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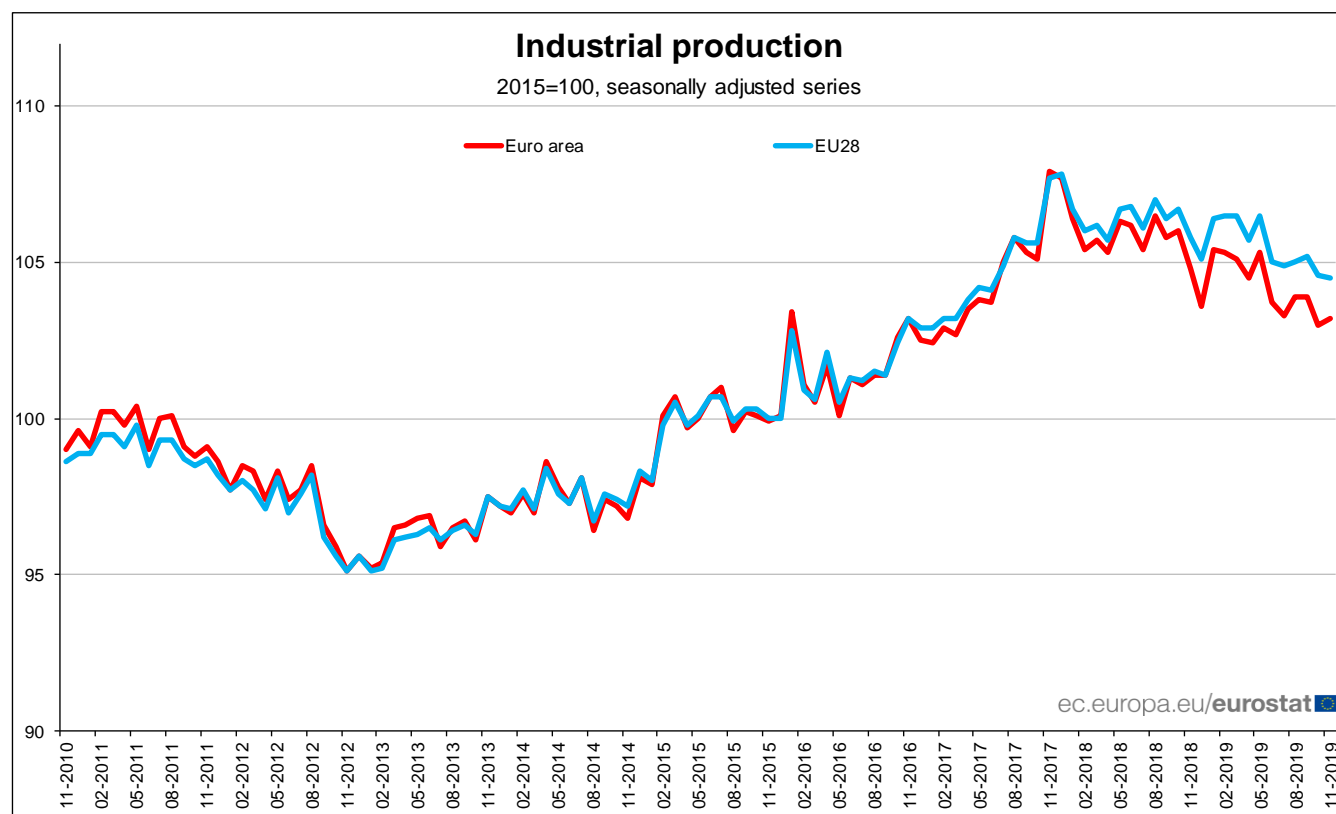
November 2019 compared with October 2019

Industrial production up by 0.2% in euro area

Down by 0.1% in EU28

In November 2019 compared with October 2019, seasonally adjusted industrial production rose by 0.2% in the **euro area** (EA19) and fell by 0.1% in the **EU28**, according to estimates from **Eurostat, the statistical office of the European Union**. In October 2019, industrial production fell by 0.9% in the **euro area** and by 0.6% in the **EU28**.

