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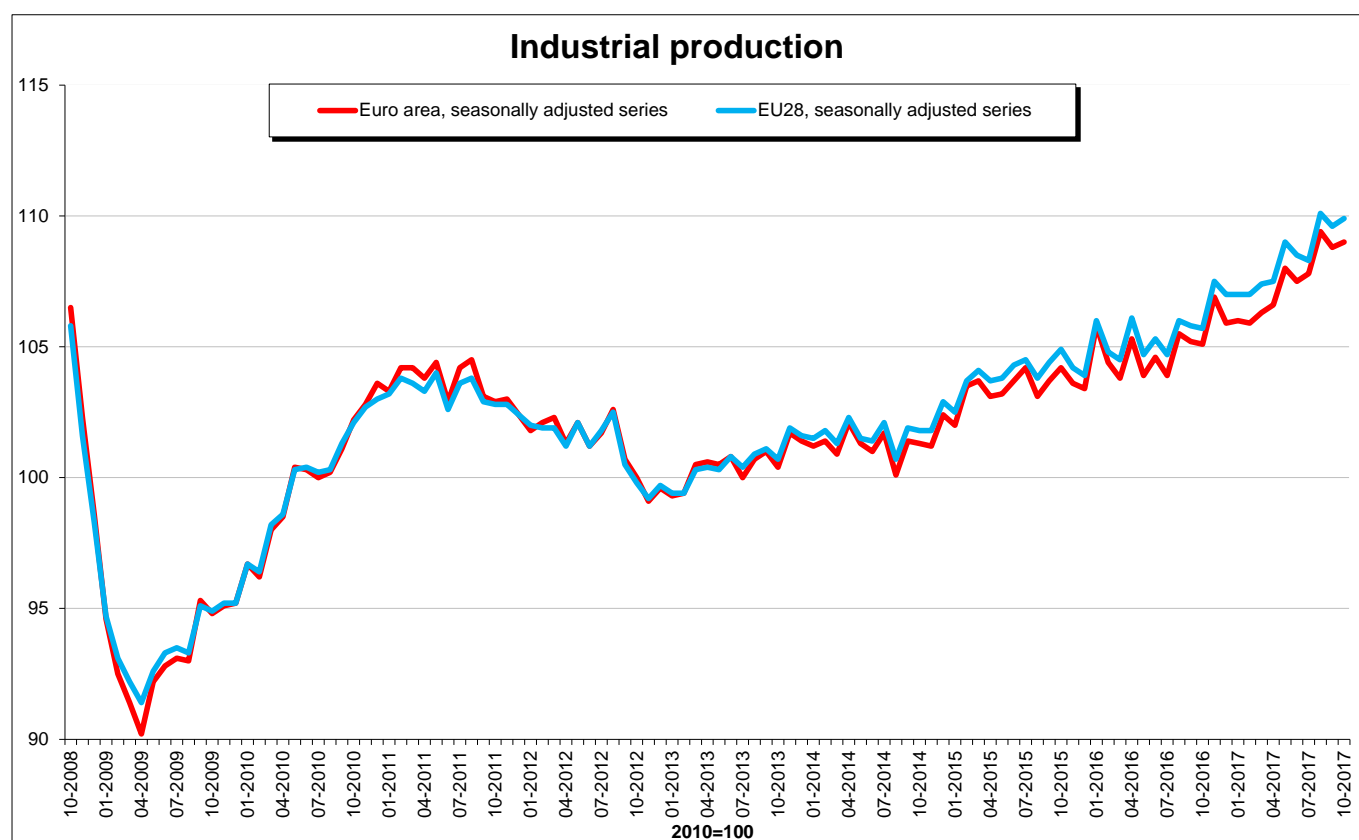
October 2017 compared with September 2017

Industrial production up by 0.2% in euro area

Up by 0.3% in EU28

In October 2017 compared with September 2017, seasonally adjusted industrial production rose by 0.2% in the **euro area** (EA19) and by 0.3% in the **EU28**, according to estimates from **Eurostat, the statistical office of the European Union**. In September 2017, the industrial production fell by 0.5% in both zones.

In October 2017 compared with October 2016, industrial production increased by 3.7% in the **euro area** and by 4.2% in the **EU28**.



Monthly comparison by main industrial grouping and by Member State

The increase of 0.2% in industrial production in the **euro area** in October 2017, compared with September 2017, is due to production of non-durable consumer goods rising by 0.5% and energy by 0.1%, while production of intermediate goods remained stable, capital goods fell by 0.3% and durable consumer goods by 1.9%.

