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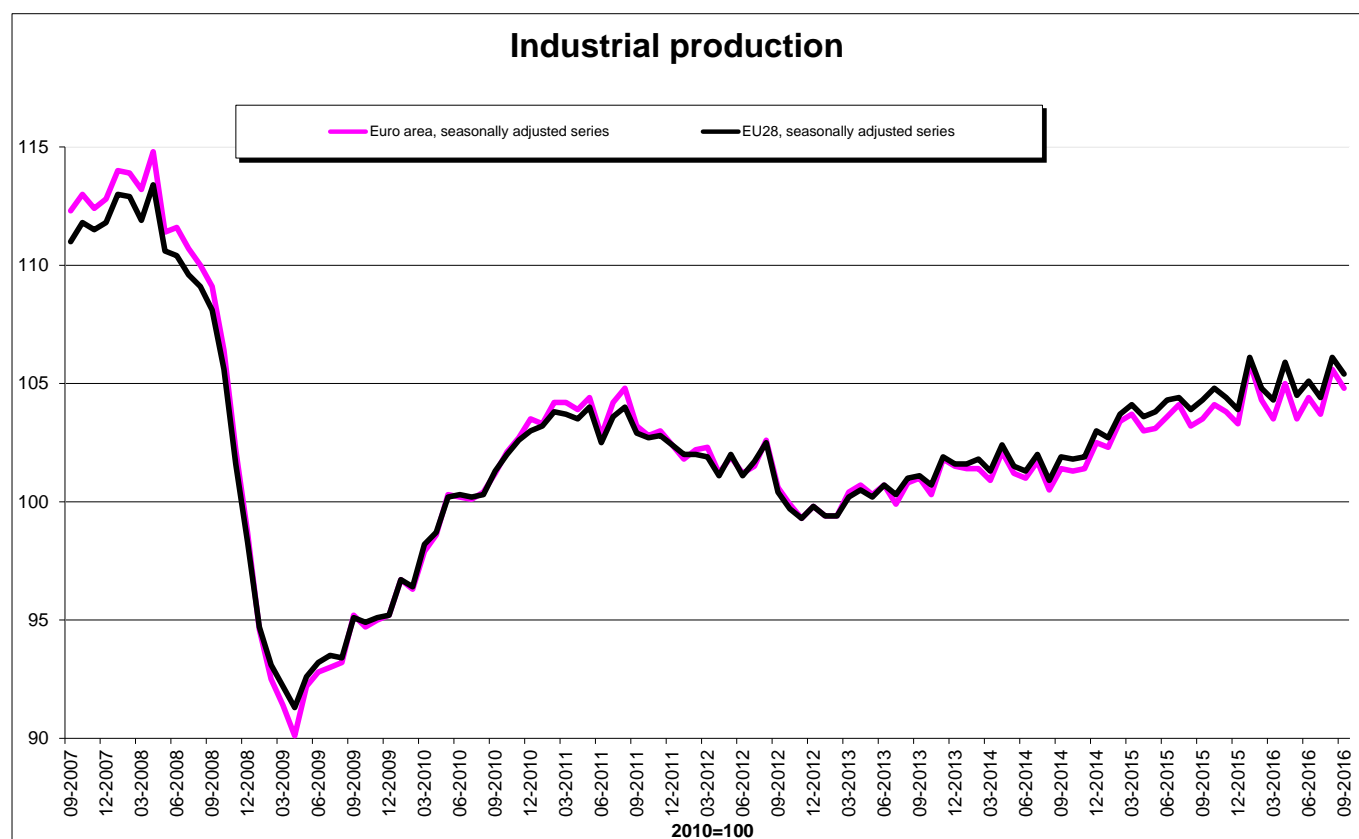
September 2016 compared with August 2016

Industrial production down by 0.8% in euro area

Down by 0.7% in EU28

In September 2016 compared with August 2016, seasonally adjusted industrial production fell by 0.8% in the **euro area** (EA19) and by 0.7% in the **EU28**, according to estimates from **Eurostat, the statistical office of the European Union**. In August 2016 industrial production rose by 1.8% in the **euro area** and by 1.6% in the **EU28**.