In November 2019 compared with November 2018, industrial production decreased by 1.5% in the **euro area** and by 1.3% in the **EU28**.



Monthly comparison by main industrial grouping and by Member State

In the **euro area** in November 2019, compared with October 2019, production of capital goods rose by 1.2% and energy by 0.8%, while production of intermediate goods fell by 0.5%, non-durable consumer goods by 0.7% and durable consumer goods by 0.8%.

In the **EU28**, production of durable consumer goods fell by 0.9%, non-durable consumer goods by 0.6% and intermediate goods by 0.4%, while production of capital goods rose by 0.6% and energy by 0.7%.

Among Member States for which data are available, the highest increases in industrial production were registered in **Lithuania** (+3.0%), **Malta** (+2.6%), **Poland** and **Sweden** (both +1.6%). The largest decreases were observed in **Denmark** (-4.7%), **Ireland** (-4.1%) and **Greece** (-3.7%).

Annual comparison by main industrial grouping and by Member State

In the **euro area** in November 2019, compared with November 2018, production of intermediate goods fell by 2.8%, capital goods by 2.0% and energy by 1.9%, while production of durable consumer goods rose by 1.2% and non-durable consumer goods by 1.6%.

In the **EU28**, production of intermediate goods fell by 2.3%, capital goods by 2.1% and energy by 1.5%, while production of non-durable consumer goods rose by 1.8% and durable consumer goods by 1.9%.

Among Member States for which data are available, the largest decreases in industrial production were registered in **Greece** (-8.3%), **Romania** (-7.5%) and **Estonia** (-7.2%). The highest increases were observed in **Hungary** (+5.7%), **Poland** (+5.6%) and **Finland** (+3.7%).

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, Czechia, 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 187/2019 of 12 December 2019, the monthly percentage change for October 2019 has been revised from -0.5% to -0.9% in the euro area and from -0.4% to -0.6% in the EU28. The annual percentage change has been revised from -2.2% to -2.6% in the euro area and from -1.7% to -1.9% 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_2015)

Eurostat €-indicators release calendar

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Industrial production
% change compared with previous month*

	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19
EA19						
Total industry	-1.5	-0.4	0.6	0.0	-0.9	0.2
Intermediate goods	-1.2	-0.3	0.1	-0.9	0.7	-0.5
Energy	-0.8	-0.2	0.2	-0.8	-1.1	0.8
Capital goods	-3.7	2.2	1.0	0.5	-2.5	1.2
Durable consumer goods	-1.2	1.1	-0.7	-0.4	1.7	-0.8
Non-durable consumer goods	-1.4	-1.4	0.4	1.1	0.7	-0.7
EU28						
Total industry	-1.4	-0.1	0.1	0.2	-0.6	-0.1
Intermediate goods	-1.4	0.1	-0.1	-0.7	0.6	-0.4
Energy	-0.7	-0.7	-0.6	-0.2	-0.6	0.7
Capital goods	-3.3	1.7	0.7	0.5	-1.9	0.6
Durable consumer goods	-1.5	1.2	-0.8	0.3	1.6	-0.9
Non-durable consumer goods	-1.0	-0.4	-0.3	1.2	0.4	-0.6

