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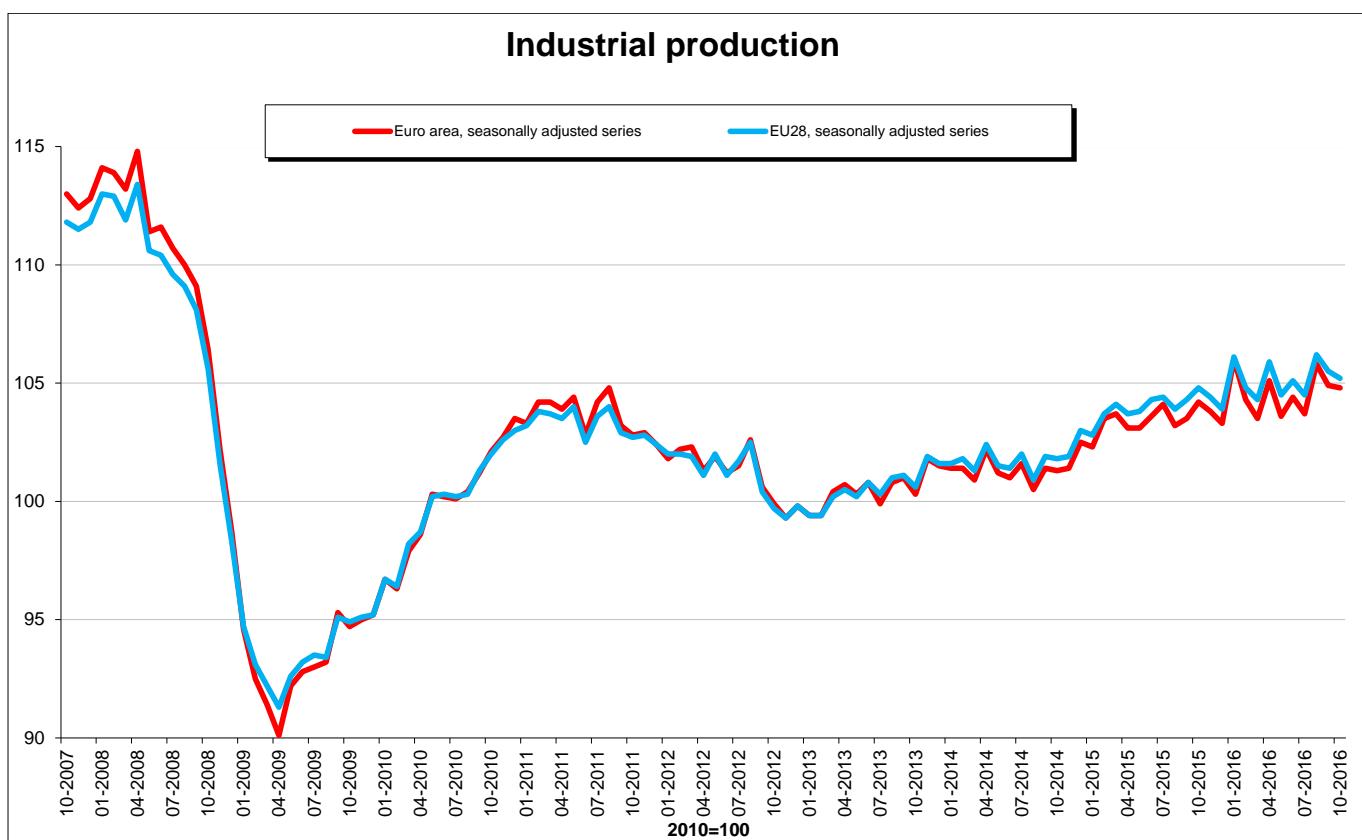
October 2016 compared with September 2016

Industrial production down by 0.1% in euro area

Down by 0.3% in EU28

In October 2016 compared with September 2016, seasonally adjusted industrial production fell by 0.1% 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 2016 industrial production fell by 0.9% in the **euro area** and by 0.7% in the **EU28**.

In October 2016 compared with October 2015, industrial production increased by 0.6% in the **euro area** and by 0.5% in the **EU28**.



Monthly comparison by main industrial grouping and by Member State

The decrease of 0.1% in industrial production in the **euro area** in October 2016, compared with September 2016, is due to production of non-durable consumer goods falling by 1.5% and intermediate goods by 0.5%, while production of energy rose by 0.8%, capital goods by 1.0% and durable consumer goods by 1.5%.