In September 2016 compared with September 2015, industrial production increased by 1.2% in both zones.



Monthly comparison by main industrial grouping and by Member State

The decrease of 0.8% in industrial production in the **euro area** in September 2016, compared with August 2016, is due to production of durable consumer goods falling by 5.6%, capital goods by 2.2%, intermediate goods by 0.7% and energy by 0.2%, while production of non-durable consumer goods rose by 0.3%.

In the **EU28**, the decrease of 0.7% is due to production of durable consumer goods falling by 3.7%, capital goods by 1.6%, energy by 0.6%, non-durable consumer goods by 0.4% and intermediate goods by 0.1%.

Among Member States for which data are available, the largest decreases in industrial production were registered in **Denmark** (-8.1%), **Germany** (-1.9%) and **Greece** (-1.8%), and the highest increases in **Sweden** (+7.6%), **Ireland** (+6.4%) and **Estonia** (+5.2%).

Annual comparison by main industrial grouping and by Member State

The increase of 1.2% in industrial production in the **euro area** in September 2016, compared with September 2015, is due to production of non-durable consumer goods rising by 1.9%, intermediate goods by 1.3%, capital goods by 1.2% and energy by 0.7%, while production of durable consumer goods fell by 0.2%.

In the **EU28**, the increase of 1.2% is due to production of intermediate goods rising by 1.6%, capital goods by 1.5%, durable consumer goods by 0.9% and non-durable consumer goods by 0.8%, while production of energy fell by 0.1%.

Among Member States for which data are available, the highest increases in industrial production were registered in **Lithuania** (+7.9%), **Slovenia** (+7.4%) and **Estonia** (+6.5%). Decreases were registered in **Denmark** (-3.2%), **France** (-1.0%) and **Ireland** (-0.9%).

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 194/2016 of 12 October 2016, the monthly percentage changes for August 2016 have been revised from +1.6% to +1.8% in the euro area and from +1.4% to +1.6% in the EU28. The annual percentage changes have been revised from +1.8% to +2.2% in the euro area and from +1.8% to +2.1% in the EU28.

For more information

Eurostat's database section on short-term business statistics

Eurostat's 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's €-indicators release calendar

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Industrial production
% change compared with previous month*

	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
EA19						
Total industry	1.4	-1.4	0.9	-0.7	1.8	-0.8
Intermediate goods	0.6	-0.3	-0.3	-0.3	1.8	-0.7
Energy	0.4	-2.8	-0.3	0.9	2.5	-0.2
Capital goods	2.0	-2.4	1.7	-1.9	4.2	-2.2
Durable consumer goods	2.2	-1.8	1.1	-1.1	4.8	-5.6
Non-durable consumer goods	2.5	-0.2	0.9	0.6	-0.6	0.3
EU28						
Total industry	1.5	-1.3	0.6	-0.7	1.6	-0.7
Intermediate goods	0.6	-0.4	-0.2	-0.3	1.2	-0.1
Energy	0.9	-2.2	-0.5	1.4	1.2	-0.6
Capital goods	1.9	-2.1	1.5	-2.3	4.3	-1.6
Durable consumer goods	1.7	-1.1	0.9	-0.9	3.1	-3.7
Non-durable consumer goods	3.0	-0.8	0.2	0.8	-0.5	-0.4

