

6/2018 - 11 January 2018

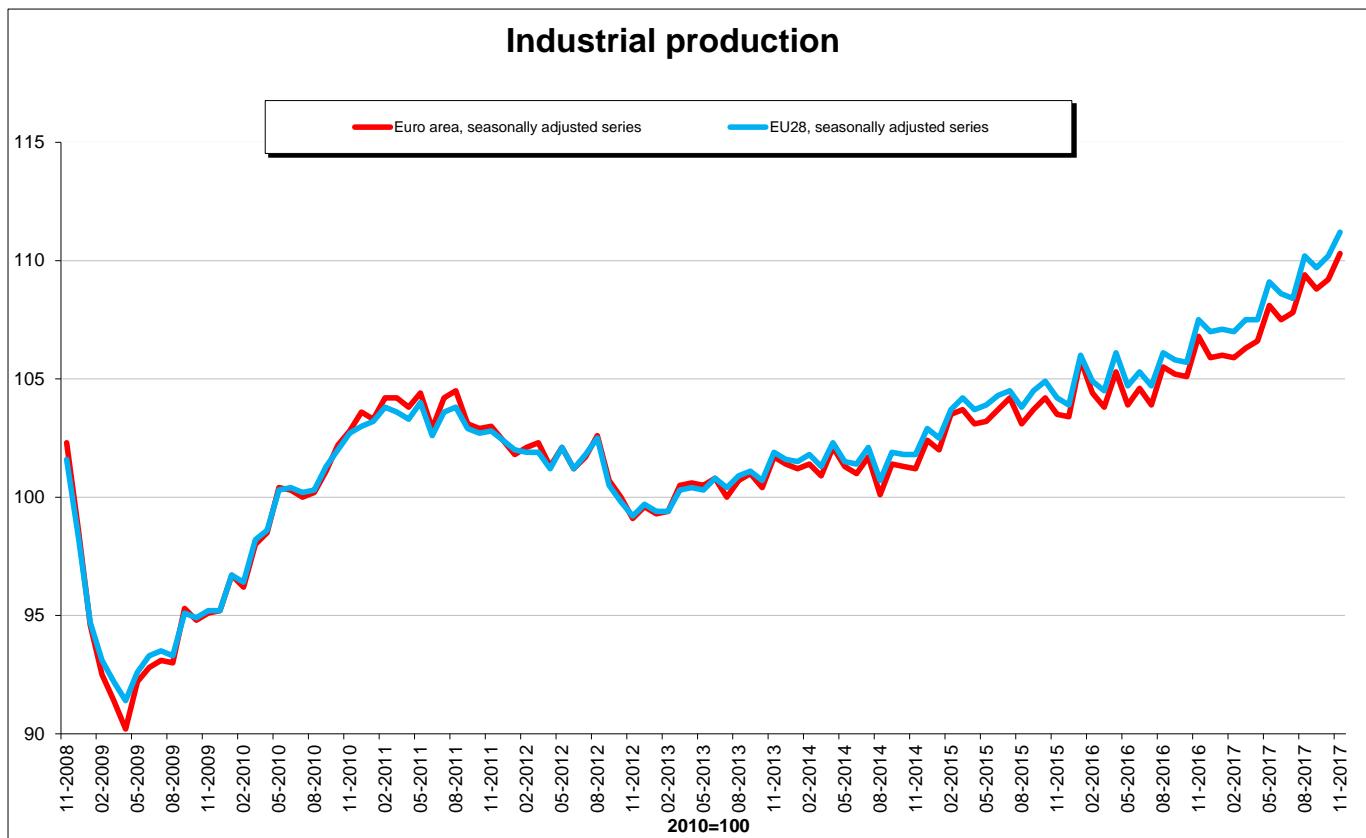
November 2017 compared with October 2017

Industrial production up by 1.0% in euro area

Up by 0.9% in EU28

In November 2017 compared with October 2017, seasonally adjusted industrial production rose by 1.0% in the **euro area** (EA19) and by 0.9% in the **EU28**, according to estimates from **Eurostat, the statistical office of the European Union**. In October 2017, industrial production rose by 0.4% in the **euro area** and by 0.5% in the **EU28**.

In November 2017 compared with November 2016, industrial production increased by 3.2% in the **euro area** and by 3.5% in the **EU28**.



Monthly comparison by main industrial grouping and by Member State

The increase of 1.0% in industrial production in the **euro area** in November 2017, compared with October 2017, is due to production of capital goods rising by 3.0%, durable consumer goods by 1.6%, intermediate goods by 1.1% and non-durable consumer goods by 0.1%, while production of energy remained unchanged.