In the **EU28**, the decrease of 0.3% is due to production of non-durable consumer goods falling by 0.7% and intermediate goods by 0.5%, while production of energy rose by 0.1%, capital goods by 0.3% and durable consumer goods by 1.1%.

Among Member States for which data are available, the largest decreases in industrial production were registered in **Ireland** (-3.6%), **Sweden** (-2.9%) and **Luxembourg** (-2.2%), and the highest increases in **Denmark** (+4.7%), **Greece** (+4.5%), **Lithuania** (+2.7%) and **Latvia** (+2.5%).

Annual comparison by main industrial grouping and by Member State

The increase of 0.6% in industrial production in the **euro area** in October 2016, compared with October 2015, is due to production of energy rising by 2.2%, capital goods by 0.9% and intermediate goods by 0.6%, while production of non-durable consumer goods fell by 0.9% and durable consumer goods by 1.4%.

In the **EU28**, the increase of 0.5% is due to production of capital goods rising by 0.9%, intermediate goods by 0.6% and durable consumer goods by 0.4%, while production of energy fell by 0.1% and non-durable consumer goods by 0.7%.

Among Member States for which data are available, the highest increases in industrial production were registered in **Greece** (+7.0%), **Latvia** (+6.7%) and **Slovenia** (+6.6%), and the largest decreases in **Ireland** (-6.5%), **Malta** (-5.7%) and **Luxembourg** (-2.2%).

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 221/2016 of 14 November 2016, the monthly percentage change for September 2016 has been revised from -0.8% to -0.9% in the euro area and remains unchanged at -0.7% in the EU28. The annual percentage changes have been revised from +1.2% to +1.3% in both zones.

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-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16
EA19						
Total industry	-1.4	0.8	-0.7	2.0	-0.9	-0.1
Intermediate goods	-0.3	-0.4	-0.3	1.8	-0.7	-0.5
Energy	-2.7	-0.5	0.7	3.4	0.0	0.8
Capital goods	-2.3	1.6	-1.9	4.2	-2.1	1.0
Durable consumer goods	-1.8	0.9	-1.1	4.5	-5.5	1.5
Non-durable consumer goods	-0.2	0.9	0.5	-0.7	0.1	-1.5
EU28						
Total industry	-1.3	0.6	-0.6	1.6	-0.7	-0.3
Intermediate goods	-0.4	-0.2	-0.3	1.2	-0.1	-0.5
Energy	-2.2	-0.5	1.3	1.9	-0.7	0.1
Capital goods	-2.1	1.5	-2.3	4.2	-1.6	0.3
Durable consumer goods	-1.1	0.8	-0.9	2.9	-3.8	1.1
Non-durable consumer goods	-0.8	0.2	0.7	-0.5	-0.6	-0.7

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

Total industry	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16
EA19	-1.4	0.8	-0.7	2.0	-0.9	-0.1
EU28	-1.3	0.6	-0.6	1.6	-0.7	-0.3
Belgium	-1.6	1.6	2.7	-0.6	-1.1	:
Bulgaria	-1.7	3.9	-1.6	0.6	-0.3	0.4
Czech Republic	-0.1	2.2	-9.6	11.6	-1.7	-0.3
Denmark	0.2	-0.3	2.1	-0.9	-7.5	4.7
Germany	-1.2	1.2	-1.8	3.4	-1.8	0.1
Estonia	-3.1	-2.0	4.6	-0.5	4.8	-0.9
Ireland	-8.2	7.5	8.1	-13.2	6.8	-3.6
Greece	-4.2	4.0	-0.4	0.6	-1.9	4.5
Spain	-0.6	-0.1	-0.2	2.0	-1.3	0.3
France	-0.5	-0.9	-0.4	2.3	-1.5	-0.2
Croatia	-0.9	0.3	-0.5	-1.1	3.6	1.6
Italy	-0.6	-0.3	0.7	1.8	-0.8	0.0
Cyprus	-2.7	2.7	-0.1	-0.6	-2.8	:
Latvia	2.1	0.6	-2.1	-1.8	1.6	2.5
Lithuania	4.0	-0.5	-0.3	-0.4	3.7	2.7
Luxembourg	0.0	3.0	-1.3	-1.7	3.2	-2.2**
Hungary	-0.7	-2.4	-0.1	1.2	-3.0	1.9
Malta	0.1	-0.8	-0.3	1.5	0.9	-1.8
Netherlands	-5.3	1.7	-2.1	3.2	2.0	-1.4
Austria	-0.6	-0.2	-0.7	1.8	-0.2	:
Poland	-1.1	0.4	-1.5	2.1	-0.4	-0.9
Portugal	-3.8	1.9	-0.6	1.0	-2.1	2.2
Romania	-4.2	2.2	0.8	0.9	0.8	-0.7
Slovenia	0.7	0.5	1.1	-0.4	1.3	-0.5
Slovakia	-0.3	-1.0	-16.0	26.1	-3.9	-0.5
Finland	0.1	1.1	0.7	-2.8	2.8	-0.2
Sweden	-2.6	-1.0	1.3	-3.9	7.6	-2.9
United Kingdom	-0.7	0.0	0.1	-0.3	-0.4	-1.3
Norway	-0.3	-4.0	4.2	-4.7	-5.3	10.7

