

5/2017 - 12 January 2017

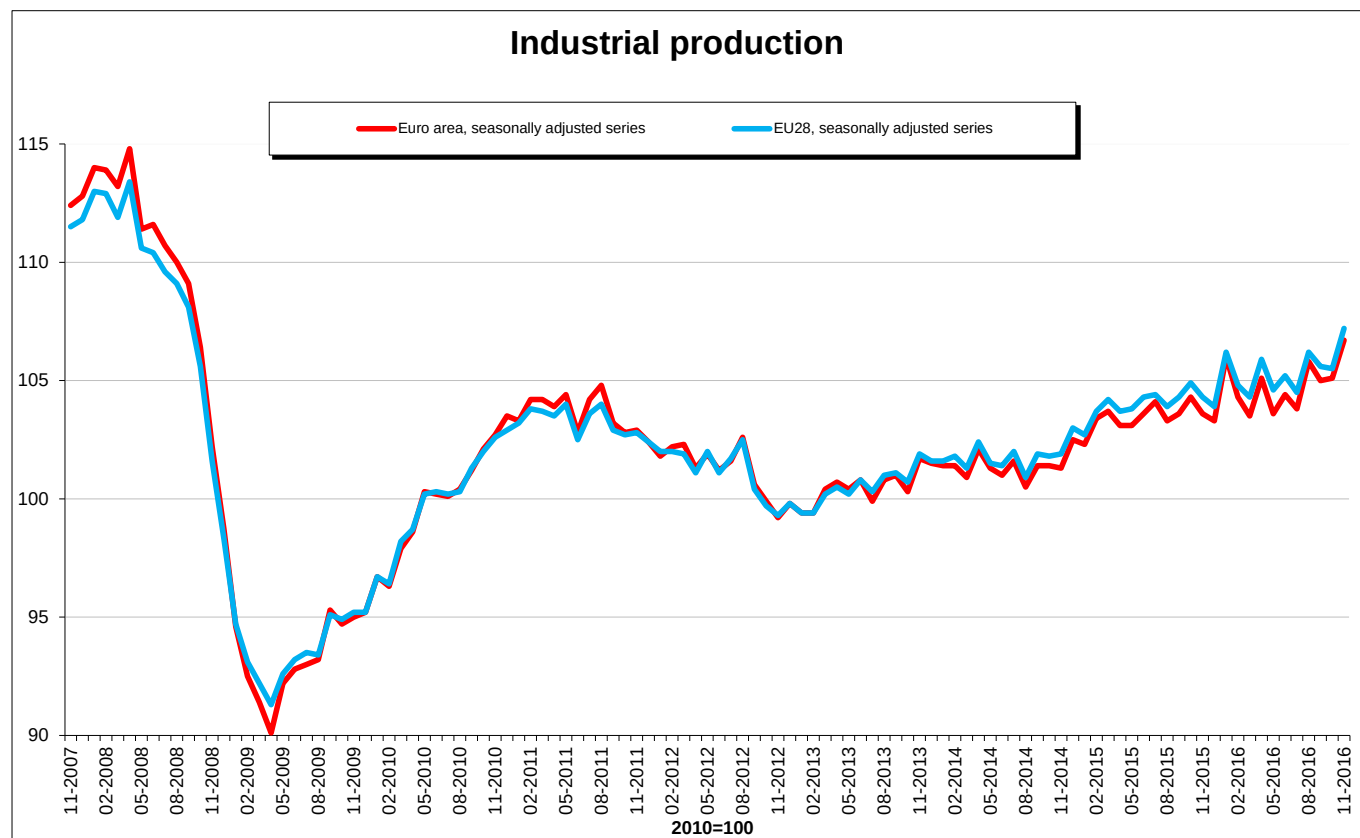
November 2016 compared with October 2016

Industrial production up by 1.5% in euro area

Up by 1.6% in EU28

In November 2016 compared with October 2016, seasonally adjusted industrial production rose by 1.5% in the **euro area** (EA19) and by 1.6% in the **EU28**, according to estimates from **Eurostat, the statistical office of the European Union**. In October 2016 industrial production rose by 0.1% in the **euro area**, while it fell by 0.1% in the **EU28**.