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

Total industry	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19
EA19	-1.5	-0.4	0.6	0.0	-0.9	0.2
EU28	-1.4	-0.1	0.1	0.2	-0.6	-0.1
Belgium	4.1	-6.2	6.3	-1.0	-1.8	:
Bulgaria	-1.8	0.7	0.0	0.7	0.9	-0.9
Czechia	-2.9	0.5	-0.2	1.1	-0.1	-1.1
Denmark	-7.1	3.8	-3.2	2.7	-2.6	-4.7
Germany	-1.7	-0.5	0.8	-1.2	-1.1	0.9
Estonia	-5.4	-3.0	3.7	-1.5	0.7	0.6
Ireland	-9.4	1.6	1.0	8.7	-5.2	-4.1
Greece	0.6	-1.6	2.1	1.1	-2.5	-3.7
Spain	-0.3	-0.3	0.7	-0.9	-0.5	1.1
France	-2.4	0.3	-0.8	0.4	0.5	0.3
Croatia	-1.1	2.9	-3.0	2.5	-1.3	-0.8
Italy	-0.3	-0.8	0.4	-0.5	-0.3	0.1
Cyprus	1.7	-1.4	1.7	0.8	-0.2	c
Latvia	1.5	-2.2	2.8	1.1	-2.3	-1.3
Lithuania	2.3	0.5	-1.6	2.2	-2.5	3.0
Luxembourg	-1.5	-0.5	2.8	-1.8	-2.4	1.4**
Hungary	-1.7	1.6	-1.2	3.0	-0.4	-1.0
Malta	0.6	0.7	5.5	-2.6	-0.7	2.6
Netherlands	-1.1	0.3	0.6	1.3	-0.5	-1.3
Austria	0.4	-0.6	-1.2	0.2	0.6	:
Poland	-2.0	0.7	-1.3	1.3	1.4	1.6
Portugal	-4.6	5.5	-2.4	-2.5	3.1	-0.6
Romania	-1.8	-1.8	0.5	0.5	-1.9	-0.3
Slovenia	-1.7	2.6	-2.7	0.6	1.7	-1.2
Slovakia	-1.8	0.4	-2.2	1.3	-0.5	-0.4
Finland	1.3	0.9	0.3	-0.3	-0.5	1.3
Sweden	0.1	0.8	-0.1	-0.5	-1.2	1.6
United Kingdom	0.0	0.2	-0.7	-0.1	0.4	-1.2
Norway	-2.0	1.0	-2.1	0.2	3.0	3.8
Switzerland	2.5	-0.9	-1.6	2.6	:	:

* Calendar and seasonally adjusted ** Estimated by Member State
: Data not available c Confidential

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

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

	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19
EA19						
Total industry	-2.5	-2.2	-2.8	-1.7	-2.6	-1.5
Intermediate goods	-3.6	-2.9	-3.3	-4.1	-3.4	-2.8
Energy	-0.9	-1.3	-2.9	-1.7	-2.6	-1.9
Capital goods	-3.9	-3.2	-3.1	-1.3	-5.2	-2.0
Durable consumer goods	-1.3	1.6	-0.6	-0.9	0.8	1.2
Non-durable consumer goods	1.5	0.4	-1.2	1.8	3.3	1.6
EU28						
Total industry	-1.8	-1.2	-2.0	-1.1	-1.9	-1.3
Intermediate goods	-3.2	-2.4	-2.8	-3.4	-2.8	-2.3
Energy	-0.2	-1.6	-3.3	-2.3	-2.5	-1.5
Capital goods	-3.1	-2.3	-2.8	-0.9	-4.0	-2.1
Durable consumer goods	-0.7	1.8	0.1	0.9	1.8	1.9
Non-durable consumer goods	1.5	1.9	0.3	3.0	3.3	1.8