In the **EU28**, the increase of 0.9% is due to production of capital goods rising by 2.4%, durable consumer goods by 1.4%, intermediate goods by 0.9%, energy by 0.4% and non-durable consumer goods by 0.2%.

Among Member States for which data are available, the highest increases in industrial production were registered in the **Czech Republic** and **Germany** (both +3.6%), and **Luxembourg** (+3.4%), and the largest decreases in **Ireland** (-9.4%), **Croatia** (-3.6%) and **Hungary** (-2.1%).

Annual comparison by main industrial grouping and by Member State

The increase of 3.2% in industrial production in the **euro area** in November 2017, compared with November 2016, is due to production of capital goods rising by 6.2% and both intermediate and durable consumer goods by 4.6%, while production of energy fell by 3.4% and non-durable consumer goods by 0.1%.

In the **EU28**, the increase of 3.5% is due to production of capital goods rising by 6.8%, intermediate goods by 4.8%, durable consumer goods by 4.6% and non-durable consumer goods by 0.3%, while production of energy fell by 2.0%.

Among Member States for which data are available, the highest increases in industrial production were registered in **Slovenia** (+9.9%), **Romania** (+9.3%) and the **Czech Republic** (+8.5%). Decreases were observed in **Ireland** (-10.1%), the **Netherlands** (-4.7%), **Denmark** (-2.7%) and **Croatia** (-1.6%).

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 [191/2017](#) of 13 December 2017, the monthly percentage change for October 2017 has been revised from +0.2% to +0.4% in the euro area and from +0.3% to +0.5% in the EU28. The annual percentage change has been revised from +3.7% to +3.9% in the euro area and remains unchanged at +4.2% 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-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17
EA19						
Total industry	-0.6	0.3	1.5	-0.5	0.4	1.0
Intermediate goods	0.0	0.6	1.2	-0.5	0.3	1.1
Energy	1.0	-1.1	0.9	-1.2	0.2	0.0
Capital goods	-1.9	1.0	3.3	-1.6	-0.2	3.0
Durable consumer goods	-1.3	0.9	1.5	-0.3	-2.1	1.6
Non-durable consumer goods	-0.3	0.5	0.1	0.3	0.4	0.1
EU28						
Total industry	-0.5	-0.2	1.7	-0.5	0.5	0.9
Intermediate goods	-0.2	0.6	1.0	-0.2	0.5	0.9
Energy	0.9	-1.0	1.1	-0.8	-0.2	0.4
Capital goods	-1.5	0.4	3.4	-1.4	0.1	2.4
Durable consumer goods	-0.9	0.2	1.4	0.2	-1.9	1.4
Non-durable consumer goods	-0.3	0.1	0.4	-0.3	0.7	0.2

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

Total industry	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17
EA19	-0.6	0.3	1.5	-0.5	0.4	1.0
EU28	-0.5	-0.2	1.7	-0.5	0.5	0.9
Belgium	1.8	2.7	-0.9	-2.0	2.6	:
Bulgaria	-1.8	0.4	-0.3	0.3	-1.2	0.3
Czech Republic	-3.4	-9.1	13.9	-0.5	-1.6	3.6
Denmark	-2.7	-2.3	3.6	-4.5	2.1	1.7
Germany	-1.0	-0.1	3.1	-1.4	-1.2	3.6
Estonia	0.1	-3.1	-0.1	2.8	1.6	-1.5
Ireland	-7.4	1.5	1.3	1.8	11.8	-9.4
Greece	-0.5	0.4	2.9	-3.1	1.3	:
Spain	-0.2	-0.2	1.2	0.2	0.5	1.0
France	-1.2	0.9	-0.2	0.9	1.6	-0.5
Croatia	0.7	-1.2	0.3	1.4	2.7	-3.6
Italy	1.0	0.1	1.1	-1.4	c	c
Cyprus	0.0	2.1	-0.8	0.0	0.9	:
Latvia	-0.4	0.0	1.1	1.3	-2.1	0.7
Lithuania	0.5	-0.3	3.4	-0.4	-0.1	2.7
Luxembourg	2.3	0.5	-1.9	0.5	-4.2	3.4**
Hungary	-1.3	-4.3	5.6	-0.8	1.1	-2.1
Malta	-2.7	-1.9	6.3	-0.2	-6.6	2.8
Netherlands	1.4	-0.7	-2.2	3.4	-1.5	-1.0
Austria	0.6	1.3	0.8	-0.5	0.5	:
Poland	0.5	-1.0	3.1	-1.2	1.7	-0.5
Portugal	-0.1	2.3	4.5	-5.8	-1.4	0.8
Romania	-1.6	-1.2	1.5	-0.6	1.3	0.7
Slovenia	-0.7	0.7	1.2	2.2	0.2	0.7
Slovakia	-0.5	-3.1	2.5	0.9	1.4	:
Finland	-0.5	0.3	-0.2	0.3	0.1	0.4
Sweden	0.6	-1.0	-1.7	2.1	1.0	1.6
United Kingdom	0.7	0.4	0.2	0.7	0.2	0.4
Norway	0.5	1.0	-0.3	-1.7	-1.3	0.6