In November 2016 compared with November 2015, industrial production increased by 3.2% in the **euro area** and by 3.1% in the **EU28**.



Monthly comparison by main industrial grouping and by Member State

The increase of 1.5% in industrial production in the **euro area** in November 2016, compared with October 2016, is due to production of non-durable consumer goods rising by 2.9%, intermediate goods by 1.6%, energy by 1.2% and capital goods by 0.1%, while production of durable consumer goods fell by 0.1%.

In the **EU28**, the increase of 1.6% is due to production of non-durable consumer goods rising by 2.8%, both intermediate goods and energy by 1.7%, capital goods by 0.3% and durable consumer goods by 0.1%.

Among Member States for which data are available, the highest increases in industrial production were registered in **Ireland** (+16.3%), **Denmark** (+4.6%) and **Croatia** (+3.7%), while decreases were observed in **Greece** and **Portugal** (both -0.9%).

Annual comparison by main industrial grouping and by Member State

The increase of 3.2% in industrial production in the **euro area** in November 2016, compared with November 2015, is due to production of energy rising by 5.9%, non-durable consumer goods by 3.7%, capital goods by 3.1% and intermediate goods by 2.5%, while production of durable consumer goods fell by 0.8%.

In the **EU28**, the increase of 3.1% is due to production of energy rising by 4.4%, non-durable consumer goods by 3.6%, intermediate goods by 2.9%, capital goods by 2.7% and durable consumer goods by 0.6%.

Among Member States for which data are available, the highest increases in industrial production were registered in **Ireland** (+14.6%), **Latvia** (+11.0%) and **Denmark** (+10.7%), while decreases were observed in **Malta** and **Sweden** (both -0.8%).

Geographical information

The **euro area** (EA19) includes Belgium, Germany, Estonia, Ireland, Greece, Spain, France, Italy, Cyprus, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Austria, Portugal, Slovenia, Slovakia and Finland.

The **European Union** (EU28) includes Belgium, Bulgaria, the Czech Republic, Denmark, Germany, Estonia, Ireland, Greece, Spain, France, Croatia, Italy, Cyprus, Latvia, Lithuania, Luxembourg, Hungary, Malta, the Netherlands, Austria, Poland, Portugal, Romania, Slovenia, Slovakia, Finland, Sweden and the United Kingdom.

Methods and definitions

The **index of industrial production** measures the evolution of the volume of production for industry excluding construction, based on data adjusted for calendar and seasonal effects.

Seasonally adjusted euro area and EU series are calculated by aggregating the seasonally adjusted national data. Eurostat carries out the seasonal adjustment of the data for those countries that do not adjust their data for seasonal effects.

Total industry covers NACE rev.2 sections B to D. Missing observations from Member States for recent months are estimated for the calculation of the euro area and the EU aggregates.

Revisions and timetable

Compared with data issued in the News Release 251/2016 of 14 December 2016, the monthly percentage change for October 2016 has been revised from -0.1% to +0.1% in the euro area and from -0.3% to -0.1% in the EU28. The annual percentage change has been revised from +0.6% to +0.8% in the euro area and from +0.5% to +0.6% in the EU28.

For more information

Eurostat database section on short-term business statistics

Eurostat Statistics Explained article on the industrial production index

The weights of the Member States in the EU and euro area aggregates
(See file EU-28_EA-19_NEWS_RELEASE_WEIGHTINGS_2010)

Eurostat €-indicators release calendar

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Industrial production
% change compared with previous month*

	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16
EA19						
Total industry	0.8	-0.6	1.9	-0.8	0.1	1.5
Intermediate goods	-0.3	-0.3	1.8	-0.6	-0.2	1.6
Energy	-0.5	0.7	3.4	0.1	1.1	1.2
Capital goods	1.7	-1.9	4.2	-2.0	1.2	0.1
Durable consumer goods	0.9	-1.4	5.3	-6.1	1.1	-0.1
Non-durable consumer goods	0.9	0.6	-0.7	0.1	-1.3	2.9
EU28						
Total industry	0.6	-0.7	1.6	-0.6	-0.1	1.6
Intermediate goods	-0.2	-0.2	1.2	0.0	-0.3	1.7
Energy	-0.5	1.3	1.9	-0.7	0.4	1.7
Capital goods	1.5	-2.2	4.4	-1.7	0.5	0.3
Durable consumer goods	0.8	-1.0	3.4	-4.2	0.8	0.1
Non-durable consumer goods	0.3	0.8	-0.6	-0.6	-0.5	2.8

The source dataset is available [here](#).

