

December 2011 compared with November 2011

Industrial production down by 1.1% in euro area

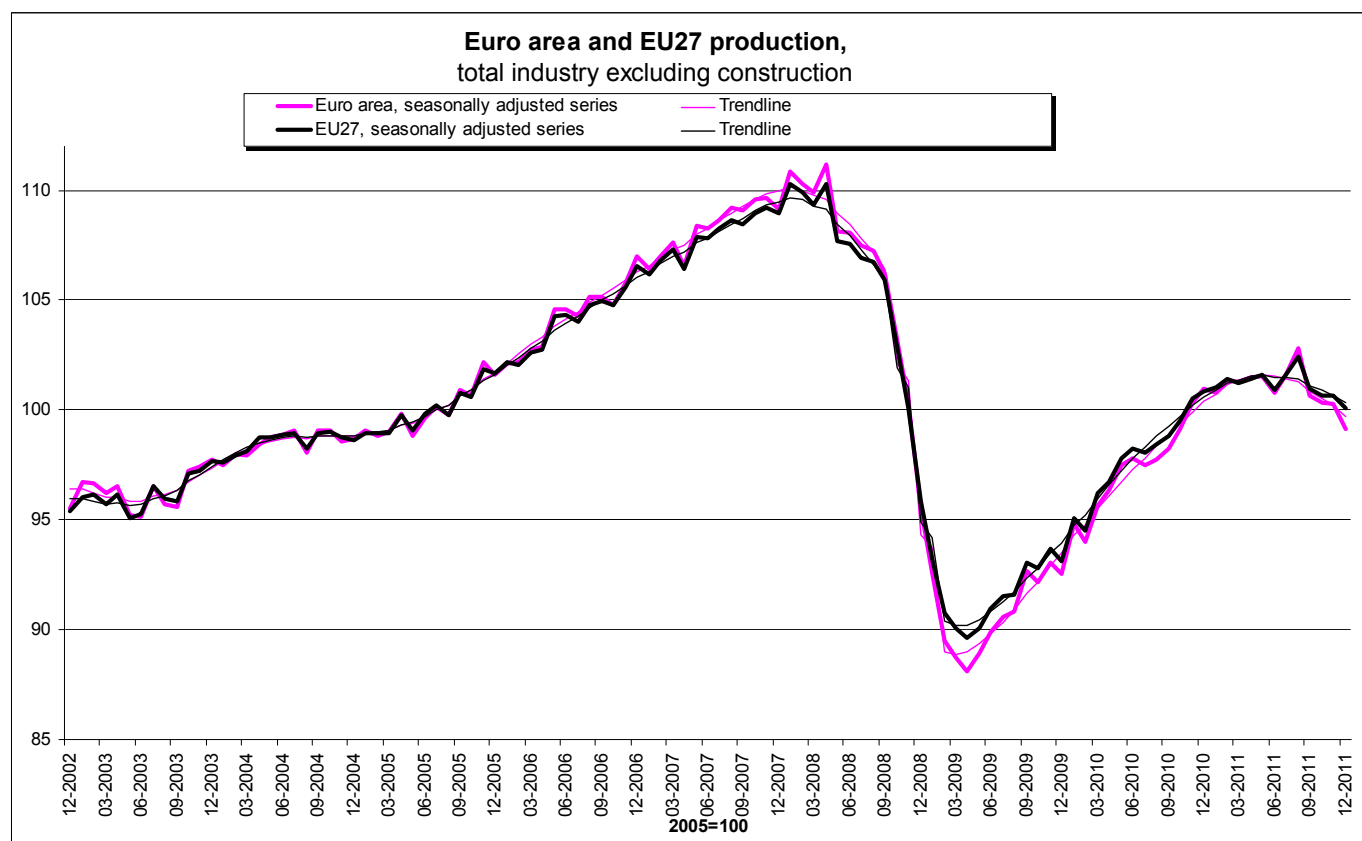
Down by 0.6% in EU27

In December 2011 compared with November 2011, seasonally adjusted industrial production¹ fell by 1.1% in the **euro area**² (EA17) and by 0.6% in the **EU27**². In November³ production remained stable in both zones.

In December 2011 compared with December 2010, industrial production dropped by 2.0% in the **euro area** and by 0.9% in the **EU27**.

Compared with 2010, the average production index for 2011 increased by 3.5% in the **euro area** and by 3.3% in the **EU27**.

These estimates are released by **Eurostat, the statistical office of the European Union**.