* 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-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16
EA19						
Total industry	0.4	0.8	-0.4	2.4	1.3	0.6
Intermediate goods	1.2	0.7	0.6	2.6	1.4	0.6
Energy	-1.2	-3.6	-4.7	2.0	1.7	2.2
Capital goods	-0.4	1.6	-1.2	3.5	1.2	0.9
Durable consumer goods	-1.0	0.5	1.3	4.3	-0.4	-1.4
Non-durable consumer goods	0.8	1.6	1.8	0.2	1.6	-0.9
EU28						
Total industry	0.9	0.7	0.1	2.3	1.3	0.5
Intermediate goods	1.1	0.6	0.7	2.6	1.7	0.6
Energy	-1.7	-3.2	-3.0	0.6	0.2	-0.1
Capital goods	0.4	1.8	-0.8	4.2	1.5	0.9
Durable consumer goods	0.7	0.9	1.8	4.5	0.7	0.4
Non-durable consumer goods	0.9	1.0	1.6	0.3	0.6	-0.7

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

Total industry	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16
EA19	0.4	0.8	-0.4	2.4	1.3	0.6
EU28	0.9	0.7	0.1	2.3	1.3	0.5
Belgium	1.5	5.5	7.0	6.1	4.5	:
Bulgaria	-3.4	3.9	2.3	2.5	3.5	2.9
Czech Republic	1.4	4.0	-7.3	7.9	2.8	0.8
Denmark	4.0	-1.5	7.0	0.5	-3.0	2.9
Germany	-0.2	1.1	-1.7	2.5	1.2	1.1
Estonia	-2.1	-3.6	2.2	0.9	6.0	4.6
Ireland	-0.7	1.7	5.1	-7.5	-0.4	-6.5
Greece	3.4	8.0	4.7	0.1	0.1	7.0
Spain	1.1	0.3	-0.9	4.4	0.1	0.3
France	0.9	-1.1	-0.2	0.5	-1.0	-1.8
Croatia	1.7	4.1	1.2	2.5	1.9	1.7
Italy	-0.6	-0.9	-0.3	4.4	1.9	1.3
Cyprus	4.5	10.8	8.4	5.4	0.9	:
Latvia	5.5	7.9	2.5	-0.5	2.4	6.7
Lithuania	0.2	-1.4	-0.6	0.3	8.2	0.1
Luxembourg	-2.8	2.2	0.6	-5.0	2.7	-2.2**
Hungary	4.2	-0.5	0.2	3.3	-3.7	-2.0
Malta	-4.0	-6.9	-5.6	-2.5	-1.3	-5.7
Netherlands	1.5	1.4	-0.5	4.1	5.4	1.6
Austria	2.4	1.4	-1.0	2.6	3.1	:
Poland	3.2	3.8	0.9	5.2	3.2	0.8
Portugal	-2.0	1.3	-1.2	2.5	0.8	-1.0
Romania	-1.3	-1.3	1.1	2.9	3.5	2.1
Slovenia	5.2	6.2	6.9	6.3	7.5	6.6
Slovakia	9.0	2.4	-13.8	17.2	4.1	3.4
Finland	2.1	3.2	4.9	-1.8	3.6	3.5
Sweden	-1.8	-2.8	2.4	-6.2	1.5	-2.1
United Kingdom	3.6	1.1	2.4	2.2	0.5	-1.3
Norway	1.5	-5.8	0.5	-6.5	-12.5	0.7

* 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)

