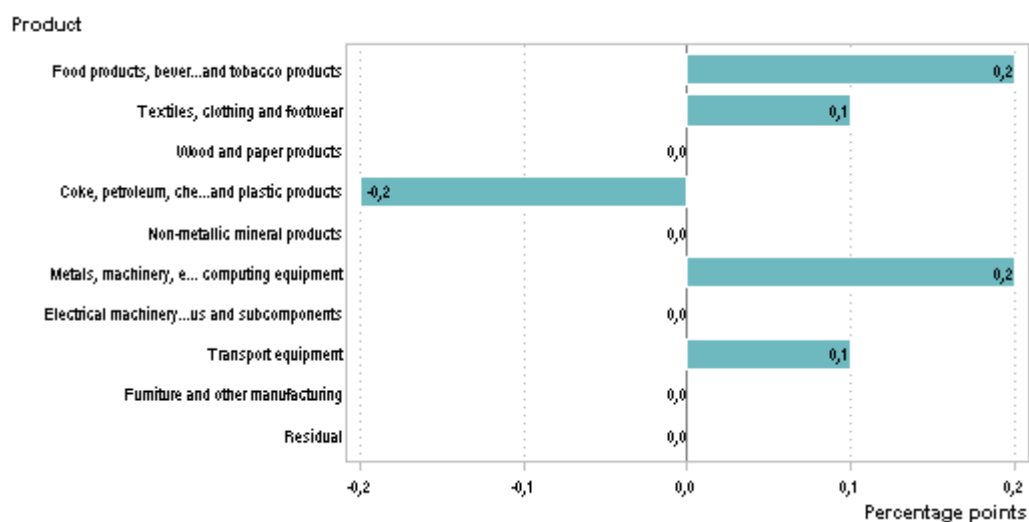
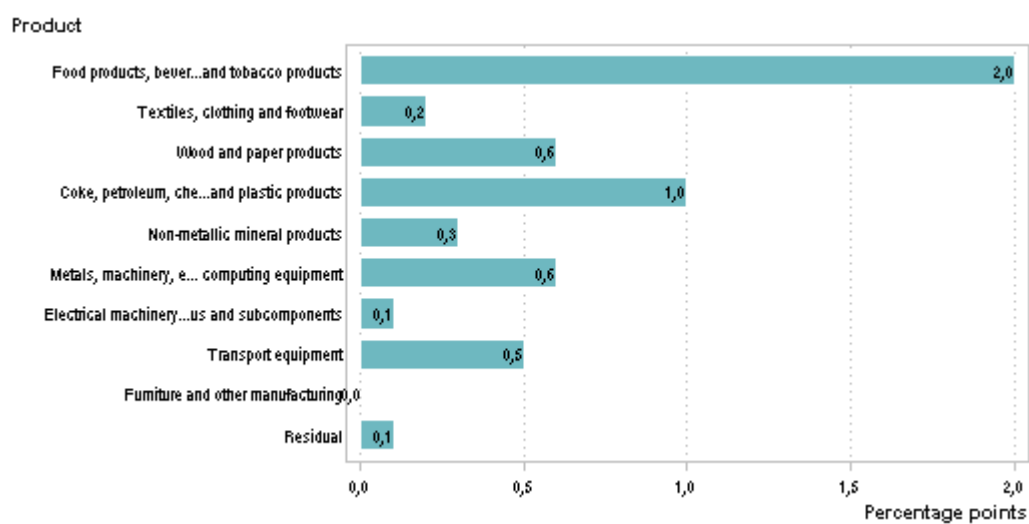
**Table C5 - Agriculture, forestry and fishing**

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	100,0
	Rate	..	..	..	..	..	..	..	..	..	..	..	..	..
2013	Index	104,3	100,8	99,6	99,7	..	..	..	..	..	..	..	..	..
	Rate	3,0	1,2	0,4	1,7	..	..	..	..	..	..	..	..	..