Total industry	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16
EA19	0.8	-0.6	1.9	-0.8	0.1	1.5
EU28	0.6	-0.7	1.6	-0.6	-0.1	1.6
Belgium	1.6	2.7	-0.8	-2.7	1.3	:
Bulgaria	3.9	-1.6	0.6	-0.3	0.3	1.6
Czech Republic	2.3	-9.6	11.7	-1.6	-0.3	1.8
Denmark	-0.4	2.3	-1.0	-7.6	6.5	4.6
Germany	1.2	-1.8	3.3	-1.4	0.4	0.3
Estonia	-2.0	4.7	-0.3	4.2	-0.5	1.5
Ireland	6.8	7.7	-13.8	7.9	-2.2	16.3
Greece	4.0	-0.4	0.7	-1.9	4.6	-0.9
Spain	0.1	-0.2	2.0	-1.2	0.3	1.7
France	-0.9	-0.4	2.5	-1.5	-0.1	2.2
Croatia	0.3	-0.5	-1.1	3.6	1.6	3.7
Italy	-0.2	0.6	1.8	-0.8	0.1	0.7
Cyprus	2.8	-0.1	-0.2	-1.8	2.2	:
Latvia	0.8	-1.9	-1.7	1.8	2.6	2.8
Lithuania	-0.5	-0.3	-0.4	3.7	2.5	1.1
Luxembourg	3.0	-1.3	-3.4	4.0	-3.4	:
Hungary	-2.5	0.0	1.2	-3.0	2.0	0.9
Malta	-0.8	-0.3	1.4	0.7	-2.0	2.1
Netherlands	1.7	-2.1	3.6	2.1	-1.5	3.5
Austria	-0.4	-0.4	1.7	0.0	-0.8	:
Poland	0.4	-1.5	2.1	-0.4	-0.7	2.1
Portugal	1.9	-0.6	1.0	-2.1	2.2	-0.9
Romania	2.2	0.8	0.9	0.8	-0.8	0.7
Slovenia	0.4	1.1	-0.4	1.4	-0.5	0.9
Slovakia	-1.0	-16.0	26.1	-3.9	-0.5	:
Finland	1.0	0.8	-2.8	2.8	0.1	0.0
Sweden	-1.0	1.5	-4.0	7.7	-2.9	1.1
United Kingdom	0.0	0.1	-0.3	-0.4	-1.1	2.1
Norway	-3.9	4.2	-4.4	-5.3	10.1	0.5

* Calendar and seasonally adjusted

: Data not available

The source dataset is available [here](#).

Industrial production
% change compared with same month of the previous year*

	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16
EA19						
Total industry	0.8	-0.3	2.4	1.4	0.8	3.2
Intermediate goods	0.6	0.7	2.7	1.5	1.0	2.5
Energy	-3.7	-4.7	1.9	1.4	2.3	5.9
Capital goods	1.5	-1.2	3.5	1.2	1.3	3.1
Durable consumer goods	0.5	1.2	4.2	-0.6	-1.9	-0.8
Non-durable consumer goods	1.5	1.8	0.2	1.7	-0.7	3.7
EU28						
Total industry	0.7	0.1	2.3	1.2	0.6	3.1
Intermediate goods	0.6	0.8	2.6	1.8	0.9	2.9
Energy	-3.3	-3.0	0.5	0.1	0.0	4.4
Capital goods	1.8	-0.7	4.2	1.5	1.2	2.7
Durable consumer goods	0.9	1.9	4.4	0.7	0.0	0.6
Non-durable consumer goods	1.0	1.6	0.3	0.6	-0.6	3.6

The source dataset is available [here](#).