Monthly comparison

In December 2011 compared with November 2011, production of energy fell by 2.0% in the **euro area** and by 1.2% in the **EU27**. Capital goods decreased by 0.8% and 0.1% respectively. Intermediate goods dropped by 0.7% in the **euro area** and by 0.2% in the **EU27**. Non-durable consumer goods remained stable in the **euro area** and rose by 0.4% in the **EU27**. Production of durable consumer goods increased by 0.2% and 0.4% respectively.

Among the Member States for which data are available, industrial production fell in twelve and rose in eleven. The largest decreases were registered in **Malta** (-2.9%), **Germany** (-2.7%), **Greece** and **Latvia** (both -2.4%), and the highest increases in **Denmark** (+3.3%), **Finland** (+2.6%) and **Ireland** (+2.5%).

Annual comparison

In December 2011 compared with December 2010, production of energy fell by 11.9% in the **euro area** and by 10.6% in the **EU27**. Durable consumer goods decreased by 3.9% and 0.7% respectively. Non-durable consumer goods dropped by 0.8% in the **euro area**, but rose by 0.8% in the **EU27**. Intermediate goods fell by 0.5% in the **euro area**, but grew by 0.5% in the **EU27**. Capital goods increased by 0.8% and 2.3% respectively.

Among the Member States for which data are available, industrial production fell in fifteen and rose in eight. The highest decreases were registered in **Greece** (-12.4%), **Luxembourg** (-9.6%) and **Portugal** (-8.9%), and the largest increases in **Poland** (+10.0%), the **Czech Republic** (+4.4%) and **Latvia** (+3.2%).

1. Total industry excluding construction. According to the Council Regulation 1165/98 Eurostat publishes national seasonally adjusted data if available. For the other Member States (Greece, Spain, Cyprus, Malta and Luxembourg) Eurostat performs the adjustment. This means that different methodologies are used to make the seasonal adjustment of the national series. The seasonally adjusted euro area and EU series are calculated by aggregating the working day adjusted series from individual Member States and performing an adjustment for seasonal effects on these series. Therefore the seasonally adjusted figures for total industry (excluding construction) are based directly on the working day adjusted series coming from the Member States and **not on an aggregation of the seasonally adjusted indices from the Member States**. The euro area and EU seasonally adjusted growth rates might differ from the weighted growth rates of the individual Member States (see Methodology of the industrial production index). This procedure also implies that the aggregation of the overall figures is not based on the published details (intermediate, capital, durable, non-durable goods, energy). Missing observations from Member States are estimated for the calculation of the euro area and the EU aggregates. The weights of the Member States in the EU and euro area aggregates can be found at: http://circa.europa.eu/Public/irc/dsis/ebt/library?l=sts_weights_public/weights_for_2000&vm=detailed&sb=Title
See file: EU_EA17_NEWS_RELEASE_WEIGHTINGS_2005_nace2 (NR ind_production)
More detailed data can be found in the short-term statistics database on the Eurostat website: http://epp.eurostat.ec.europa.eu/portal/page/portal/short_term_business_statistics/data/database
2. The euro area (EA17) includes Belgium, Germany, Estonia, Ireland, Greece, Spain, France, Italy, Cyprus, Luxembourg, Malta, the Netherlands, Austria, Portugal, Slovenia, Slovakia and Finland. The EU27 includes Belgium (BE), Bulgaria (BG), the Czech Republic (CZ), Denmark (DK), Germany (DE), Estonia (EE), Ireland (IE), Greece (EL), Spain (ES), France (FR), Italy (IT), Cyprus (CY), Latvia (LV), Lithuania (LT), Luxembourg (LU), Hungary (HU), Malta (MT), the Netherlands (NL), Austria (AT), Poland (PL), Portugal (PT), Romania (RO), Slovenia (SI), Slovakia (SK), Finland (FI), Sweden (SE) and the United Kingdom (UK).
3. Data of previous months have been revised compared with those issued in News Release 6/2012 of 12 January 2012. The monthly growth rates for November 2011 have been revised from -0.1% to 0.0% in both the euro area and the EU27. The annual growth rates have been revised from -0.3% to +0.1% in the euro area and from -0.2% to +0.2% in the EU27.