In the **EU28**, the increase of 0.3% is due to production of non-durable consumer goods rising by 0.7% and intermediate goods by 0.2%, while production of both energy and capital goods fell by 0.2% and durable consumer goods by 1.7%.

Among Member States for which data are available, the highest increases in industrial production were registered in **Ireland** (+10.6%), **Denmark** (+2.8%) and **Croatia** (+2.7%), and the largest decreases in **Malta** (-6.1%), **Portugal** (-2.3%) and the **Netherlands** (-1.8%).

Annual comparison by main industrial grouping and by Member State

The increase of 3.7% in industrial production in the **euro area** in October 2017, compared with October 2016, is due to production of non-durable consumer goods rising by 5.7%, intermediate goods by 5.0%, durable consumer goods by 3.7% and capital goods by 3.3%, while production of energy fell by 2.2%.

In the **EU28**, the increase of 4.2% is due to production of intermediate goods rising by 5.3%, non-durable consumer goods by 4.7%, capital goods by 4.2% and durable consumer goods by 3.5%, while production of energy fell by 0.3%.

Among Member States for which data are available, the highest increases in industrial production were registered in **Ireland** (+13.4%), **Slovenia** (+10.7%), **Poland** (+10.0%) and **Romania** (+9.1%). Decreases were observed in **Denmark** (-2.3%), **Malta** (-1.4%) and the **Netherlands** (-0.4%).

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 170/2017 of 14 November 2017, the monthly percentage change for September 2017 has been revised from -0.6% to -0.5% in the euro area and remains unchanged at -0.5% in the EU28. The annual percentage change has been revised from +3.3% to +3.4% in the euro area and remains unchanged at +3.6% 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*

	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17
EA19						
Total industry	1.3	-0.5	0.3	1.5	-0.5	0.2
Intermediate goods	0.6	0.0	0.6	1.2	-0.5	0.0
Energy	0.6	0.9	-1.2	0.6	-0.5	0.1
Capital goods	2.3	-1.9	1.0	3.4	-1.6	-0.3
Durable consumer goods	1.8	-1.4	0.8	1.5	-0.4	-1.9
Non-durable consumer goods	1.3	-0.3	0.6	0.1	0.3	0.5
EU28						
Total industry	1.4	-0.5	-0.2	1.7	-0.5	0.3
Intermediate goods	0.6	-0.3	0.6	1.1	-0.2	0.2
Energy	0.5	0.8	-1.1	1.0	-0.2	-0.2
Capital goods	2.1	-1.5	0.4	3.4	-1.5	-0.2
Durable consumer goods	1.9	-0.9	0.1	1.4	0.2	-1.7
Non-durable consumer goods	1.2	-0.3	0.1	0.5	-0.2	0.7

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

Total industry	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17
EA19	1.3	-0.5	0.3	1.5	-0.5	0.2
EU28	1.4	-0.5	-0.2	1.7	-0.5	0.3
Belgium	0.3	1.8	2.7	-0.8	-1.0	:
Bulgaria	2.5	-1.8	0.4	-0.3	0.3	-0.7
Czech Republic	2.9	-3.3	-9.4	13.4	0.0	-1.5
Denmark	1.9	-2.7	-2.2	3.5	-4.0	2.8
Germany	1.4	-1.0	-0.1	3.0	-1.2	-1.4
Estonia	-1.1	0.3	-3.2	0.0	2.8	1.7
Ireland	2.9	-7.4	1.4	1.3	1.8	10.6
Greece	0.6	-0.5	0.4	2.9	-3.1	1.3
Spain	1.7	-0.2	-0.2	1.1	0.0	0.6
France	1.9	-1.2	0.9	-0.2	0.8	1.8
Croatia	2.7	0.7	-1.2	0.3	1.4	2.7
Italy	0.6	1.1	0.1	1.1	-1.3	0.5
Cyprus	1.6	0.0	2.1	-0.8	-0.8	:
Latvia	2.0	-0.4	0.1	1.4	1.4	0.0
Lithuania	3.8	0.5	-0.3	3.4	-0.4	-1.0
Luxembourg	-0.6	2.3	0.0	-0.2	-0.5	2.3**
Hungary	2.1	-1.3	-4.2	5.6	-0.8	1.2
Malta	0.9	-2.6	-2.5	6.6	-0.4	-6.1
Netherlands	0.6	1.4	-0.7	-2.0	3.1	-1.8
Austria	0.1	0.5	1.3	0.8	-0.9	:
Poland	1.2	0.5	-1.0	3.1	-1.2	1.7
Portugal	5.1	-0.1	2.3	4.5	-5.7	-2.3
Romania	3.3	-1.6	-1.2	1.5	-0.6	1.0
Slovenia	1.6	-0.6	0.7	1.3	2.2	0.4
Slovakia	3.6	-0.5	-3.1	2.4	0.8	:
Finland	2.1	-0.7	0.4	-0.2	0.1	-0.3
Sweden	2.3	0.7	-1.1	-1.7	1.9	0.8
United Kingdom	0.2	0.4	0.4	0.3	0.7	0.0
Norway	-0.5	0.4	1.0	-0.2	-1.6	-1.4