## Detailed index numbers and percentage changes, and contributions

**Table 1 - PPI for final manufactured goods**

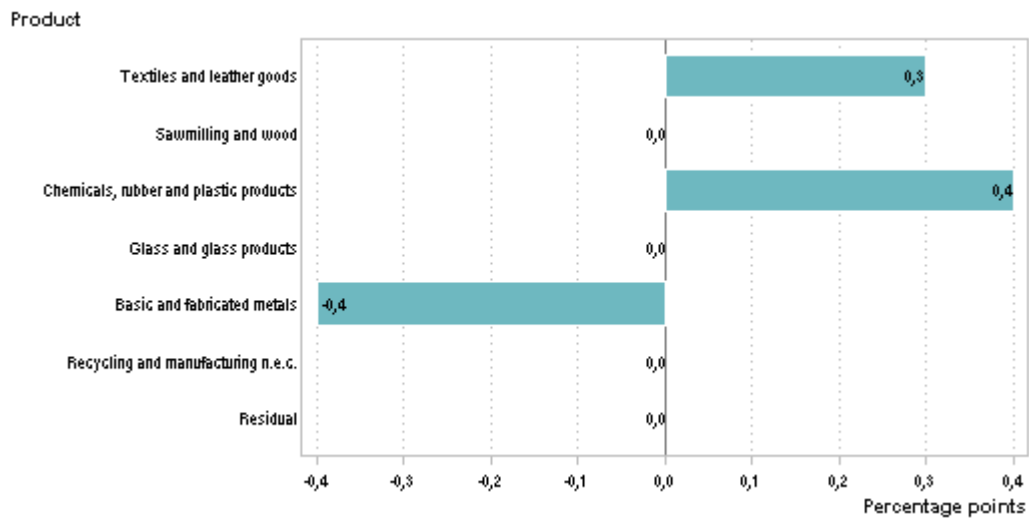
Product			Weight	Index (2012=100)			Percentage change	
				Apr 2012	Mar 2013	Apr 2013	Apr 2013 vs. Mar 2013	Apr 2013 vs. Apr 2012
<b>Final manufactured goods</b>			100,00	99,2	104,2	104,6	0,4	5,4
<b>Food products, beverages and tobacco products</b>			33,47	98,9	104,2	104,9	0,7	6,1
<b>Food products</b>	<b>All</b>		24,00	98,5	104,1	104,9	0,8	6,5
	<b>Meat, fish, fruit, vegetables, oils and fats</b>	<b>All</b>	8,16	98,1	103,1	104,0	0,9	6,0
		<b>Meat and meat products</b>	3,69	96,2	103,7	104,0	0,3	8,1
		<b>Fish and fish products</b>	1,49	100,6	103,6	106,0	2,3	5,4
		<b>Fruit and vegetables</b>	2,66	100,0	101,6	102,7	1,1	2,7
		<b>Oils and fats</b>	0,32	91,6	107,2	106,6	-0,6	16,4
	<b>Dairy products</b>		2,81	101,0	104,9	106,1	1,1	5,0
	<b>Grain mill products, starches and starch products and animal feeds</b>	<b>All</b>	3,45	98,6	104,7	104,0	-0,7	5,5
		<b>Grain mill products</b>	2,13	98,4	103,1	102,1	-1,0	3,8
		<b>Starches, starch products and animal feeds</b>	1,32	98,9	107,2	107,2	0,0	8,4
	<b>Other food products</b>	<b>All</b>	9,58	98,0	104,4	105,4	1,0	7,6
		<b>Bakery products</b>	6,12	96,7	106,6	109,1	2,3	12,8
		<b>Sugar</b>	1,79	99,5	102,2	98,7	-3,4	-0,8
		<b>Other food</b>	1,67	101,8	97,7	98,0	0,3	-3,7
<b>Beverages</b>			7,70	100,1	104,6	105,3	0,7	5,2
<b>Tobacco products</b>			1,77	99,4	104,8	104,8	0,0	5,4
<b>Textiles, clothing and footwear</b>	<b>All</b>		4,30	99,9	101,7	104,2	2,5	4,3
	<b>Textiles</b>		0,34	99,5	104,2	104,5	0,3	5,0
	<b>Clothing</b>		3,40	99,7	101,7	103,9	2,2	4,2
	<b>Footwear</b>		0,56	101,0	101,0	106,5	5,4	5,4
<b>Wood and paper products</b>	<b>All</b>		8,23	98,4	105,4	105,7	0,3	7,4
	<b>Paper and printed products</b>		8,04	98,3	105,6	105,8	0,2	7,6
	<b>Other wood products</b>		0,19	98,6	101,8	104,1	2,3	5,6
<b>Coke, petroleum, chemical, rubber and plastic products</b>	<b>All</b>		17,22	99,5	106,6	105,3	-1,2	5,8
	<b>Coke and petroleum products</b>	<b>All</b>	7,47	100,5	110,4	106,8	-3,3	6,3
		<b>Petrol</b>	2,24	103,4	113,2	106,5	-5,9	3,0
		<b>Diesel</b>	2,46	102,4	111,0	106,0	-4,5	3,5
		<b>Other</b>	2,77	96,5	107,3	107,5	0,2	11,4
	<b>Chemical products</b>		8,49	98,7	103,8	104,5	0,7	5,9
	<b>Rubber and plastic products</b>		1,26	98,4	102,0	102,0	0,0	3,7
<b>Non-metallic mineral products</b>			4,09	98,8	104,9	105,4	0,5	6,7
<b>Metals, machinery, equipment and computing equipment</b>	<b>All</b>		15,65	99,7	102,7	103,7	1,0	4,0
	<b>Structural and fabricated metal products</b>		8,04	99,7	100,7	101,4	0,7	1,7
	<b>General and special purpose machinery</b>		6,76	99,6	104,8	106,3	1,4	6,7
	<b>Household appliances and office machinery</b>		0,85	100,2	104,4	104,9	0,5	4,7
<b>Electrical machinery and apparatus and subcomponents</b>			4,62	99,7	102,3	102,6	0,3	2,9
<b>Transport equipment</b>	<b>All</b>		10,55	99,3	103,3	104,4	1,1	5,1
	<b>Motor vehicles</b>		5,76	98,4	103,5	104,3	0,8	6,0
	<b>Bodies for motor vehicles</b>		0,69	98,8	104,0	104,3	0,3	5,6
	<b>Parts and accessories for motor vehicles and their engines</b>		4,10	100,4	103,0	104,6	1,6	4,2
<b>Furniture and other manufacturing</b>			1,87	99,6	101,9	102,0	0,1	2,4