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Industrial production - monthly variation

% change compared with previous month*

	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
EA17						
Total industry	0.8	1.1	-2.1	-0.3	0.0	-1.1
Intermediate goods	0.5	1.4	-2.2	-0.9	0.5	-0.7
Energy	0.2	1.0	-1.8	-0.6	-0.2	-2.0
Capital goods	2.9	2.2	-4.0	0.8	0.2	-0.8
Durable consumer goods	3.4	-0.2	-3.5	-1.1	-0.5	0.2
Non-durable consumer goods	-0.7	1.5	-1.3	0.4	-0.8	0.0
EU27						
Total industry	0.6	0.9	-1.4	-0.4	0.0	-0.6
Intermediate goods	0.6	1.0	-1.6	-0.8	0.5	-0.2
Energy	-0.6	0.9	-1.7	-0.8	-0.6	-1.2
Capital goods	2.6	1.7	-2.9	0.5	0.3	-0.1
Durable consumer goods	2.4	-0.4	-1.8	-0.4	0.3	0.4
Non-durable consumer goods	-0.3	0.9	-0.6	0.2	-0.5	0.4

Total industry	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
EA17	0.8	1.1	-2.1	-0.3	0.0	-1.1
EU27	0.6	0.9	-1.4	-0.4	0.0	-0.6
Belgium	0.4	5.0	-1.8	-1.4	1.9	:
Bulgaria	1.1	-1.9	1.0	0.3	-0.5	-1.3
Czech Republic	-0.1	-0.3	-0.2	0.2	2.6	-0.9
Denmark	1.2	-2.5	-0.5	-0.2	-0.2	3.3
Germany	2.9	-0.3	-2.6	0.9	-0.3	-2.7
Estonia	4.9	-2.4	-8.9	2.4	-1.0	-0.6
Ireland	1.9	5.8	-4.5	8.0	-12.7	2.5
Greece	9.7	-3.5	-1.5	-6.0	1.0	-2.4
Spain	-0.6	1.1	-1.3	-1.3	-1.0	0.9
France	1.7	0.2	-2.1	0.2	1.1	-1.3
Italy	-0.6	3.6	-4.7	-0.8	0.3	1.4
Cyprus	-3.6	-1.4	0.9	-0.7	-1.5	:
Latvia	0.1	0.0	1.2	-0.9	0.8	-2.4
Lithuania	-0.5	-1.3	0.2	-2.8	0.4	0.5
Luxembourg	1.4	0.8	-4.3	-0.3	-2.0	0.4**
Hungary	0.8	-1.2	4.0	-0.9	4.2	:
Malta	-2.9	-0.1	-1.4	2.6	-3.3	-2.9
Netherlands	3.3	-1.2	-2.4	-0.6	-1.5	-1.3
Austria	-0.2	1.3	-2.0	0.3	-1.1	:
Poland	0.6	2.4	1.5	0.0	1.6	0.9
Portugal	-3.1	8.6	-5.9	0.6	-2.3	-1.6
Romania	1.7	1.5	-0.7	-0.1	0.2	-0.1
Slovenia	-1.7	1.4	1.7	-2.4	1.1	0.5
Slovakia	-3.3	1.8	3.1	0.8	-2.4	-0.3
Finland	0.2	2.0	-0.7	-1.4	1.0	2.6
Sweden	2.9	-2.9	1.9	-0.2	-2.6	1.2
United Kingdom	-0.4	0.2	-0.2	-1.1	-0.5	0.5
Norway	-1.8	3.5	-0.1	-2.0	0.9	-2.2

* Seasonally adjusted

** Estimated by Member State

: Data not available

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

	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
EA17						
Total industry	4.3	6.0	2.2	1.0	0.1	-2.0
Intermediate goods	4.2	5.4	2.2	0.4	-0.2	-0.5
Energy	-4.1	-2.1	-3.4	-5.0	-6.4	-11.9
Capital goods	11.8	13.1	6.0	4.9	4.8	0.8
Durable consumer goods	4.2	3.0	-1.0	-3.1	-3.1	-3.9
Non-durable consumer goods	-0.7	2.8	0.4	0.8	-1.3	-0.8
EU27						
Total industry	3.6	4.7	2.1	1.0	0.2	-0.9
Intermediate goods	3.8	4.6	2.2	0.5	-0.1	0.5
Energy	-5.7	-3.2	-4.6	-5.7	-7.0	-10.6
Capital goods	11.2	11.2	6.2	5.0	5.0	2.3
Durable consumer goods	1.8	0.2	-1.8	-3.0	-1.5	-0.7
Non-durable consumer goods	-0.2	2.5	0.7	1.0	-0.7	0.8