* Calendar and seasonally adjusted

** Estimated by Member State

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: Data not available

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

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

	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17
EA19						
Total industry	2.9	3.7	3.9	3.4	3.9	3.2
Intermediate goods	4.3	5.0	5.3	4.6	5.3	4.6
Energy	4.8	1.9	0.5	-1.1	-1.7	-3.4
Capital goods	1.5	4.6	5.1	4.5	3.5	6.2
Durable consumer goods	3.7	5.5	3.3	7.6	3.9	4.6
Non-durable consumer goods	0.9	0.5	2.5	1.5	5.4	-0.1
EU28						
Total industry	3.2	3.4	4.1	3.7	4.2	3.5
Intermediate goods	4.4	5.0	5.3	4.6	5.7	4.8
Energy	3.4	0.5	0.9	0.4	-0.5	-2.0
Capital goods	2.6	4.9	5.8	4.7	4.5	6.8
Durable consumer goods	4.2	4.8	3.8	7.5	3.8	4.6
Non-durable consumer goods	1.7	0.6	2.4	1.7	4.6	0.3

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

Total industry	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17
EA19	2.9	3.7	3.9	3.4	3.9	3.2
EU28	3.2	3.4	4.1	3.7	4.2	3.5
Belgium	4.7	4.9	4.4	4.6	6.9	:
Bulgaria	3.3	4.6	4.1	3.4	2.9	1.7
Czech Republic	3.0	4.2	5.7	7.6	5.1	8.5
Denmark	1.2	-4.6	1.6	3.3	-3.7	-2.7
Germany	2.4	4.1	4.7	4.0	2.6	5.7
Estonia	12.0	4.6	4.6	4.5	6.0	2.7
Ireland	-7.9	-8.9	0.6	-1.3	14.2	-10.1
Greece	2.3	2.4	6.1	3.4	0.5	:
Spain	2.9	2.1	2.6	3.6	4.2	4.6
France	2.3	3.7	1.3	3.3	5.8	2.7
Croatia	4.2	2.5	3.2	3.1	4.3	-1.6
Italy	5.2	4.6	5.8	2.2	c	c
Cyprus	5.0	8.5	6.6	7.5	6.8	:
Latvia	7.8	8.8	12.4	12.9	5.3	3.6
Lithuania	8.2	5.3	13.2	8.1	4.4	7.8
Luxembourg	0.7	2.8	3.4	1.5	-2.3	1.6**
Hungary	6.6	0.2	6.9	8.0	7.6	3.4
Malta	2.3	-0.4	7.6	6.5	-1.4	0.3
Netherlands	3.8	4.2	-0.5	1.7	0.4	-4.7
Austria	4.7	6.6	6.0	5.4	5.1	:
Poland	6.9	6.4	8.8	6.7	10.0	6.7
Portugal	4.0	5.6	8.6	3.5	4.4	3.1
Romania	11.8	7.6	10.1	6.8	9.2	9.3
Slovenia	6.7	6.5	8.0	10.0	10.2	9.9
Slovakia	3.2	9.2	-0.4	2.3	5.4	:
Finland	3.7	3.5	5.2	3.3	3.0	3.2
Sweden	8.3	5.1	6.7	1.5	5.8	7.0
United Kingdom	1.5	1.9	2.4	3.1	4.2	2.8
Norway	5.5	0.5	6.9	12.4	-1.9	-1.4