	10/15	11/15	12/15	01/16	02/16	03/16	04/16	05/16	06/16	07/16	08/16	09/16	10/16
EA19	104.2	103.8	103.3	106.0	104.3	103.5	105.1	103.6	104.4	103.7	105.8	104.9	104.8
EU28	104.8	104.4	103.9	106.1	104.8	104.3	105.9	104.5	105.1	104.5	106.2	105.5	105.2
Belgium	104.5	107.0	102.8	108.9	107.4	106.9	107.2	105.5	107.2	110.1	109.4	108.2	:
Bulgaria	110.4	110.9	112.5	113.0	113.2	112.4	111.9	110.0	114.3	112.5	113.2	112.9	113.3
Czech Republic	117.8	116.2	114.3	118.4	117.4	119.2	117.6	117.5	120.1	108.6	121.2	119.2	118.8
Denmark	101.4	100.3	104.0	107.2	106.2	106.0	107.3	107.5	107.2	109.4	108.4	100.3	105.0
Germany	108.7	108.3	108.3	111.3	110.1	109.2	110.1	108.8	110.1	108.1	111.8	109.8	109.9
Estonia	128.7	125.3	123.4	129.1	128.7	124.7	131.2	127.1	124.6	130.3	129.6	135.8	134.6
Ireland	163.7	159.2	160.1	189.4	157.7	131.8	160.6	147.4	158.5	171.4	148.8	158.9	153.2
Greece	86.9	90.7	92.9	91.5	87.6	87.3	90.8	87.0	90.5	90.1	90.6	88.9	92.9
Spain	95.5	95.4	95.4	95.2	94.8	96.1	95.9	95.3	95.2	95.0	96.9	95.6	95.9
France	102.2	101.5	100.8	102.2	100.8	100.6	101.6	101.1	100.2	99.8	102.1	100.6	100.4
Croatia	99.6	98.0	95.9	98.2	97.8	101.7	98.5	97.6	97.9	97.4	96.3	99.8	101.4
Italy	92.8	92.3	91.7	93.3	92.7	92.7	93.2	92.6	92.3	92.9	94.6	93.8	93.8
Cyprus	75.0	76.7	76.9	78.1	78.7	79.0	80.1	77.9	80.0	79.9	79.4	77.2	:
Latvia	117.6	119.0	118.2	118.6	118.6	123.8	121.8	124.4	125.2	122.6	120.4	122.3	125.3
Lithuania	128.3	125.7	121.6	122.7	124.2	119.7	116.1	120.8	120.2	119.8	119.3	123.7	127.1
Luxembourg	99.9	101.4	99.0	99.4	100.3	100.2	96.8	96.8	99.7	98.4	96.7	99.8	97.6*
Hungary	123.9	122.2	121.5	121.4	120.3	118.1	125.1	124.2	121.2	121.1	122.6	118.9	121.2
Malta	101.6	98.6	97.6	93.3	96.0	95.2	96.3	96.4	95.6	95.3	96.7	97.6	95.8
Netherlands	93.7	93.5	92.3	94.0	93.2	95.0	96.6	91.5	93.1	91.1	94.0	95.9	94.6
Austria	112.2	111.3	109.8	112.5	110.4	113.1	113.3	112.6	112.4	111.6	113.6	113.4	:
Poland	120.8	121.6	122.5	122.2	122.2	121.4	124.2	122.8	123.3	121.4	123.9	123.4	122.3
Portugal	99.9	96.2	94.7	95.5	96.3	95.1	100.7	96.9	98.7	98.1	99.1	97.0	99.1
Romania	132.7	132.6	132.2	129.5	130.5	131.5	134.3	128.6	131.4	132.5	133.7	134.8	133.8
Slovenia	107.4	107.8	106.8	111.1	111.4	111.0	111.5	112.3	112.9	114.1	113.7	115.2	114.6
Slovakia	137.9	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	93.2	93.7	94.7	92.9	94.9	92.8	94.8	94.9	95.9	96.6	93.9	96.5	96.3
Sweden	100.0	100.3	97.5	99.6	99.7	100.2	99.9	97.3	96.3	97.6	93.8	100.9	98.0
United Kingdom	99.4	98.6	97.6	98.3	98.2	98.6	100.9	100.2	100.2	100.3	100.0	99.6	98.3
Norway	96.9	96.7	95.9	97.1	97.3	97.1	97.9	97.6	93.7	97.6	93.0	88.1	97.5