* Calendar and seasonally adjusted

** Estimated by Member State

: Data not available

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

Industrial production

% change compared with same month of the previous year*

	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17
EA19						
Total industry	4.1	2.9	3.7	3.9	3.4	3.7
Intermediate goods	4.1	4.3	5.0	5.3	4.6	5.0
Energy	1.6	4.8	1.7	0.1	-0.8	-2.2
Capital goods	5.5	1.5	4.5	5.1	4.4	3.3
Durable consumer goods	6.8	3.7	5.4	3.0	7.5	3.7
Non-durable consumer goods	2.8	0.9	0.6	2.5	1.5	5.7
EU28						
Total industry	4.2	3.1	3.4	4.1	3.6	4.2
Intermediate goods	5.2	4.3	4.9	5.2	4.6	5.3
Energy	0.9	3.4	0.2	0.6	0.5	-0.3
Capital goods	6.4	2.7	4.8	5.7	4.7	4.2
Durable consumer goods	6.5	3.7	4.5	3.2	7.0	3.5
Non-durable consumer goods	2.9	1.6	0.6	2.4	1.7	4.7

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

Total industry	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17
EA19	4.1	2.9	3.7	3.9	3.4	3.7
EU28	4.2	3.1	3.4	4.1	3.6	4.2
Belgium	4.2	4.7	5.0	4.6	6.0	:
Bulgaria	9.5	3.3	4.6	4.1	3.4	2.8
Czech Republic	10.9	3.1	4.0	5.8	7.5	5.3
Denmark	4.9	1.2	-4.5	1.5	3.5	-2.3
Germany	4.7	2.4	4.1	4.6	4.0	2.5
Estonia	11.4	12.0	4.6	4.5	4.5	6.2
Ireland	6.7	-7.9	-8.9	0.6	-1.3	13.4
Greece	6.6	2.3	2.4	6.1	3.4	0.5
Spain	3.8	2.9	2.1	2.6	3.5	4.2
France	3.0	2.3	3.7	1.3	3.2	5.7
Croatia	3.6	4.2	2.5	3.2	3.1	4.3
Italy	2.7	5.2	4.6	5.8	2.2	3.1
Cyprus	7.8	5.0	8.5	6.8	6.2	:
Latvia	10.4	7.8	8.9	12.5	12.9	0.3
Lithuania	7.3	8.2	5.3	13.2	8.1	3.6
Luxembourg	-0.4	0.4	1.7	5.1	1.2	6.6**
Hungary	6.4	6.6	0.2	6.8	8.0	7.6
Malta	5.7	2.3	-1.2	7.0	5.6	-1.4
Netherlands	2.4	3.8	4.2	-0.5	1.7	-0.4
Austria	2.9	4.7	6.6	6.0	4.8	:
Poland	6.8	6.9	6.4	8.8	6.7	10.0
Portugal	5.8	4.0	5.6	8.6	3.5	3.5
Romania	14.7	11.8	7.6	10.1	6.8	9.1
Slovenia	8.8	6.8	6.5	8.2	10.0	10.7
Slovakia	5.1	3.2	9.2	-0.4	2.4	:
Finland	6.6	3.7	3.6	5.3	3.0	1.9
Sweden	7.4	9.2	6.1	6.8	2.0	5.7
United Kingdom	0.3	0.8	1.0	2.0	3.1	3.9
Norway	0.5	5.5	0.5	6.9	12.4	-1.9