* Calendar adjusted

** Estimated by Member State

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: Data not available

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

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

	11/16	12/16	01/17	02/17	03/17	04/17	05/17	06/17	07/17	08/17	09/17	10/17	11/17
EA19	106.8	105.9	106.0	105.9	106.3	106.6	108.1	107.5	107.8	109.4	108.8	109.2	110.3
EU28	107.5	107.0	107.1	107.0	107.5	107.5	109.1	108.6	108.4	110.2	109.7	110.2	111.2
Belgium	109.3	113.8	108.5	112.2	110.5	110.4	110.7	112.7	115.7	114.7	112.4	115.3	:
Bulgaria	114.1	116.0	112.4	116.7	117.9	117.0	119.9	117.8	118.3	118.0	118.3	116.9	117.3
Czech Republic	121.4	119.4	124.2	124.8	124.3	125.9	129.5	125.1	113.7	129.5	128.9	126.9	131.5
Denmark	112.0	113.0	108.1	109.7	112.1	109.3	111.4	108.4	105.9	109.7	104.8	107.0	108.8
Germany	111.1	108.9	110.7	111.3	111.4	112.3	113.9	112.8	112.7	116.2	114.6	113.2	117.3
Estonia	141.2	139.2	140.5	143.0	146.2	147.0	145.4	145.6	141.1	141.0	144.9	147.2	145.0
Ireland	177.5	159.6	163.4	143.7	144.6	156.6	161.2	149.2	151.4	153.4	156.2	174.7	158.2
Greece	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	97.0	97.0	97.4	97.2	97.0	96.8	98.5	98.3	98.1	99.3	99.5	100.0	101.0
France	102.9	101.9	102.0	100.2	102.6	102.0	103.9	102.7	103.6	103.4	104.3	106.0	105.5
Croatia	103.8	107.7	101.8	100.9	101.5	98.9	101.6	102.3	101.1	101.4	102.8	105.6	101.8
Italy	95.0	96.3	94.1	95.0	95.5	95.1	95.8	96.8	96.9	98.0	96.6	c	c
Cyprus	80.9	83.2	83.8	84.5	85.6	83.4	84.8	84.8	86.6	85.9	85.9	86.7	:
Latvia	130.9	131.1	127.8	131.9	133.1	132.7	135.0	134.5	134.5	136.0	137.8	134.9	135.8
Lithuania	126.7	128.2	128.7	129.7	124.7	125.1	129.9	130.5	130.1	134.5	134.0	133.9	137.5
Luxembourg	97.0	101.8	94.0	96.5	100.1	98.9	98.3	100.6	101.1	99.2	99.7	95.5	98.7*
Hungary	123.6	124.1	124.4	128.1	129.0	128.1	130.7	129.0	123.5	130.4	129.4	130.8	128.0
Malta	98.2	99.7	100.8	102.9	99.9	100.3	101.3	98.6	96.7	102.8	102.6	95.8	98.5
Netherlands	97.8	97.5	97.0	97.1	94.0	94.9	95.5	96.8	96.1	94.0	97.2	95.7	94.7
Austria	116.5	115.6	112.7	116.4	117.1	117.3	117.4	118.1	119.6	120.5	119.9	120.5	:
Poland	125.2	127.2	127.2	128.2	130.6	129.1	130.7	131.4	130.1	134.1	132.5	134.7	134.0
Portugal	100.2	101.6	101.9	100.0	103.3	98.4	103.4	103.3	105.7	110.5	104.1	102.6	103.4
Romania	135.1	137.3	136.9	138.7	142.5	143.3	148.0	145.6	143.9	146.0	145.1	147.0	148.0
Slovenia	117.0	119.2	116.3	120.5	122.0	121.0	123.1	122.2	123.1	124.6	127.4	127.6	128.5
Slovakia	140.5	141.9	142.3	140.9	146.3	138.4	143.7	143.0	138.6	142.1	143.4	145.4	:
Finland	97.1	96.4	96.8	96.5	97.7	97.8	99.8	99.3	99.6	99.4	99.7	99.8	100.2
Sweden	99.3	99.1	101.8	102.0	102.4	100.9	103.4	104.0	103.0	101.3	103.4	104.4	106.1
United Kingdom	101.1	102.4	101.9	101.1	100.5	100.7	101.0	101.7	102.1	102.3	103.0	103.2	103.6
Norway	98.4	95.2	98.6	98.0	98.0	98.7	98.1	98.6	99.6	99.3	97.6	96.3	96.9