**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**

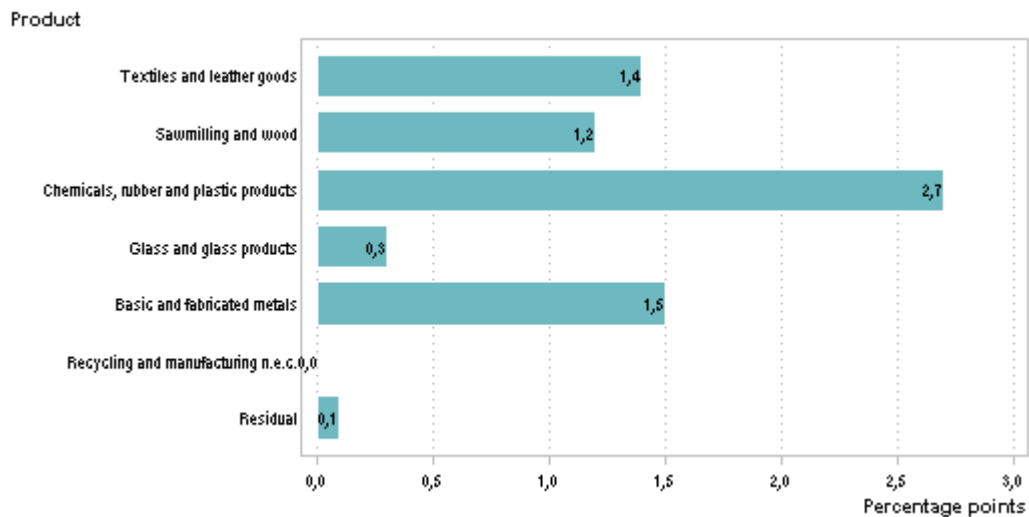
**Table 2 - PPI for intermediate manufactured goods**