Total industry	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16
EA19	0.8	-0.3	2.4	1.4	0.8	3.2
EU28	0.7	0.1	2.3	1.2	0.6	3.1
Belgium	5.5	6.9	5.9	2.1	2.7	:
Bulgaria	3.9	2.3	2.5	3.5	2.4	4.3
Czech Republic	4.0	-7.3	7.9	2.8	0.7	4.5
Denmark	-1.5	7.0	0.5	-3.1	4.5	10.7
Germany	1.1	-1.6	2.5	1.5	1.7	2.3
Estonia	-3.6	2.2	1.2	5.8	4.7	9.3
Ireland	1.7	5.1	-7.5	-0.4	-4.7	14.6
Greece	8.0	4.7	0.1	0.1	7.2	2.3
Spain	0.3	-0.9	4.4	0.2	0.2	3.7
France	-1.1	-0.2	0.5	-1.0	-1.9	2.0
Croatia	4.1	1.2	2.5	1.9	1.7	7.2
Italy	-0.9	-0.3	4.4	1.9	1.3	3.2
Cyprus	10.7	8.4	5.8	3.0	7.3	:
Latvia	7.9	2.5	-0.6	2.4	6.7	11.0
Lithuania	-1.4	-0.6	0.3	8.2	0.3	1.6
Luxembourg	2.2	0.6	-7.6	1.7	-4.6	:
Hungary	-0.5	0.2	3.3	-3.7	-2.1	0.6
Malta	-6.9	-5.6	-2.5	-1.8	-6.4	-0.8
Netherlands	1.4	-0.5	4.1	5.4	1.5	7.0
Austria	0.8	-0.9	2.6	2.9	0.2	:
Poland	3.8	0.9	5.2	3.2	0.8	3.2
Portugal	1.3	-1.2	2.5	0.8	-1.0	1.8
Romania	-1.3	1.1	2.9	3.5	2.0	2.7
Slovenia	6.2	7.1	6.3	7.6	6.6	7.4
Slovakia	2.4	-13.8	17.2	4.1	3.4	:
Finland	3.7	5.6	-1.1	4.0	4.6	3.9
Sweden	-2.8	2.4	-6.2	1.5	-2.1	-0.8
United Kingdom	1.1	2.4	2.2	0.5	-1.1	2.3
Norway	-5.8	0.5	-6.5	-12.5	0.7	1.3

* Calendar adjusted

: Data not available

The source dataset is available [here](#).

Production indices for total industry, calendar and seasonally adjusted
(base year 2010)