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

Total industry	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
EA19	1.4	-1.4	0.9	-0.7	1.8	-0.8
EU28	1.5	-1.3	0.6	-0.7	1.6	-0.7
Belgium	0.2	-1.5	1.5	1.5	-3.5	:
Bulgaria	-0.4	-1.7	3.9	-1.6	0.6	-0.3
Czech Republic	-1.3	-0.2	2.3	-9.8	11.9	-1.6
Denmark	1.1	0.2	-0.3	2.1	-0.7	-8.1
Germany	0.8	-1.2	1.2	-1.8	3.4	-1.9
Estonia	5.3	-3.2	-2.0	4.6	-0.5	5.2
Ireland	21.6	-8.2	7.6	7.9	-12.9	6.4
Greece	4.0	-4.2	4.0	-0.6	0.6	-1.8
Spain	-0.2	-0.6	-0.1	-0.2	2.0	-1.2
France	1.1	-0.6	-0.8	-0.5	2.2	-1.1
Croatia	-3.1	-0.9	0.3	-0.5	-1.1	3.6
Italy	0.5	-0.6	-0.2	0.5	1.8	-0.8
Cyprus	1.6	-2.6	2.7	-0.1	-0.1	:
Latvia	-1.8	2.1	0.5	-2.1	-2.0	1.5
Lithuania	-3.0	4.0	-0.5	-0.3	-0.4	3.1
Luxembourg	-3.4	-0.1	3.1	-0.1	-3.0	:
Hungary	5.8	-0.6	-2.3	-0.3	1.6	:
Malta	1.3	0.2	-0.9	0.0	0.2	3.2
Netherlands	1.7	-5.3	1.7	-1.6	3.2	1.7
Austria	0.1	-0.6	-0.2	-0.7	1.9	:
Poland	2.3	-1.1	0.4	-1.5	2.1	-0.2
Portugal	5.9	-3.8	1.9	-0.6	1.3	-1.6
Romania	2.1	-4.2	2.2	0.8	0.9	1.0
Slovenia	0.5	0.6	0.5	1.1	-0.4	1.3
Slovakia	3.9	0.1	-0.8	-17.0	28.2	:
Finland	2.2	0.1	0.9	0.7	-2.9	2.7
Sweden	-0.1	-2.7	-1.0	1.3	-3.8	7.6
United Kingdom	2.2	-0.7	0.0	0.1	-0.4	-0.3
Norway	0.8	-0.3	-4.0	4.1	-4.8	-5.6

* Calendar and seasonally adjusted

: Data not available

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

Industrial production

% change compared with same month of the previous year*

	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
EA19						
Total industry	2.0	0.4	0.8	-0.5	2.2	1.2
Intermediate goods	1.7	1.1	0.6	0.6	2.5	1.3
Energy	2.1	-1.4	-3.5	-4.7	1.1	0.7
Capital goods	3.0	-0.4	1.5	-1.4	3.4	1.2
Durable consumer goods	2.0	-1.0	0.5	1.4	4.8	-0.2
Non-durable consumer goods	1.2	0.7	1.5	1.8	0.2	1.9
EU28						
Total industry	2.5	1.0	0.7	0.0	2.1	1.2
Intermediate goods	1.4	1.0	0.5	0.5	2.3	1.6
Energy	1.9	-1.8	-3.2	-3.0	0.1	-0.1
Capital goods	3.0	0.4	1.7	-0.9	4.0	1.5
Durable consumer goods	2.7	0.7	1.0	2.0	4.8	0.9
Non-durable consumer goods	2.4	1.0	1.1	1.8	0.4	0.8