Total industry	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
EA17	4.3	6.0	2.2	1.0	0.1	-2.0
EU27	3.6	4.7	2.1	1.0	0.2	-0.9
Belgium	4.1	10.7	4.8	2.9	3.8	:
Bulgaria	6.6	1.1	1.4	2.5	1.2	-0.6
Czech Republic	6.3	3.5	1.7	1.7	5.4	4.4
Denmark	0.3	4.8	-3.0	-0.6	-0.3	2.9
Germany	10.4	8.5	5.4	4.1	4.1	-0.7
Estonia	24.4	22.3	6.3	2.3	0.9	-2.6
Ireland	-4.9	11.7	0.5	11.9	-7.3	-5.2
Greece	-2.7	-12.2	-1.9	-14.1	-8.3	-12.4
Spain	-2.4	0.0	-1.4	-4.2	-7.0	-3.7
France	3.3	4.7	1.2	1.4	1.1	-2.2
Italy	-1.1	4.7	-2.7	-4.0	-4.1	-1.7
Cyprus	-11.4	-16.2	-11.9	-9.8	-11.2	:
Latvia	8.6	6.8	9.6	5.1	8.5	3.2
Lithuania	7.7	6.6	9.5	-1.4	1.1	-0.7
Luxembourg	-0.2	-0.5	-5.9	-5.2	-11.3	-9.6**
Hungary	2.7	-0.4	3.0	3.0	3.5	:
Malta	-4.3	-3.3	-3.2	2.0	-4.1	-8.7
Netherlands	3.8	2.3	2.1	-2.4	-5.3	-6.6
Austria	7.2	7.0	4.8	4.5	2.5	:
Poland	3.8	5.5	7.5	7.1	9.8	10.0
Portugal	-4.4	-1.5	-2.0	0.2	-3.2	-8.9
Romania	4.0	7.8	5.7	4.8	3.4	1.9
Slovenia	1.4	-1.3	2.7	0.8	0.9	-2.9
Slovakia	5.0	4.2	7.4	7.8	0.4	0.9
Finland	0.0	1.5	-0.4	-4.9	-2.3	1.5
Sweden	5.9	4.1	6.6	5.9	-1.2	2.2
United Kingdom	-1.0	-1.4	-1.6	-2.9	-3.7	-2.7
Norway	-4.3	6.1	4.2	-5.6	-1.2	-5.0