* Estimated by Member State

: Data not available

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

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

	10/13	10/14	10/15	11/15	12/15	01/16	02/16	03/16	04/16	05/16	06/16	07/16	08/16	09/16	10/16
EA19	105.8	106.7	109.5	108.4	98.5	101.3	102.4	111.6	104.1	103.4	107.4	105.7	89.3	108.9	110.2
EU28	106.1	107.1	110.2	109.2	99.6	101.9	102.4	112.3	105.2	104.6	107.8	104.8	92.1	109.3	110.7
Belgium	109.5	109.0	110.5	108.3	101.4	106.6	105.4	116.5	107.3	104.3	112.8	101.9	99.5	114.0	:
Bulgaria	113.9	113.3	114.6	118.0	116.1	108.2	106.5	112.4	109.9	103.7	115.9	116.3	109.2	113.0	117.9
Czech Republic	115.0	118.4	125.7	123.9	107.8	112.7	113.1	127.4	118.0	117.8	125.2	102.4	112.0	122.7	126.7
Denmark	115.1	113.5	111.6	108.3	99.4	107.2	101.6	109.3	103.9	106.3	110.0	96.3	106.5	107.7	114.8
Germany	111.3	112.9	113.3	115.1	102.9	103.9	106.6	117.5	108.7	106.4	112.1	109.3	103.6	114.5	114.5
Estonia	137.6	142.1	138.9	131.2	116.7	123.5	120.9	131.2	130.5	132.0	124.6	119.1	128.5	141.5	145.3
Ireland**	90.0	122.2	163.6	162.0	152.5	186.8	152.7	144.9	160.1	147.0	163.8	168.3	139.8	162.6	152.9
Greece	86.8	86.7	85.2	88.0	89.7	83.4	85.3	87.5	90.6	88.6	97.1	99.8	87.3	92.5	91.2
Spain	93.9	95.2	99.9	98.2	88.0	92.1	93.9	102.8	95.0	99.5	99.7	101.2	76.5	98.6	100.2
France	105.6	104.3	107.9	103.3	100.2	102.8	101.0	109.8	103.5	96.5	106.1	98.3	78.1	104.1	106.0
Croatia	93.9	96.5	103.0	102.7	95.1	88.5	91.9	106.5	99.5	101.7	96.8	102.3	87.7	101.3	104.8
Italy	100.8	98.1	101.1	95.8	79.9	88.5	93.9	101.2	92.1	100.2	96.0	106.1	61.8	99.6	102.4
Cyprus	73.3	73.0	75.4	73.2	75.4	68.9	71.3	76.9	78.8	82.1	87.9	96.8	72.1	81.0	:
Latvia	128.2	129.0	131.5	125.8	117.2	103.1	100.0	121.5	122.4	127.0	127.9	124.2	123.7	125.0	140.3
Lithuania	120.5	123.4	131.7	130.0	122.3	118.7	119.3	121.2	112.5	120.8	120.4	120.7	117.8	126.0	131.8
Luxembourg	103.8	106.5	107.8	103.9	91.7	96.8	98.7	106.6	99.6	97.4	101.6	99.6	82.5	102.2	105.4*
Hungary	116.1	118.2	132.7	134.5	114.6	116.9	113.7	123.4	124.3	126.4	124.8	118.8	110.5	125.7	130.0
Malta	97.4	100.0	106.7	97.3	84.8	88.4	90.7	102.5	97.1	97.7	101.7	102.2	90.1	102.3	100.6
Netherlands	99.7	98.2	96.1	101.4	99.3	101.9	98.0	104.9	93.3	88.0	89.4	81.1	78.3	91.6	97.6
Austria	113.3	113.8	118.5	117.9	108.8	100.2	102.5	120.9	112.9	110.6	115.4	112.4	101.6	120.7	:
Poland	122.4	124.5	130.5	126.6	118.3	116.4	116.3	128.0	123.1	120.3	124.3	118.0	117.4	129.9	131.6
Portugal	96.0	96.9	101.5	98.6	87.2	96.3	96.8	99.3	98.4	100.6	101.9	102.6	83.6	99.9	100.5
Romania	132.9	137.8	141.2	139.9	122.6	124.4	126.2	137.1	134.3	133.7	131.8	135.2	117.2	141.9	144.2
Slovenia	105.5	109.3	113.4	112.0	96.6	107.0	108.1	120.3	110.2	115.4	119.0	115.5	96.9	121.5	120.9
Slovakia	132.4	147.4	149.4	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	109.1	108.9	107.2	104.8	106.5	73.4	80.4	93.7	87.8	99.5	95.8	89.9	92.7	105.4	111.0
Sweden	99.3	100.1	107.3	106.5	99.2	95.2	96.9	108.8	103.3	97.5	100.1	79.9	84.1	105.3	105.1
United Kingdom	99.2	100.3	102.2	102.2	95.7	96.8	95.4	107.6	101.3	102.4	100.9	98.8	94.6	100.3	100.9
Norway	95.6	106.0	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

* 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](#).