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

Total industry	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
EA19	2.0	0.4	0.8	-0.5	2.2	1.2
EU28	2.5	1.0	0.7	0.0	2.1	1.2
Belgium	3.7	1.5	5.4	5.6	1.1	:
Bulgaria	2.6	-3.4	3.9	2.3	2.5	3.4
Czech Republic	1.4	1.4	4.0	-7.6	7.7	2.7
Denmark	1.6	4.0	-1.4	7.0	1.1	-3.2
Germany	1.0	-0.2	1.1	-1.7	2.5	1.2
Estonia	0.5	-2.1	-3.6	2.2	0.9	6.5
Ireland	0.8	-0.7	1.7	5.1	-7.5	-0.9
Greece	3.4	3.4	8.0	4.7	0.1	0.1
Spain	2.8	1.1	0.3	-0.9	4.4	0.3
France	2.1	0.6	-1.3	-0.3	0.3	-1.0
Croatia	5.0	1.7	4.1	1.2	2.5	1.9
Italy	1.8	-0.6	-0.9	-0.3	4.4	1.8
Cyprus	10.2	4.5	10.7	8.1	6.0	:
Latvia	0.0	5.5	7.9	2.5	-0.6	2.4
Lithuania	-1.6	0.2	-1.4	-0.6	0.3	7.9
Luxembourg	-1.3	-2.7	2.2	2.2	-5.2	:
Hungary	5.0	4.4	-0.3	-0.1	3.5	:
Malta	-2.7	-3.9	-6.8	-5.3	-3.9	0.4
Netherlands	5.2	1.5	1.4	-0.4	4.3	5.2
Austria	3.7	2.4	1.5	-1.0	2.8	:
Poland	5.9	3.2	3.8	0.9	5.2	3.2
Portugal	3.4	-2.0	1.3	-1.2	2.8	1.6
Romania	4.3	-1.3	-1.3	1.1	2.9	3.5
Slovenia	5.6	5.2	6.2	7.0	6.3	7.4
Slovakia	7.4	9.1	2.4	-14.0	17.5	:
Finland	1.9	2.1	3.2	5.0	-1.8	3.3
Sweden	3.0	-1.9	-2.9	1.9	-6.4	1.5
United Kingdom	4.3	3.6	1.1	2.3	2.3	0.3
Norway	6.0	1.5	-5.8	0.5	-6.5	-12.5