* Calendar adjusted

** Estimated by Member State

: Data not available

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

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

	10/16	11/16	12/16	01/17	02/17	03/17	04/17	05/17	06/17	07/17	08/17	09/17	10/17
EA19	105.1	106.9	105.9	106.0	105.9	106.3	106.6	108.0	107.5	107.8	109.4	108.8	109.0
EU28	105.7	107.5	107.0	107.0	107.0	107.4	107.5	109.0	108.5	108.3	110.1	109.6	109.9
Belgium	108.0	109.3	113.8	108.5	112.2	110.5	110.4	110.7	112.7	115.7	114.8	113.6	:
Bulgaria	113.0	114.1	116.0	112.4	116.7	117.9	117.0	119.9	117.8	118.3	118.0	118.3	117.5
Czech Republic	120.2	122.0	119.8	124.4	124.9	124.5	125.8	129.4	125.1	113.4	128.6	128.6	126.7
Denmark	110.8	112.0	113.0	108.1	109.7	112.2	109.3	111.4	108.4	106.0	109.7	105.3	108.2
Germany	110.4	111.1	108.9	110.7	111.3	111.4	112.3	113.9	112.8	112.7	116.1	114.7	113.1
Estonia	138.9	140.9	139.1	140.4	142.9	146.2	147.0	145.4	145.8	141.1	141.1	145.1	147.6
Ireland	152.9	176.7	159.7	163.4	144.2	144.5	156.7	161.3	149.4	151.5	153.5	156.3	172.8
Greece	93.6	92.7	95.1	97.3	96.7	95.6	92.6	93.2	92.7	93.1	95.8	92.8	94.0
Spain	95.8	97.4	97.1	97.4	97.2	97.0	96.8	98.4	98.2	98.0	99.1	99.1	99.7
France	100.4	103.3	101.9	102.0	100.2	102.6	101.9	103.8	102.6	103.5	103.3	104.1	106.0
Croatia	101.3	103.8	107.7	101.8	100.9	101.5	98.9	101.6	102.3	101.1	101.4	102.8	105.6
Italy	94.1	94.8	96.2	94.1	95.0	95.5	95.2	95.8	96.9	97.0	98.1	96.8	97.3
Cyprus	81.3	81.0	83.3	83.8	84.5	85.6	83.4	84.7	84.7	86.5	85.8	85.1	:
Latvia	126.7	130.2	130.7	127.6	131.8	133.1	132.8	135.5	135.0	135.2	137.1	139.0	139.0
Lithuania	125.9	126.7	128.2	128.7	129.7	124.7	125.1	129.9	130.5	130.1	134.5	134.0	132.6
Luxembourg	95.8	97.0	102.0	93.7	96.5	100.4	99.2	98.6	100.9	100.9	100.7	100.2	102.5*
Hungary	121.9	123.1	124.0	124.3	128.0	129.0	128.1	130.8	129.1	123.7	130.6	129.6	131.1
Malta	96.6	97.9	99.7	100.7	102.7	99.9	100.3	101.2	98.6	96.1	102.4	102.0	95.8
Netherlands	95.3	97.8	97.5	97.0	97.1	94.0	94.9	95.5	96.8	96.1	94.2	97.1	95.4
Austria	114.9	116.6	115.7	112.7	116.4	117.1	117.3	117.4	118.0	119.5	120.4	119.3	:
Poland	122.7	125.2	127.2	127.2	128.2	130.6	129.1	130.7	131.4	130.1	134.1	132.5	134.8
Portugal	98.3	100.2	101.6	101.9	100.0	103.3	98.4	103.4	103.3	105.7	110.5	104.2	101.8
Romania	133.7	135.1	137.3	136.9	138.7	142.5	143.3	148.0	145.6	143.9	146.0	145.1	146.5
Slovenia	115.7	117.3	119.4	116.6	120.8	122.2	121.3	123.2	122.4	123.2	124.8	127.5	128.0
Slovakia	139.5	140.7	142.0	142.4	140.9	146.1	138.3	143.3	142.6	138.2	141.5	142.7	:
Finland	97.2	97.2	96.5	96.9	96.5	97.7	97.7	99.8	99.1	99.5	99.3	99.4	99.1
Sweden	98.3	99.7	99.0	101.8	102.0	102.4	101.1	103.4	104.1	103.0	101.2	103.1	103.9
United Kingdom	98.9	101.0	102.1	101.7	100.9	100.3	100.4	100.6	101.0	101.4	101.7	102.4	102.4
Norway	98.5	97.6	95.2	98.6	98.1	98.0	98.7	98.2	98.6	99.6	99.4	97.8	96.4