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

Total industry	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19
EA19	-2.5	-2.2	-2.8	-1.7	-2.6	-1.5
EU28	-1.8	-1.2	-2.0	-1.1	-1.9	-1.3
Belgium	10.0	-0.1	4.5	8.1	4.9	:
Bulgaria	-3.4	-1.0	-1.3	0.1	1.9	-0.3
Czechia	-3.4	0.0	-1.8	-0.8	-0.3	-3.1
Denmark	3.3	5.5	4.2	4.8	0.2	-4.6
Germany	-6.0	-5.3	-5.1	-5.6	-5.9	-4.0
Estonia	-2.9	-5.3	-2.3	-4.4	-3.9	-7.2
Ireland	-6.0	-2.5	-6.6	5.2	-0.9	-1.8
Greece	-0.2	-2.1	0.9	2.8	0.0	-8.3
Spain	1.3	0.7	1.3	0.3	-1.7	2.1
France	-0.3	0.0	-1.5	0.2	0.2	1.2
Croatia	-5.5	2.9	-1.7	2.0	0.4	-0.4
Italy	-1.2	-0.7	-1.7	-2.2	-2.4	-0.6
Cyprus	3.6	2.5	5.4	5.2	3.7	c
Latvia	4.3	-1.4	2.0	7.2	2.9	-0.2
Lithuania	2.1	4.4	0.3	7.5	-2.2	1.6
Luxembourg	-3.4	-3.5	-0.6	-1.8	-7.1	-3.4**
Hungary	4.3	8.7	2.7	9.0	6.4	5.7
Malta	0.7	1.3	7.9	5.6	2.0	0.4
Netherlands	-2.5	-0.7	-1.2	1.0	0.3	-2.1
Austria	-0.6	-1.2	-2.4	-2.0	-2.7	:
Poland	1.9	3.3	0.7	3.1	3.6	5.6
Portugal	-5.3	-1.4	-4.9	-5.0	-2.2	0.3
Romania	-3.6	-5.3	-5.8	-4.1	-3.5	-7.5
Slovenia	1.0	5.0	-0.1	2.0	2.6	1.3
Slovakia	-2.0	2.3	-8.2	-2.4	-4.0	-4.4
Finland	2.3	4.5	3.9	1.2	1.3	3.7
Sweden	1.1	5.4	3.4	1.8	-1.7	1.2
United Kingdom	-1.3	-0.7	-1.6	-1.0	-0.4	-1.9
Norway	-8.6	-5.8	-9.3	-8.0	-5.6	-0.9
Switzerland	5.8	7.2	5.5	10.7	:	:

* Calendar adjusted

** Estimated by Member State

:

c Confidential

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

Production indices for total industry, calendar and seasonally adjusted
(base year 2015)