* Calendar adjusted

: Data not available

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

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

	09/15	10/15	11/15	12/15	01/16	02/16	03/16	04/16	05/16	06/16	07/16	08/16	09/16
EA19	103.5	104.1	103.8	103.3	105.9	104.3	103.5	105.0	103.5	104.4	103.7	105.6	104.8
EU28	104.3	104.8	104.4	103.9	106.1	104.8	104.3	105.9	104.5	105.1	104.4	106.1	105.4
Belgium	103.6	104.6	107.0	102.8	108.9	107.3	106.8	107.0	105.4	107.0	108.6	104.8	:
Bulgaria	109.2	110.4	110.9	112.5	113.0	113.2	112.4	111.9	110.0	114.3	112.5	113.2	112.9
Czech Republic	116.2	117.6	116.1	114.2	118.3	117.4	119.2	117.7	117.5	120.2	108.4	121.3	119.3
Denmark	104.6	101.7	100.5	104.1	107.2	106.2	106.1	107.3	107.5	107.2	109.4	108.6	99.8
Germany	108.5	108.7	108.3	108.3	111.3	110.1	109.2	110.1	108.8	110.1	108.1	111.8	109.7
Estonia	128.1	128.7	125.3	123.4	129.1	128.7	124.7	131.3	127.1	124.6	130.3	129.7	136.4
Ireland	160.7	162.3	159.3	160.2	189.3	157.8	132.1	160.6	147.5	158.7	171.3	149.2	158.7
Greece	88.7	87.4	90.7	93.0	91.6	87.5	87.2	90.7	86.9	90.4	89.9	90.4	88.8
Spain	95.3	95.5	95.4	95.4	95.2	94.8	96.1	95.9	95.3	95.2	95.0	96.9	95.7
France	101.7	102.1	101.4	100.7	101.9	100.6	100.3	101.4	100.8	100.0	99.5	101.7	100.6
Croatia	98.0	99.6	98.0	95.9	98.2	97.8	101.7	98.5	97.6	97.9	97.4	96.3	99.8
Italy	92.1	92.7	92.3	91.7	93.3	92.7	92.7	93.2	92.6	92.4	92.9	94.6	93.8
Cyprus	75.2	74.7	76.4	76.8	78.1	78.7	79.1	80.4	78.3	80.4	80.3	80.2	:
Latvia	118.3	118.5	119.4	118.5	118.8	118.7	123.8	121.6	124.1	124.7	122.1	119.7	121.5
Lithuania	115.9	128.3	125.7	121.6	122.7	124.2	119.7	116.1	120.8	120.2	119.8	119.3	123.0
Luxembourg	97.5	99.8	101.5	99.1	99.3	100.3	100.2	96.8	96.7	99.7	99.6	96.6	:
Hungary	122.4	123.9	122.1	121.5	121.8	120.5	118.4	125.3	124.6	121.7	121.3	123.2	:
Malta	98.9	101.3	98.6	97.5	93.2	96.1	95.2	96.4	96.6	95.7	95.7	95.9	99.0
Netherlands	91.2	93.7	93.5	92.3	94.0	93.2	95.0	96.6	91.5	93.1	91.6	94.5	96.1
Austria	109.9	112.2	111.3	109.8	112.5	110.4	113.2	113.3	112.6	112.4	111.6	113.7	:
Poland	119.8	120.8	121.6	122.5	122.2	122.2	121.4	124.2	122.8	123.3	121.4	123.9	123.7
Portugal	96.1	99.9	96.2	94.7	95.5	96.3	95.1	100.7	96.9	98.7	98.1	99.4	97.8
Romania	133.1	132.7	132.6	132.2	129.5	130.5	131.5	134.3	128.6	131.4	132.5	133.7	135.0
Slovenia	107.8	107.3	107.8	106.7	111.1	111.4	111.0	111.6	112.3	112.9	114.1	113.7	115.2
Slovakia	137.7	136.2	140.5	140.8	138.8	143.3	139.6	145.0	145.2	144.0	119.5	153.2	:
Finland	93.8	93.4	93.7	94.8	92.9	94.9	92.8	94.8	94.9	95.8	96.5	93.7	96.2
Sweden	99.2	99.4	99.8	97.1	99.1	99.1	99.6	99.5	96.8	95.8	97.0	93.3	100.4
United Kingdom	99.4	99.5	98.7	97.6	98.4	98.3	98.8	101.0	100.3	100.3	100.4	100.0	99.7
Norway	101.2	97.0	96.7	95.9	97.1	97.4	97.2	98.0	97.7	93.8	97.6	92.9	87.7

: Data not available
The source dataset is available [here](#).