Product			Weight	Index (2012=100)			Percentage change	
				Apr 2012	Mar 2013	Apr 2013	Apr 2013 vs. Mar 2013	Apr 2013 vs. Apr 2012
Intermediate manufactured goods	All		100,00	98,6	105,4	105,7	0,3	7,2
	Textiles and leather goods		7,79	97,5	111,6	115,3	3,3	18,3
	Sawmilling and wood		15,26	96,4	103,9	104,1	0,2	8,0
	Chemicals, rubber and plastic products	All	40,69	99,0	104,6	105,6	1,0	6,7
		Basic and other chemicals	10,57	98,4	107,4	108,7	1,2	10,5
		Plastic products	27,97	99,2	103,2	104,1	0,9	4,9
		Rubber products	2,15	99,4	108,3	109,2	0,8	9,9
	Glass and glass products		4,54	97,2	104,6	104,6	0,0	7,6
	Basic and fabricated metals	All	29,31	99,3	105,9	104,5	-1,3	5,2
		Basic iron and steel	11,94	100,5	105,2	108,6	3,2	8,1
		Basic precious and non-ferrous metals	17,37	97,8	108,4	103,8	-4,2	6,1
	Recycling and manufacturing n.e.c.		2,41	100,2	101,1	101,1	0,0	0,9