	11/15	12/15	01/16	02/16	03/16	04/16	05/16	06/16	07/16	08/16	09/16	10/16	11/16
EA19	103.6	103.3	106.0	104.3	103.5	105.1	103.6	104.4	103.8	105.8	105.0	105.1	106.7
EU28	104.3	103.9	106.2	104.8	104.3	105.9	104.6	105.2	104.5	106.2	105.6	105.5	107.2
Belgium	107.1	102.8	108.9	107.4	106.9	107.1	105.4	107.1	110.0	109.1	106.1	107.5	:
Bulgaria	110.9	112.5	113.0	113.2	112.4	111.9	110.0	114.3	112.5	113.2	112.9	113.2	115.0
Czech Republic	115.9	114.1	118.3	117.3	119.1	117.6	117.5	120.2	108.7	121.4	119.4	119.0	121.1
Denmark	100.2	104.0	107.1	106.1	106.0	107.3	107.5	107.1	109.6	108.5	100.2	106.7	111.6
Germany	108.3	108.3	111.3	110.1	109.2	110.1	108.8	110.1	108.1	111.7	110.1	110.5	110.8
Estonia	125.2	123.3	129.2	128.7	124.7	131.3	127.1	124.6	130.4	130.0	135.5	134.8	136.8
Ireland	158.6	159.9	190.4	158.4	131.9	160.5	148.8	158.9	171.1	147.5	159.1	155.6	180.9
Greece	90.4	92.8	91.5	87.5	87.2	90.8	87.0	90.5	90.1	90.7	89.0	93.1	92.3
Spain	94.9	95.3	95.2	94.7	96.1	95.9	95.3	95.4	95.2	97.1	95.9	96.2	97.8
France	101.0	100.7	102.2	100.8	100.5	101.6	101.1	100.2	99.8	102.3	100.8	100.7	102.9
Croatia	98.0	95.9	98.2	97.8	101.7	98.5	97.6	97.9	97.4	96.3	99.8	101.4	105.2
Italy	92.0	91.7	93.3	92.6	92.7	93.2	92.6	92.4	93.0	94.7	93.9	94.0	94.7
Cyprus	76.5	76.8	78.1	78.7	79.0	80.2	78.1	80.3	80.2	80.0	78.6	80.3	:
Latvia	117.9	117.6	118.2	118.3	123.7	121.8	124.6	125.6	123.2	121.1	123.3	126.5	130.1
Lithuania	125.7	121.6	122.7	124.2	119.7	116.1	120.8	120.2	119.8	119.3	123.7	126.8	128.2
Luxembourg	101.5	99.1	99.4	100.3	100.1	96.6	96.6	99.5	98.2	94.9	98.7	95.3	:
Hungary	121.9	121.4	121.3	120.3	118.1	125.1	124.3	121.2	121.2	122.7	119.0	121.4	122.5
Malta	98.3	97.6	93.3	95.8	95.2	96.4	96.4	95.6	95.3	96.6	97.3	95.4	97.4
Netherlands	93.5	92.3	94.0	93.2	95.0	96.6	91.5	93.1	91.1	94.4	96.4	95.0	98.3
Austria	111.5	109.8	112.7	110.5	112.8	113.3	112.6	112.2	111.7	113.6	113.6	112.7	:
Poland	121.6	122.5	122.2	122.2	121.4	124.2	122.8	123.3	121.4	123.9	123.4	122.5	125.1
Portugal	96.2	94.7	95.5	96.3	95.1	100.7	96.9	98.7	98.1	99.1	97.0	99.1	98.2
Romania	132.6	132.2	129.5	130.5	131.5	134.3	128.6	131.4	132.5	133.7	134.8	133.7	134.6
Slovenia	107.7	106.8	111.1	111.4	111.0	111.6	112.4	112.9	114.1	113.7	115.3	114.7	115.7
Slovakia	141.2	141.1	138.9	143.1	138.9	144.1	143.7	142.2	119.4	150.6	144.7	144.0	:
Finland	93.6	94.8	93.0	95.1	93.1	95.3	95.4	96.4	97.2	94.5	97.1	97.2	97.2
Sweden	100.1	97.4	99.6	99.6	100.2	100.0	97.3	96.3	97.7	93.8	101.0	98.1	99.2
United Kingdom	98.6	97.6	98.3	98.2	98.6	100.9	100.2	100.2	100.3	100.0	99.6	98.5	100.6
Norway	96.5	95.9	97.1	97.4	97.1	97.9	97.5	93.7	97.6	93.3	88.4	97.3	97.8

: Data not available

The source dataset is available [here](#).

Production indices for total industry, calendar adjusted
(base year 2010)