	11/18	12/18	01/19	02/19	03/19	04/19	05/19	06/19	07/19	08/19	09/19	10/19	11/19
EA19	104.8	103.6	105.4	105.3	105.1	104.5	105.3	103.7	103.3	103.9	103.9	103.0	103.2
EU28	105.8	105.1	106.4	106.5	106.5	105.7	106.5	105.0	104.9	105.0	105.2	104.6	104.5
Belgium	112.5	107.8	112.8	112.0	110.1	113.8	112.4	117.0	109.7	116.6	115.4	113.3	:
Bulgaria	108.6	106.4	110.2	112.0	111.1	109.4	109.0	107.0	107.7	107.7	108.5	109.5	108.5
Czechia	115.4	113.8	112.9	113.0	113.0	114.0	115.6	112.2	112.8	112.6	113.8	113.7	112.5
Denmark	109.8	120.5	111.1	110.0	113.6	112.8	117.9	109.5	113.7	110.1	113.1	110.2	105.0
Germany	103.1	103.9	102.8	102.8	103.5	101.0	101.7	100.0	99.5	100.3	99.1	98.0	98.9
Estonia	115.9	115.9	116.9	114.5	114.7	113.2	113.4	107.3	104.1	107.9	106.3	107.0	107.6
Ireland	101.6	84.5	98.8	98.9	100.9	104.4	107.5	97.4	99.0	100.0	108.7	103.1	98.9
Greece	112.7	111.1	112.1	109.7	108.3	109.5	108.2	108.9	107.2	109.5	110.7	107.9	103.9
Spain	104.5	103.3	107.3	106.1	104.8	106.5	106.8	106.5	106.2	106.9	105.9	105.4	106.6
France	102.8	102.9	104.5	104.7	103.3	103.8	105.9	103.4	103.7	102.9	103.3	103.8	104.1
Croatia	105.9	102.7	111.1	108.2	108.0	107.7	106.5	105.3	108.4	105.1	107.7	106.3	105.5
Italy	104.8	104.0	105.9	106.6	105.4	104.7	105.6	105.3	104.5	104.9	104.4	104.1	104.2
Cyprus	129.1	127.0	129.4	129.4	130.2	129.0	129.2	131.4	129.6	131.8	132.9	132.7	c
Latvia	116.1	119.0	114.9	116.0	116.7	114.5	117.1	118.8	116.2	119.5	120.8	118.0	116.5
Lithuania	119.5	121.0	120.3	114.6	118.9	118.0	117.7	120.4	121.0	119.1	121.7	118.6	122.2
Luxembourg	104.8	102.1	102.6	101.2	100.5	101.8	100.8	99.3	98.8	101.6	99.8	97.4	98.8*
Hungary	110.4	114.2	114.2	115.5	116.7	115.2	116.7	114.7	116.5	115.1	118.6	118.1	116.9
Malta	108.4	100.8	101.6	99.9	97.1	101.0	102.2	102.8	103.5	109.2	106.4	105.7	108.4
Netherlands	103.5	100.8	104.4	103.5	102.6	101.6	102.1	101.0	101.3	101.9	103.2	102.7	101.4
Austria	113.1	113.5	114.6	116.6	116.0	112.5	111.9	112.3	111.6	110.3	110.5	111.2	:
Poland	118.0	117.8	120.0	122.0	122.6	122.6	122.4	119.9	120.7	119.1	120.7	122.4	124.3
Portugal	103.1	103.1	104.6	103.0	102.7	105.3	105.4	100.5	106.0	103.5	100.9	104.0	103.4
Romania	120.3	119.2	116.8	117.7	118.2	119.0	116.5	114.4	112.3	112.9	113.5	111.3	111.0
Slovenia	123.4	120.4	127.4	125.6	125.1	126.9	125.9	123.8	127.0	123.6	124.4	126.5	125.0
Slovakia	114.9	114.7	115.7	115.6	116.5	115.6	115.5	113.4	113.9	111.4	112.8	112.2	111.8
Finland	111.3	113.4	113.2	112.3	112.4	115.1	112.0	113.5	114.5	114.9	114.5	113.9	115.4
Sweden	110.0	111.3	111.6	111.3	109.7	110.3	110.6	110.7	111.6	111.5	110.9	109.6	111.3
United Kingdom	103.3	102.7	104.0	104.3	105.3	102.1	103.1	103.1	103.3	102.6	102.5	102.9	101.7
Norway	100.9	100.7	98.5	96.9	95.6	96.0	96.5	94.6	95.5	93.5	93.7	96.5	100.2
Switzerland	114.9	111.9	114.8	114.7	115.1	115.4	115.7	118.6	117.5	115.6	118.6	:	:

* Estimated by Member State

: Data not available

c Confidential

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

Production indices for total industry, calendar adjusted
(base year 2015)