**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**

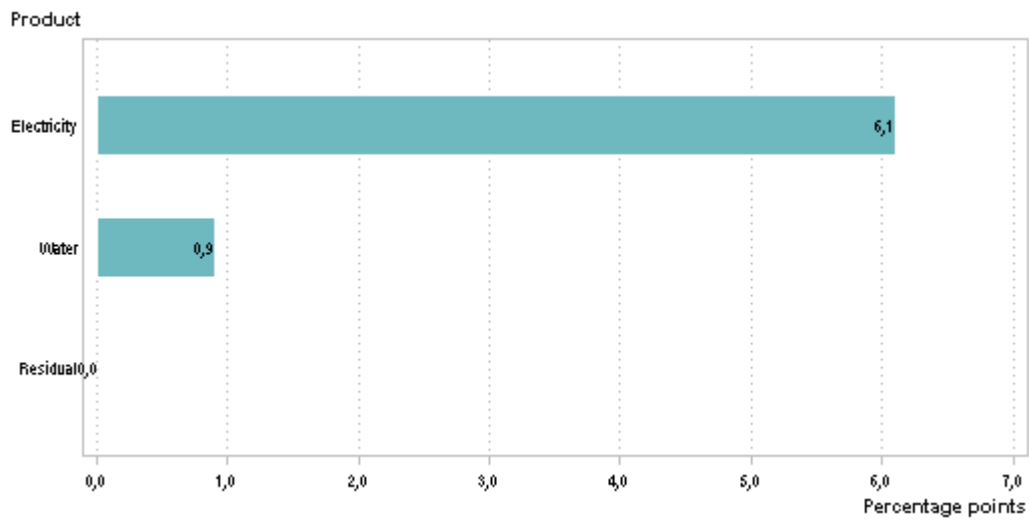




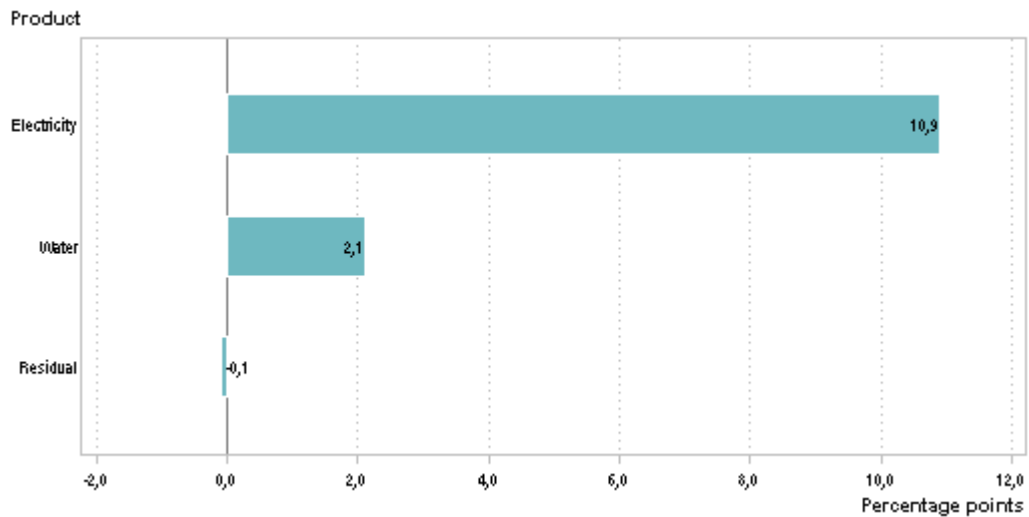
**Table 3 - PPI for electricity and water**

Product		Weight	Index (2012=100)			Percentage change	
			Apr 2012	Mar 2013	Apr 2013	Apr 2013 vs. Mar 2013	Apr 2013 vs. Apr 2012
Electricity and water	All	100,00	86,7	91,5	97,9	7,0	12,9
	Electricity	84,06	85,0	89,6	96,2	7,4	13,2
	Water	15,94	97,6	103,5	108,8	5,1	11,5

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



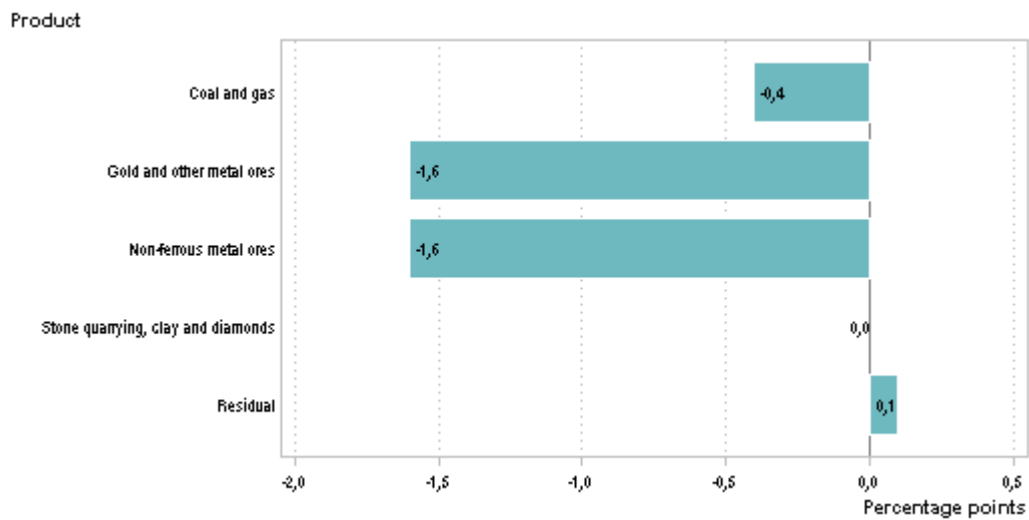
**Figure 3.2 - Contributions to the annual percentage change in PPI for electricity and water**