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

	09/13	09/14	09/15	10/15	11/15	12/15	01/16	02/16	03/16	04/16	05/16	06/16	07/16	08/16	09/16
EA19	104.9	105.3	107.5	109.5	108.4	98.6	101.3	102.4	111.5	104.0	103.4	107.4	105.6	89.0	108.8
EU28	104.7	105.5	107.9	110.2	109.2	99.6	101.8	102.4	112.2	105.2	104.6	107.8	104.7	91.9	109.2
Belgium	107.7	110.5	109.2	110.5	108.2	101.4	106.6	105.4	116.6	107.3	104.3	112.7	100.5	94.7	:
Bulgaria	107.7	108.3	109.2	114.6	118.0	116.1	108.2	106.5	112.4	109.9	103.7	115.9	116.3	109.2	112.9
Czech Republic	108.7	115.5	119.4	125.7	123.9	107.8	112.7	113.1	127.4	118.0	117.8	125.2	102.1	111.8	122.6
Denmark	104.7	108.9	111.0	111.6	108.3	99.4	107.2	101.6	109.3	103.9	106.3	110.0	96.3	107.2	107.4
Germany	111.8	112.4	113.1	113.3	115.1	102.9	103.9	106.6	117.5	108.7	106.4	112.1	109.3	103.6	114.5
Estonia	131.6	138.4	133.5	138.9	131.2	116.7	123.5	120.9	131.2	130.5	132.0	124.6	119.1	128.5	142.2
Ireland*	99.1	119.4	163.3	163.6	162.0	152.5	186.8	152.7	144.9	160.1	147.0	163.8	168.3	139.8	161.9
Greece	93.7	89.7	92.4	85.2	88.0	89.7	83.4	85.3	87.5	90.6	88.6	97.1	99.8	87.3	92.5
Spain	93.3	94.5	98.5	99.9	98.2	88.0	92.1	93.9	102.8	95.0	99.5	99.7	101.2	76.5	98.8
France	103.5	103.2	105.0	107.8	103.1	100.5	102.4	100.7	109.5	103.2	96.1	105.9	98.0	77.8	104.0
Croatia	91.1	94.2	99.4	103.0	102.7	95.1	88.5	91.9	106.5	99.5	101.7	96.8	102.3	87.7	101.3
Italy	98.5	96.2	97.7	101.1	95.8	79.9	88.5	93.9	101.2	92.1	100.2	96.0	106.1	61.8	99.5
Cyprus	76.8	76.3	80.3	75.3	73.2	75.5	68.8	71.3	77.0	78.8	82.1	87.8	96.5	72.4	:
Latvia	118.8	119.7	122.1	131.5	125.8	117.2	103.1	100.0	121.5	122.4	127.0	127.9	124.2	123.6	125.0
Lithuania	116.4	116.5	116.4	131.7	130.0	122.3	118.7	119.3	121.2	112.5	120.8	120.4	120.7	117.8	125.6
Luxembourg	96.8	99.8	99.3	107.8	103.9	91.8	96.7	98.8	106.6	99.5	97.3	101.6	101.3	82.4	:
Hungary	114.7	120.9	130.5	132.7	134.5	114.6	117.4	113.8	123.6	124.5	126.6	125.1	118.5	110.7	:
Malta	104.9	98.7	103.6	106.7	97.3	84.9	88.4	90.8	102.6	97.2	97.7	101.8	102.6	88.8	104.0
Netherlands	92.7	91.4	86.9	96.1	101.4	99.3	101.9	98.0	104.9	93.3	88.0	89.4	81.2	78.4	91.4
Austria	115.7	115.5	117.1	118.5	117.9	108.8	100.2	102.5	120.9	112.9	110.6	115.4	112.4	101.8	:
Poland	118.7	120.9	125.9	130.5	126.6	118.3	116.4	116.3	128.0	123.1	120.3	124.3	118.0	117.4	129.9
Portugal	97.7	95.6	99.1	101.5	98.6	87.2	96.3	96.8	99.3	98.4	100.6	101.9	102.6	83.9	100.7
Romania	127.1	132.0	137.1	141.2	139.9	122.6	124.4	126.2	137.1	134.3	133.7	131.8	135.2	117.2	141.9
Slovenia	104.8	105.7	113.0	113.4	112.0	96.5	107.0	108.1	120.3	110.2	115.4	119.1	115.6	96.9	121.4
Slovakia	125.7	131.7	141.5	149.4	152.4	128.3	131.1	142.8	145.0	145.5	147.5	148.4	113.9	137.6	:
Finland	101.6	100.7	101.7	107.2	104.8	106.5	73.4	80.4	93.7	87.8	99.5	95.8	90.0	92.7	105.1
Sweden	100.0	96.1	103.3	106.7	106.0	98.8	94.7	96.5	108.3	102.9	97.0	99.6	79.1	83.6	104.8
United Kingdom	97.3	98.7	99.8	102.5	102.3	95.8	97.0	95.5	107.7	101.4	102.3	100.9	98.8	94.5	100.1
Norway	87.5	94.3	96.2	102.7	101.0	98.5	103.0	95.6	102.2	96.1	96.8	89.2	88.0	90.5	84.2

* 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](#).