	11/16	11/17	11/18	12/18	01/19	02/19	03/19	04/19	05/19	06/19	07/19	08/19	09/19	10/19	11/19
EA19	108.4	113.5	110.2	99.0	102.3	102.2	112.2	103.3	105.2	105.8	104.4	87.7	108.7	110.1	108.5
EU28	108.6	113.3	111.2	101.4	103.5	103.4	114.1	104.5	106.7	107.0	104.2	91.2	109.5	111.1	109.8
Belgium	104.9	109.5	113.6	105.0	109.8	108.4	118.8	114.1	110.8	124.1	101.8	108.6	120.5	118.0	:
Bulgaria	110.9	113.1	115.1	110.3	105.1	106.6	113.9	104.1	105.5	109.1	111.0	103.6	107.1	113.1	114.7
Czechia	112.6	121.9	124.2	105.9	108.8	109.7	121.6	114.7	119.8	117.1	101.6	103.8	116.9	120.5	120.3
Denmark	117.1	115.1	118.5	116.9	111.2	105.7	119.1	109.4	117.2	110.3	100.1	106.8	118.7	118.5	113.1
Germany	108.2	114.8	109.6	98.2	95.7	99.2	111.8	99.6	99.8	102.6	99.8	93.7	103.8	101.9	105.2
Estonia	113.1	112.0	121.1	110.8	112.4	107.5	122.1	114.1	118.8	106.9	93.6	105.7	109.8	114.7	112.4
Ireland	115.0	121.9	111.0	81.5	119.0	82.8	86.8	105.4	100.4	77.3	94.0	81.1	130.3	138.1	109.0
Greece	102.6	103.8	109.4	110.2	103.3	107.3	109.2	108.5	109.2	113.1	119.0	106.1	114.3	105.5	100.3
Spain	107.2	112.4	108.6	95.4	105.6	105.8	111.7	104.2	112.9	110.4	111.2	85.3	107.3	110.4	110.9
France	105.9	108.5	106.5	104.3	107.1	104.0	113.6	104.8	101.3	107.4	101.3	78.8	104.7	109.9	107.8
Croatia	115.5	113.5	112.6	104.9	101.0	103.3	113.7	105.8	110.2	103.3	112.4	92.5	109.0	112.2	112.1
Italy	108.6	112.7	109.6	93.2	99.9	107.5	115.4	101.7	113.6	110.6	117.2	70.0	110.4	112.9	108.9
Cyprus	107.3	117.2	124.5	126.5	121.4	120.4	128.2	123.1	135.1	143.4	150.0	117.0	140.1	135.2	c
Latvia	117.9	122.3	121.8	121.9	95.1	100.1	115.6	112.0	119.4	122.5	116.8	128.4	126.3	128.0	121.6
Lithuania	109.9	119.9	124.0	119.9	117.3	110.6	124.1	116.8	116.9	118.8	117.4	116.4	122.6	124.6	126.0
Luxembourg	101.1	110.2	105.6	98.3	99.5	98.4	110.6	102.2	101.7	100.4	98.1	89.4	101.4	102.6	102.0*
Hungary	109.0	113.0	116.6	105.6	109.9	113.7	124.4	114.4	120.1	119.0	112.3	103.2	126.5	124.9	123.2
Malta	94.3	100.0	111.3	85.6	96.3	94.8	99.5	100.4	105.6	106.8	109.0	106.3	112.6	111.6	111.8
Netherlands	107.2	109.5	108.9	101.9	103.2	99.6	108.0	99.6	102.4	103.3	97.2	93.0	105.0	107.7	106.6
Austria	112.2	119.8	121.7	114.2	101.3	110.7	127.1	111.3	109.2	115.4	112.0	97.9	115.5	116.8	:
Poland	108.7	116.0	122.1	114.2	114.4	117.0	130.6	121.9	121.3	120.4	116.5	112.6	125.0	131.0	128.9
Portugal	105.6	108.9	105.6	93.3	105.5	102.0	106.6	104.3	110.3	104.1	112.5	87.1	103.1	105.2	105.9
Romania	111.8	121.7	126.5	116.2	112.1	112.9	124.4	114.4	119.5	116.5	112.8	102.2	116.2	117.6	117.0
Slovenia	113.6	125.1	127.9	109.7	123.1	122.5	136.7	126.1	130.4	128.7	127.7	104.2	130.0	133.9	129.5
Slovakia	114.9	121.3	124.5	102.9	113.0	115.6	126.3	116.0	121.3	114.4	99.8	101.4	114.4	121.7	119.0
Finland	110.0	114.3	115.6	121.7	107.8	103.8	119.0	114.6	111.0	116.9	102.9	109.2	118.0	118.8	119.9
Sweden	109.4	116.8	118.3	112.7	109.1	110.3	121.0	112.1	112.7	116.6	90.1	95.2	113.6	116.4	119.7
United Kingdom	107.7	108.2	107.1	104.1	103.0	102.2	115.0	100.6	103.9	103.9	101.4	97.5	104.3	106.0	105.1
Norway	105.3	103.9	106.7	101.7	105.7	95.3	99.7	93.9	96.2	90.9	85.1	92.3	90.2	102.8	105.7
Switzerland	108.4	119.2	126.9	115.2	107.4	109.4	124.3	110.2	117.5	121.3	111.4	98.9	119.8	:	:

* Estimated by Member State

: Data not available

c Confidential

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