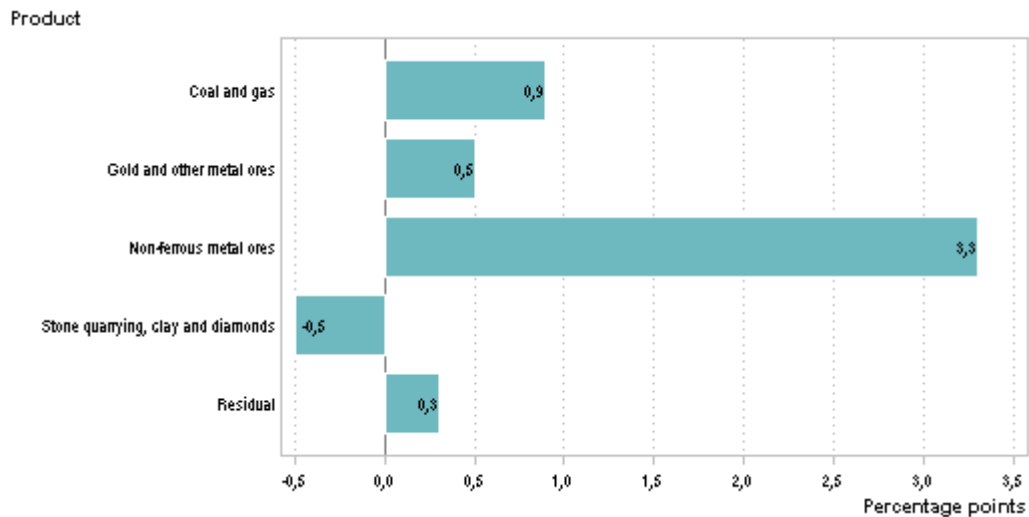
**Table 4 - PPI for mining**

Product		Weight	Index (2012=100)			Percentage change	
			Apr 2012	Mar 2013	Apr 2013	Apr 2013 vs. Mar 2013	Apr 2013 vs. Apr 2012
Mining	All	100,00	98,7	106,8	103,1	-3,5	4,5
	Coal and gas	24,54	99,9	105,2	103,5	-1,6	3,6
	Gold and other metal ores	23,40	96,8	106,0	98,8	-6,8	2,1
	Non-ferrous metal ores	45,78	98,6	109,5	105,8	-3,4	7,3
	Stone quarrying, clay and diamonds	6,28	103,5	95,4	96,0	0,6	-7,2

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



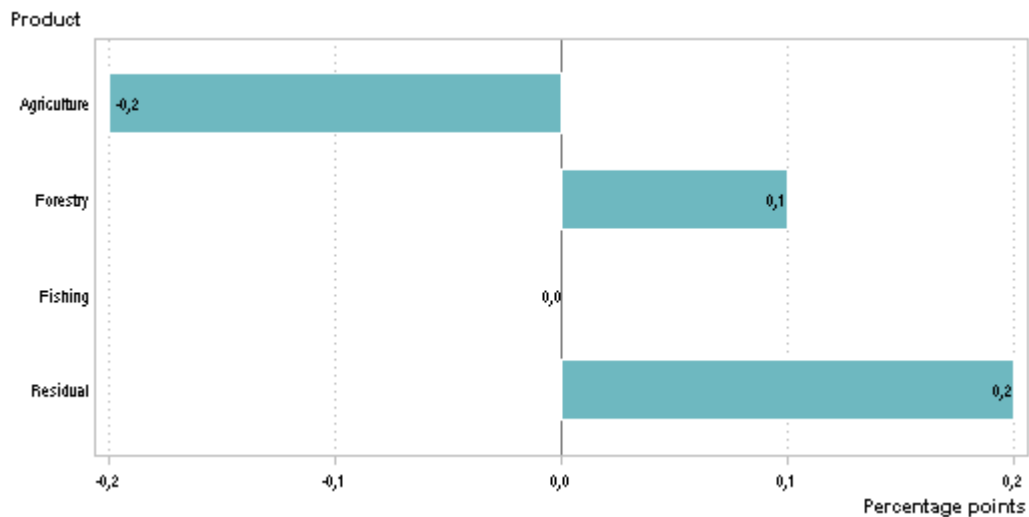
**Figure 4.2 - Contributions to the annual percentage change in PPI for mining**