* Estimated by Member State

: Data not available

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

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

	10/14	10/15	10/16	11/16	12/16	01/17	02/17	03/17	04/17	05/17	06/17	07/17	08/17	09/17	10/17
EA19	106.5	109.4	110.3	112.2	101.3	101.7	103.8	114.3	105.3	107.7	110.6	109.6	92.8	112.7	114.4
EU28	107.0	110.2	110.8	112.9	103.1	103.2	104.7	115.5	106.4	108.9	111.2	108.2	95.8	113.3	115.4
Belgium	110.1	111.6	113.9	110.6	112.0	106.0	110.3	120.6	110.2	109.2	118.7	107.8	104.9	119.1	:
Bulgaria	113.3	114.7	117.7	122.4	122.5	106.8	111.1	119.9	113.0	114.3	119.7	122.0	113.7	118.0	121.0
Czech Republic	118.4	125.7	127.2	130.1	111.7	119.0	120.8	133.3	126.3	131.3	130.0	106.9	119.1	132.3	134.0
Denmark	113.5	111.6	120.3	120.5	109.0	107.9	105.0	116.1	105.5	111.4	111.3	92.0	108.1	111.2	117.5
Germany	112.8	113.2	114.8	118.1	102.9	103.7	108.1	120.0	111.1	111.2	114.8	113.6	108.2	119.5	117.7
Estonia	142.1	143.3	149.7	146.9	130.8	134.0	134.2	154.4	147.8	151.9	146.5	128.8	138.8	150.7	159.0
Ireland**	122.2	163.6	155.9	183.6	153.7	171.0	137.2	147.3	158.1	156.8	150.8	153.3	140.7	160.5	176.8
Greece	86.7	85.2	91.3	89.9	92.1	89.5	95.1	96.8	91.8	94.9	99.5	103.0	92.9	95.4	91.8
Spain	95.1	99.9	100.0	101.4	89.8	94.9	96.2	103.5	94.6	103.3	102.7	103.3	78.6	102.2	104.2
France	104.1	108.0	106.0	105.7	101.4	103.2	99.9	112.7	103.1	99.4	108.5	101.6	79.2	107.2	112.0
Croatia	96.5	103.0	104.8	110.0	109.3	92.3	94.6	106.9	99.1	105.4	100.9	104.9	90.5	104.3	109.3
Italy	98.1	101.0	102.3	99.1	85.5	88.1	95.7	104.0	93.1	103.1	101.0	111.1	65.4	101.9	105.5
Cyprus	72.9	75.4	81.2	76.4	82.3	74.7	77.4	85.0	81.4	88.8	92.5	105.4	77.4	88.0	:
Latvia	129.0	131.5	140.7	139.9	130.7	108.4	110.8	133.6	134.0	140.2	137.9	135.2	139.0	141.1	141.1
Lithuania	123.3	131.5	133.0	132.7	129.9	125.9	126.6	126.5	118.2	130.1	131.3	127.7	133.5	136.3	137.8
Luxembourg	106.0	107.1	103.1	99.0	96.8	88.4	94.1	110.1	100.0	99.1	103.9	102.7	86.4	102.3	109.9*
Hungary	118.0	132.6	130.1	135.1	114.9	119.3	123.8	135.1	127.1	132.0	133.8	120.8	117.6	138.5	140.0
Malta	100.1	106.7	99.4	96.6	87.2	95.5	98.7	107.8	101.1	103.3	104.2	101.2	96.5	107.4	98.0
Netherlands	98.2	96.1	97.8	107.8	107.7	107.6	102.3	102.1	92.4	90.8	93.4	84.5	78.4	93.5	97.4
Austria	112.6	117.2	120.2	124.3	115.9	99.9	108.9	126.4	116.9	115.2	121.2	120.1	108.4	126.1	:
Poland	124.4	130.5	131.6	130.5	123.5	121.5	122.0	139.1	128.1	128.5	132.8	125.5	127.7	138.6	144.7
Portugal	97.5	102.5	99.4	102.5	92.7	103.4	99.7	107.7	97.7	108.0	106.8	111.0	92.6	105.6	102.9
Romania	137.8	141.2	144.0	143.9	129.7	131.2	133.7	151.9	136.1	153.4	147.3	145.5	129.0	151.5	157.1
Slovenia	109.3	113.4	122.2	121.7	108.5	111.5	117.7	133.5	119.6	127.1	128.3	123.7	106.0	135.1	135.3
Slovakia	135.8	144.4	149.4	151.3	129.5	134.1	140.2	158.4	136.4	149.0	150.9	122.6	132.8	146.0	:
Finland	108.9	107.1	111.7	109.2	107.4	75.2	80.4	97.8	89.9	107.6	101.0	94.7	97.1	108.2	113.8
Sweden	100.1	106.7	105.5	106.3	99.2	98.1	100.0	112.2	103.8	104.2	108.7	84.1	89.4	107.1	111.5
United Kingdom	100.3	102.2	100.7	104.5	103.1	101.4	99.6	109.0	100.2	101.3	101.2	98.4	95.6	103.1	104.6
Norway	106.0	102.7	103.4	102.4	97.2	104.4	96.7	103.4	97.0	97.3	94.1	88.4	96.7	94.6	101.4

* Estimated by Member State

** 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](#).