	11/13	11/14	11/15	12/15	01/16	02/16	03/16	04/16	05/16	06/16	07/16	08/16	09/16	10/16	11/16
EA19	106.7	106.1	108.4	98.5	101.3	102.4	111.6	104.1	103.4	107.4	105.8	89.3	109.0	110.4	111.9
EU28	106.9	106.8	109.2	99.6	101.9	102.4	112.2	105.2	104.6	107.8	104.8	92.1	109.3	110.9	112.6
Belgium	106.5	105.3	108.4	101.3	106.6	105.4	116.5	107.3	104.3	112.8	101.8	99.3	111.4	113.5	:
Bulgaria	115.2	115.5	118.0	116.1	108.2	106.5	112.4	109.9	103.7	115.9	116.3	109.2	113.0	117.3	123.1
Czech Republic	115.4	120.4	123.9	107.8	112.7	113.1	127.4	118.0	117.8	125.2	102.4	112.0	122.7	126.7	129.5
Denmark	111.2	111.8	108.3	99.4	107.2	101.6	109.3	103.9	106.3	110.0	96.3	106.5	107.5	116.6	119.9
Germany	115.5	115.1	115.1	102.9	103.9	106.6	117.5	108.7	106.4	112.1	109.4	103.6	114.8	115.2	117.8
Estonia	132.2	140.0	131.2	116.6	123.5	120.9	131.2	130.5	132.0	124.6	119.1	128.8	141.1	145.4	143.4
Ireland*	97.0	123.2	162.0	152.5	186.8	152.7	144.9	160.1	147.0	163.8	168.3	139.8	162.6	155.9	185.6
Greece	82.9	85.7	88.0	89.7	83.4	85.3	87.5	90.6	88.6	97.1	99.8	87.3	92.5	91.3	90.0
Spain	93.7	93.6	98.2	88.0	92.1	93.9	102.8	95.0	99.5	99.7	101.2	76.5	98.7	100.1	101.8
France	102.9	99.6	103.2	100.2	102.8	101.0	109.8	103.4	96.4	106.1	98.3	78.1	104.1	105.9	105.3
Croatia	96.4	99.1	102.7	95.1	88.5	91.9	106.5	99.5	101.7	96.8	102.3	87.7	101.3	104.8	110.1
Italy	96.5	94.6	95.8	79.9	88.5	93.9	101.2	92.1	100.2	96.0	106.1	61.8	99.6	102.4	98.9
Cyprus	67.6	67.9	73.2	75.4	68.9	71.3	76.9	78.8	82.1	87.8	96.8	72.4	82.7	80.9	:
Latvia	123.1	120.4	125.8	117.2	103.2	100.0	121.6	122.4	127.0	127.9	124.2	123.6	125.0	140.3	139.7
Lithuania	116.8	123.0	130.0	122.3	118.7	119.3	121.2	112.5	120.8	120.4	120.7	117.8	126.0	132.1	132.1
Luxembourg	96.5	100.6	103.9	91.8	96.9	98.7	106.7	99.6	97.4	101.6	99.5	80.3	101.2	102.7	:
Hungary	119.4	126.2	134.5	114.6	116.9	113.7	123.4	124.3	126.4	124.8	118.8	110.5	125.7	130.0	135.3
Malta	96.0	94.4	97.3	84.8	88.4	90.7	102.6	97.1	97.7	101.7	102.2	90.1	101.7	99.9	96.5
Netherlands	109.5	105.3	101.4	99.3	101.9	98.0	104.9	93.3	88.0	89.4	81.1	78.3	91.6	97.5	108.5
Austria	115.4	113.6	118.1	108.7	99.9	102.5	120.9	113.0	110.6	115.4	112.4	101.6	121.5	119.0	:
Poland	119.6	120.0	126.6	118.3	116.4	116.3	128.0	123.1	120.3	124.3	118.0	117.4	129.9	131.6	130.7
Portugal	98.6	97.7	98.6	87.2	96.3	96.8	99.3	98.4	100.6	101.9	102.6	83.6	99.9	100.5	100.4
Romania	132.9	136.5	139.9	122.6	124.4	126.2	137.1	134.3	133.7	131.8	135.2	117.2	141.9	144.0	143.7
Slovenia	104.6	107.1	112.0	96.6	107.0	108.1	120.3	110.3	115.5	119.0	115.6	96.9	121.6	120.9	120.3
Slovakia	132.1	140.7	152.5	128.2	131.3	142.8	144.8	145.5	147.4	148.3	114.0	137.4	147.3	154.5	:
Finland	106.6	105.3	104.8	106.5	73.4	80.5	94.1	88.3	100.0	96.2	90.5	93.4	105.8	112.1	108.9
Sweden	103.0	98.6	106.5	99.2	95.2	96.9	108.8	103.4	97.5	100.1	79.9	84.1	105.3	105.1	105.7
United Kingdom	100.3	101.9	102.2	95.7	96.8	95.4	107.6	101.3	102.4	100.9	98.8	94.6	100.3	101.1	104.5
Norway	98.5	102.7	101.0	98.5	103.0	95.6	102.2	96.1	96.8	89.2	88.0	90.5	84.2	103.4	102.3

* Data for Ireland have been revised as of January 2015. The changes arise due to increased globalisation. Eurostat will review the underlying methodology in due course.

: Data not available

The source dataset is available [here](#).