* Working day adjusted

** Estimated by Member State

: Data not available

**Production indices for total industry excluding construction
seasonally adjusted
(base year 2005)**

	12/10	01/11	02/11	03/11	04/11	05/11	06/11	07/11	08/11	09/11	10/11	11/11	12/11
EA17	100.9	100.8	101.4	101.3	101.5	101.5	100.8	101.6	102.8	100.7	100.3	100.3	99.1
EU27	100.8	101.1	101.4	101.2	101.4	101.6	100.9	101.6	102.4	101.0	100.6	100.7	100.1
BE	119.3	119.8	122.3	123.8	121.3	127.3	121.3	121.7	127.8	125.5	123.7	126.1	:
BG	100.7	103.0	101.4	102.6	104.3	103.0	102.3	103.4	101.4	102.4	102.7	102.2	100.9
CZ	116.0	119.7	119.5	118.1	118.7	121.4	119.7	119.6	119.2	118.9	119.2	122.2	121.2
DK	87.0	90.1	86.4	87.7	90.9	93.9	89.3	90.4	88.1	87.7	87.5	87.3	90.2
DE	109.1	108.7	110.0	111.1	111.1	112.0	111.2	114.4	114.1	111.1	112.1	111.8	108.8
EE	117.0	120.7	120.6	124.9	123.7	119.0	121.3	127.2	124.1	113.0	115.7	114.6	113.9
IE	112.4	111.3	109.4	107.9	109.1	109.4	107.7	109.7	116.1	110.9	119.8	104.6	107.2
EL	82.1	80.5	79.6	78.6	76.0	76.2	74.2	81.4	78.5	77.3	72.6	73.4	71.6
ES	84.6	85.3	85.5	84.2	84.1	84.4	83.5	83.0	83.9	82.8	81.8	81.0	81.7
FR	92.8	93.2	93.6	92.7	91.8	93.4	91.9	93.5	93.7	91.7	91.9	92.9	91.7
IT	89.4	87.9	88.9	89.3	90.0	89.3	88.7	88.2	91.4	87.1	86.4	86.7	87.9
CY	95.7	94.2	95.5	93.9	92.9	93.9	91.7	88.3	87.1	87.8	87.2	85.9	:
LV	103.2	100.9	101.7	103.8	106.0	106.6	108.3	108.4	108.4	109.6	108.6	109.4	106.9
LT	111.2	113.8	113.3	107.8	106.6	113.2	116.4	115.8	114.3	114.5	111.3	111.8	112.4
LU	90.8	89.6	90.1	89.3	88.1	87.8	86.4	87.6	88.3	84.6	84.3	82.6	83.0*
HU	99.2	115.0	116.3	111.9	112.7	112.0	111.4	112.3	110.9	115.3	114.3	119.1	:
MT	102.7	108.2	107.4	105.4	105.5	103.6	103.5	100.4	100.4	98.9	101.5	98.2	95.3
NL	106.2	105.1	104.6	104.6	103.1	103.3	103.1	106.5	105.2	102.7	102.1	100.6	99.3
AT	113.9	117.8	116.7	116.6	118.5	117.5	118.7	118.5	120.0	117.6	118.0	116.7	:
PL	137.5	138.7	140.2	139.5	141.9	143.7	140.2	141.1	144.5	146.7	146.7	149.1	150.5
PT	94.4	90.8	92.9	93.6	90.0	92.9	90.0	87.2	94.7	89.1	89.6	87.5	86.1
RO	129.9	131.0	130.8	129.2	129.8	130.5	128.3	130.5	132.5	131.6	131.5	131.8	131.7
SI	107.8	102.6	104.4	106.9	103.6	107.1	104.2	102.4	103.8	105.6	103.1	104.2	104.7
SK	151.3	154.0	150.0	151.1	152.8	157.0	153.3	148.3	151.0	155.7	157.0	153.3	152.9
FI	103.3	100.4	101.8	101.6	102.2	104.4	100.3	100.5	102.5	101.8	100.4	101.4	104.0
SE	96.7	98.0	101.0	100.7	100.1	100.5	98.4	101.3	98.4	100.3	100.1	97.5	98.7
UK	91.3	91.4	90.2	90.3	88.8	89.5	89.7	89.3	89.5	89.3	88.3	87.8	88.3
NO	88.3	85.9	85.0	84.3	82.7	79.7	85.1	83.6	86.5	86.4	84.7	85.5	83.6

: Data not available

* Estimated by Member State

Production indices for total industry excluding construction
working day adjusted
(base year 2005)