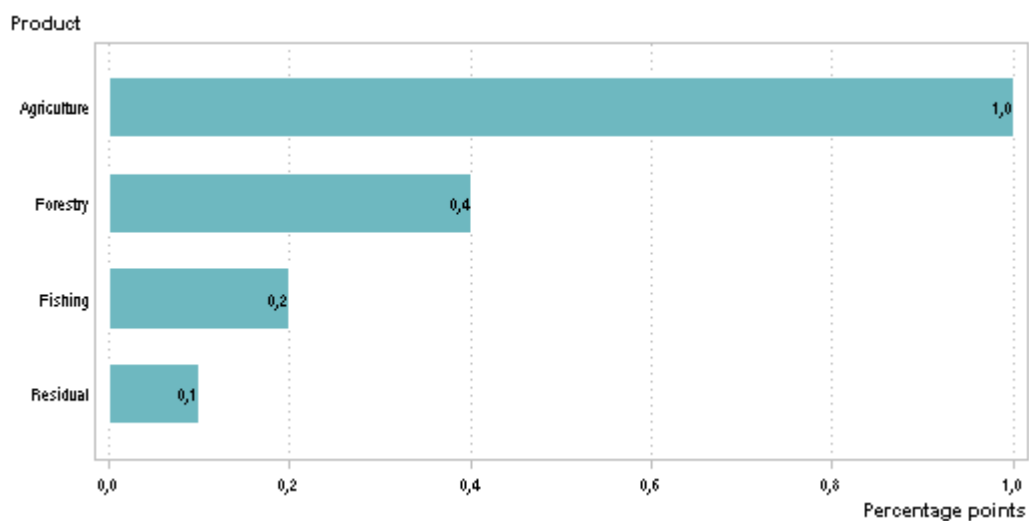
**Table 5 - PPI for agriculture, forestry and fishing**

Product			Weight	Index (2012=100)			Percentage change	
				Apr 2012	Mar 2013	Apr 2013	Apr 2013 vs. Mar 2013	Apr 2013 vs. Apr 2012
Agriculture, forestry and fishing			100,00	98,0	99,6	99,7	0,1	1,7
Agriculture	All		77,07	97,4	98,9	98,7	-0,2	1,3
	Products of crops and horticulture	All	38,97	94,3	105,3	105,2	-0,1	11,6
		Cereals and other crops	18,73	90,5	98,9	97,3	-1,6	7,5
		Fruit and vegetables	20,24	97,5	110,4	111,9	1,4	14,8
	Live animals and animal products	All	38,10	100,6	92,5	92,2	-0,3	-8,3
		Live animals	27,69	100,0	86,9	86,3	-0,7	-13,7
		Milk and eggs	9,21	102,4	106,9	108,4	1,4	5,9
		Other animal products	1,20	99,4	110,5	102,0	-7,7	2,6
Forestry			18,76	100,3	101,7	102,3	0,6	2,0
Fishing			4,17	98,7	101,5	102,6	1,1	4,0

**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

<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. 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

<b>Producer Price Index</b>	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> ”
<b>Contributions</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>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>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>Chain linking</b>	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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<b>Forthcoming issue</b>	<b>Issue</b>	<b>Expected release date</b>
	May 2013	27 June 2013
	June 2013	25 July 2013
	July 2013	29 August 2013

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## Enquiries

Telephone number: (012) 310 8600/8390/8351/4892/8496/8095 (user information services)  
(012) 310 8920/8170 (technical enquiries – Patrick Kelly and Marais Kleu)  
(012) 310 8161 (orders)  
(012) 310 8490 (library)

Fax number: (012) 310 8332 (technical enquiries)

Email address: Patrickke@statssa.gov.za (technical enquiries)  
Maraisk@statssa.gov.za (technical enquiries)  
Info@statssa.gov.za (user information services)  
distribution@statssa.gov.za (orders)

Postal address: Private Bag X44, Pretoria, 0001

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