* Estimated by Member State

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: Data not available

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

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

	11/14	11/15	11/16	12/16	01/17	02/17	03/17	04/17	05/17	06/17	07/17	08/17	09/17	10/17	11/17
EA19	106.1	108.4	112.2	101.3	101.7	103.8	114.3	105.3	107.7	110.6	109.6	92.8	112.7	114.6	115.8
EU28	106.8	109.2	112.9	103.1	103.2	104.7	115.5	106.4	108.9	111.3	108.2	95.8	113.4	115.6	116.8
Belgium	106.2	108.9	110.6	112.0	106.0	110.3	120.6	110.2	109.2	118.7	107.8	104.7	117.6	121.8	:
Bulgaria	115.6	118.1	122.4	122.5	106.8	111.1	119.9	113.0	114.3	119.7	122.0	113.7	118.0	121.1	124.5
Czech Republic	120.3	123.9	130.0	111.6	118.9	120.8	133.1	126.5	131.3	129.9	107.1	119.0	132.4	133.9	141.0
Denmark	111.8	108.4	120.5	109.0	107.9	105.0	116.1	105.5	111.4	111.3	91.9	108.1	111.1	115.7	117.2
Germany	115.2	115.1	118.1	102.9	103.7	108.1	120.0	111.1	111.2	114.8	113.6	108.3	119.5	117.8	124.8
Estonia	140.0	134.5	146.9	130.8	134.1	134.2	154.4	147.8	151.9	146.5	128.8	138.9	150.7	158.7	150.9
Ireland**	123.2	162.0	183.6	153.7	171.0	137.2	147.3	158.1	156.8	150.8	153.3	140.7	160.5	178.1	165.0
Greece	85.7	88.0	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	93.6	98.2	101.4	89.8	94.9	96.2	103.5	94.6	103.3	102.7	103.3	78.6	102.3	104.2	106.1
France	99.6	103.1	105.7	101.4	103.2	99.9	112.7	103.1	99.4	108.5	101.6	79.2	107.3	112.1	108.6
Croatia	99.1	102.7	110.0	109.3	92.3	94.6	106.9	99.1	105.4	100.9	104.9	90.5	104.3	109.3	108.2
Italy	94.6	96.0	99.1	85.5	88.1	95.7	104.0	93.1	103.1	101.0	111.1	65.4	101.9	c	c
Cyprus	68.0	73.1	76.3	82.3	74.7	77.4	85.0	81.4	88.8	92.5	105.4	77.3	89.1	86.7	:
Latvia	119.8	125.2	139.1	130.8	108.5	110.9	133.7	134.2	139.4	138.0	135.4	139.1	141.3	148.4	144.1
Lithuania	122.5	129.5	132.7	129.9	125.9	126.6	126.5	118.2	130.1	131.3	127.7	133.5	136.3	138.8	143.1
Luxembourg	100.8	104.3	98.9	96.5	88.5	94.1	110.1	99.8	99.1	104.0	103.7	85.0	102.7	100.5	100.5*
Hungary	126.1	134.2	135.1	114.9	119.3	123.8	135.1	127.1	132.0	133.8	120.8	117.7	138.5	140.0	139.7
Malta	94.4	97.3	96.6	87.2	95.5	98.8	107.8	101.1	103.4	104.2	102.0	97.1	108.3	98.0	96.9
Netherlands	105.3	101.4	107.8	107.7	107.6	102.3	102.1	92.4	90.8	93.4	84.5	78.4	93.5	98.2	102.7
Austria	114.1	118.7	124.3	115.9	99.9	108.9	126.4	116.9	115.2	121.2	120.1	108.4	126.9	126.3	:
Poland	120.0	126.6	130.5	123.5	121.5	122.0	139.1	128.1	128.5	132.8	125.5	127.7	138.6	144.7	139.3
Portugal	97.3	99.3	102.5	92.7	103.4	99.7	107.7	97.7	108.0	106.8	111.0	92.6	105.6	103.8	105.7
Romania	136.5	139.9	143.9	129.7	131.2	133.7	151.9	136.1	153.4	147.3	145.5	129.0	151.5	157.3	157.3
Slovenia	107.1	112.0	121.7	108.4	111.1	117.3	133.2	119.3	127.0	128.1	123.6	105.8	135.0	134.6	133.8
Slovakia	129.9	146.3	151.3	129.5	134.1	140.2	158.4	136.4	148.9	150.9	122.6	132.8	146.0	157.5	:
Finland	105.3	104.7	109.2	107.4	75.1	80.4	97.7	90.1	107.6	101.1	94.6	97.0	108.5	115.0	112.7
Sweden	98.6	106.5	106.3	99.2	98.1	100.0	112.2	103.8	104.2	108.7	84.2	89.5	107.1	111.6	113.7
United Kingdom	102.0	102.2	104.7	103.4	101.5	99.6	109.0	100.2	101.3	101.4	98.7	95.7	103.3	105.1	107.6
Norway	102.7	101.0	102.4	97.2	104.4	96.7	103.4	97.0	97.3	94.1	88.4	96.7	94.6	101.4	101.0

* 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.

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: Data not available

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