	12/08	12/09	12/10	01/11	02/11	03/11	04/11	05/11	06/11	07/11	08/11	09/11	10/11	11/11	12/11
EA17	91.7	88.5	96.2	96.8	99.3	108.7	100.1	101.9	103.5	103.3	85.4	104.6	106.6	105.8	94.3
EU27	92.8	89.7	97.0	97.4	98.9	108.3	100.1	102.1	103.4	101.3	87.8	104.7	106.6	106.1	96.2
BE	103.9	105.8	115.1	120.7	122.3	134.0	125.9	129.8	129.5	113.4	119.7	130.5	128.6	129.3	:
BG	117.6	101.8	107.1	94.9	95.0	105.3	101.9	103.5	105.3	108.2	99.4	105.0	107.6	108.6	106.5
CZ	103.6	103.6	113.4	116.3	114.0	124.4	120.5	128.9	125.8	113.1	110.1	128.4	129.7	138.8	118.3
DK	96.2	79.3	85.2	91.0	83.3	91.4	87.6	94.7	92.3	76.8	85.9	91.8	93.5	93.7	87.7
DE	96.1	91.5	104.0	102.3	106.3	118.4	109.8	109.9	112.9	114.4	105.5	116.5	118.2	119.4	103.3
EE	93.6	86.9	117.4	116.6	115.4	132.7	124.7	124.9	126.2	116.6	126.0	116.9	124.3	119.6	114.3
IE	93.8	88.5	100.2	115.5	112.5	116.8	113.3	115.5	113.5	101.8	109.9	108.0	118.6	101.3	95.0
EL	90.4	84.2	80.4	73.2	77.7	78.4	72.7	77.2	77.9	89.0	73.2	83.2	70.5	73.9	70.4
ES	79.1	78.0	77.8	83.9	84.2	90.9	84.8	85.2	87.9	89.4	63.1	84.3	83.7	84.2	74.9
FR	91.3	88.2	93.9	95.0	93.3	100.3	90.1	89.2	96.4	93.4	69.6	96.0	99.8	97.1	91.8
IT	78.3	73.1	77.7	81.8	89.8	97.4	89.6	96.8	93.0	98.9	53.8	92.5	93.9	90.9	76.4
CY	107.5	97.4	95.3	82.4	88.1	98.0	100.2	102.5	104.1	97.8	66.0	89.9	87.2	83.7	:
LV	94.0	88.8	103.5	93.4	93.1	101.8	106.6	105.9	108.6	106.3	110.9	112.1	119.5	115.5	106.8
LT	108.8	101.2	115.0	111.0	109.3	109.0	105.0	111.6	116.0	112.8	113.8	115.8	116.9	115.8	114.2
LU	67.8	77.6	82.9	90.3	87.0	94.0	89.9	92.8	88.2	89.5	76.3	84.7	90.4	83.8	75.0*
HU	96.7	95.8	100.8	105.9	108.7	116.8	109.2	111.8	113.4	107.4	101.3	122.0	126.1	131.8	:
MT	95.8	95.7	93.6	103.9	102.8	108.9	108.3	105.8	107.9	107.7	93.9	100.6	107.3	96.9	85.5
NL	108.0	110.9	116.4	115.8	109.1	115.8	98.8	96.1	97.7	94.6	89.0	98.3	106.6	109.8	108.7
AT	109.1	105.9	115.0	103.2	109.0	125.5	115.5	114.9	120.8	118.4	106.9	126.0	126.4	126.3	:
PL	114.3	120.0	132.6	129.9	131.7	147.0	140.5	144.4	143.0	136.2	137.7	155.7	156.6	155.7	145.9
PT	88.8	86.9	90.8	93.1	90.0	96.6	88.5	95.4	89.9	93.0	74.4	91.7	94.8	91.6	82.7
RO	100.5	107.3	117.2	116.9	122.3	135.1	126.7	140.0	133.4	133.2	120.6	138.2	142.3	140.4	119.4
SI	88.3	90.3	100.2	99.4	99.0	112.9	103.9	112.0	107.6	101.1	87.9	109.8	110.3	111.5	97.3
SK	104.1	116.6	139.7	145.7	142.1	159.4	151.8	163.8	155.4	135.6	140.1	162.0	170.8	169.0	141.0
FI	100.3	98.4	107.8	87.1	92.8	105.5	100.5	111.9	102.4	90.2	102.9	107.5	109.1	105.5	109.4
SE	97.0	91.7	102.1	95.6	101.1	108.5	103.3	105.2	106.1	80.3	86.1	104.6	102.7	100.2	104.3
UK	90.1	87.2	89.7	91.1	87.8	95.8	87.8	88.7	89.3	87.2	83.3	89.1	91.9	91.7	87.3
NO	101.4	94.8	92.3	93.2	86.3	89.8	79.0	78.6	77.6	73.5	83.2	82.6	89.4	92.4	87.7

: Data not available

* Estimated by Member State

Annex: A new seasonal adjustment methodology for short-term business statistics

In order to improve the consistency between European and national aggregates in short-term business statistics (STS), EU and euro area aggregates for the full time series of the volume of retail trade/industrial production/construction output/industrial new orders will be calculated using a revised seasonal adjustment methodology from reference month January 2012 onwards (to be published in March 2012).

For reference months up to and including December 2011 (released in February 2012), the method used by Eurostat consists in first aggregating the gross or working day adjusted national data to obtain European aggregates and then adjusting these aggregates for seasonal effects (direct seasonal adjustment). Starting with reference month January 2012 (to be released in March 2012), Eurostat will instead aggregate seasonally adjusted national time series to obtain European aggregates (geographically indirect seasonal adjustment). Eurostat will replace the full time series of the STS data in the online database with data adjusted according to the new method. After the change, the old time series will no longer be available.

The new method will guarantee the consistency of the European and the national aggregates. The differences between the two approaches are not significant for most European STS time series. The index levels and underlying trends are generally not affected, but individual month-on-month growth rates may change. Some time series will be shorter because of the lack of seasonally adjusted national data.

All STS time series of EU and euro area aggregates that are published in seasonally adjusted form in the online database will be concerned, in particular those disseminated in the news releases on **volume of retail trade, industrial production, construction output and industrial new orders**. STS series for prices, including **industrial producer prices**, are not seasonally adjusted and will not be affected by this change.

For more information on direct and indirect seasonal adjustment refer to:

http://epp.eurostat.ec.europa.eu/statistics_explained/index.php/Short-term_business_statistics_-_seasonal_adjustment_methods

ESS guidelines on seasonal adjustment:

http://epp.eurostat.ec.europa.eu/portal/page/portal/product_details/publication?p_product_code=KS-RA-09-006