

8/2019 - 14 January 2019

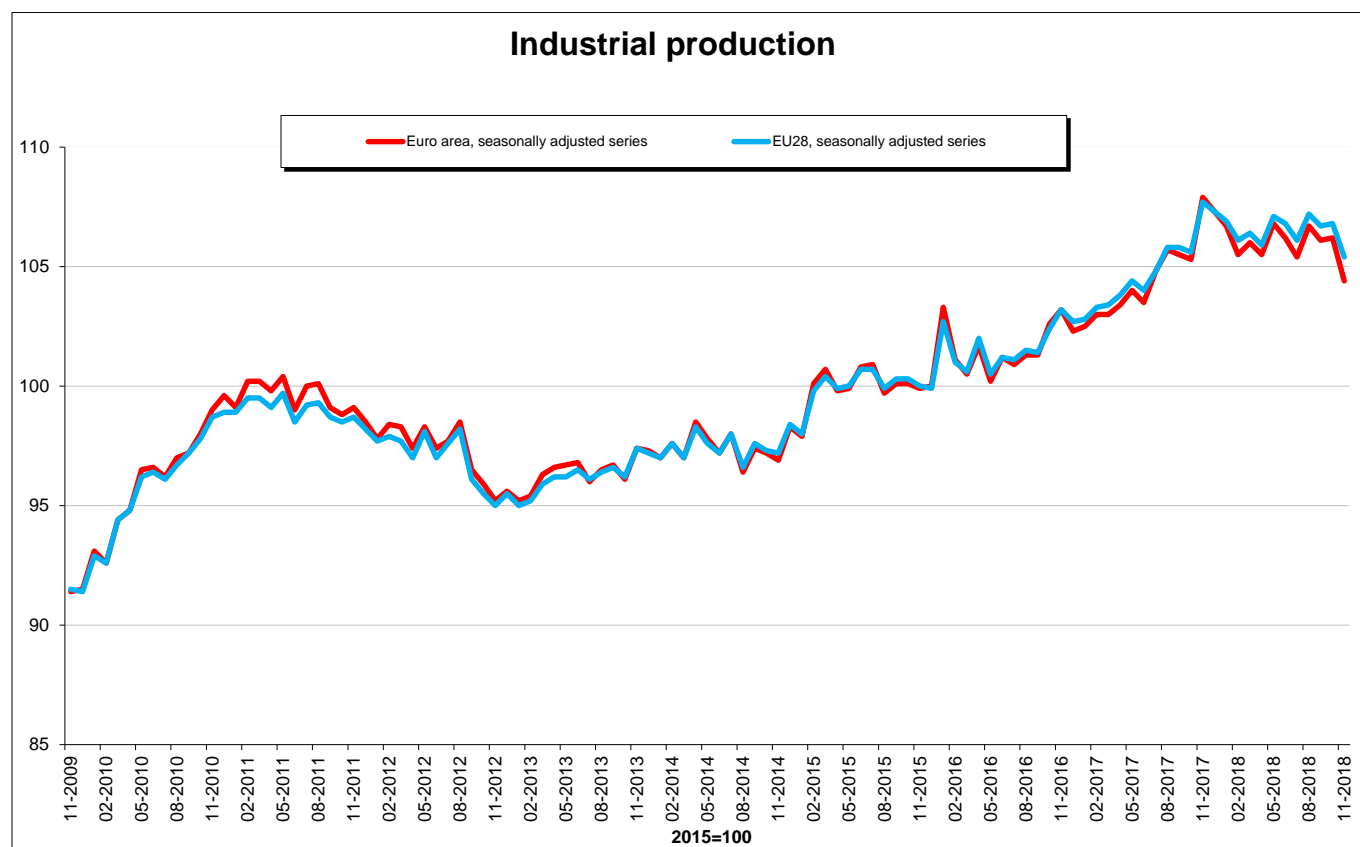
November 2018 compared with October 2018

**Industrial production down by 1.7% in euro area**

Down by 1.3% in EU28

In November 2018 compared with October 2018, seasonally adjusted industrial production fell by 1.7% in the **euro area** (EA19) and by 1.3% in the **EU28**, according to estimates from **Eurostat, the statistical office of the European Union**. In October 2018, industrial production increased by 0.1% in both the **euro area** and in the **EU28**.

In November 2018 compared with November 2017, industrial production fell by 3.3% in the **euro area** and by 2.2% in the **EU28**.



## Monthly comparison by main industrial grouping and by Member State

In the **euro area** in November 2018, compared with October 2018, the production of capital goods fell by 2.3%, durable consumer goods by 1.7%, intermediate goods by 1.2%, non-durable consumer goods by 1.0% and energy by 0.6%.

In the **EU28**, the production of capital goods fell by 1.6%, intermediate goods by 1.1%, durable consumer goods by 1.0%, non-durable consumer goods by 0.6% and energy by 0.5%.

Among Member States for which data are available, the largest decreases in industrial production were observed in **Ireland** (-7.5%), **Portugal** (-2.5%), **Germany** and **Lithuania** (both -1.9%). The highest increases were registered in **Estonia** (+4.5%), **Greece** (+3.1%) and **Malta** (+2.6%).

## Annual comparison by main industrial grouping and by Member State

In the **euro area** in November 2018, compared with November 2017, the production of energy fell by 5.2%, capital goods by 4.5%, durable consumer goods by 3.5%, intermediate goods by 3.0% and non-durable consumer goods by 0.1%.

In the **EU28**, the production of energy fell by 4.3%, capital goods by 3.0%, intermediate goods by 2.2% and durable consumer goods by 1.4%, while the production of non-durable consumer goods rose by 0.7%.

Among Member States for which data are available, the largest decreases in industrial production were observed in **Ireland** (-9.1%), **Germany** (-5.1%), **Portugal** (-2.9%) and **Spain** (-2.8%). The highest increases were registered in **Estonia** (+7.9%), **Poland** (+5.3%) and **Hungary** (+3.5%).

### 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 News Release 190/2018 of 12 December 2018, the monthly percentage change for October 2018 has been revised from +0.2% to +0.1% in both the euro area and the EU28. The annual percentage change remains at +1.2% in the euro area and +1.3% 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-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18
<b>EA19</b>						
Total industry	-0.6	-0.8	1.2	-0.6	0.1	-1.7
Intermediate goods	-0.6	-0.8	0.5	-0.4	0.1	-1.2
Energy	0.5	0.7	1.6	-2.1	-1.4	-0.6
Capital goods	-2.1	0.9	1.9	-0.3	0.7	-2.3
Durable consumer goods	-0.2	-1.6	0.8	-0.2	0.5	-1.7
Non-durable consumer goods	-0.9	-1.3	2.1	-1.5	-0.1	-1.0
<b>EU28</b>						
Total industry	-0.3	-0.7	1.0	-0.5	0.1	-1.3
Intermediate goods	-0.3	-0.7	0.4	-0.3	0.3	-1.1
Energy	0.5	1.1	0.6	-1.1	-1.4	-0.5
Capital goods	-1.5	0.6	1.7	-0.5	0.6	-1.6
Durable consumer goods	-0.5	-0.8	0.1	-0.6	0.6	-1.0
Non-durable consumer goods	-0.2	-1.5	1.5	-1.2	0.2	-0.6

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

Total industry	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18
<b>EA19</b>	-0.6	-0.8	1.2	-0.6	0.1	-1.7
<b>EU28</b>	-0.3	-0.7	1.0	-0.5	0.1	-1.3
<b>Belgium</b>	-2.7	1.4	3.1	-4.9	-0.4	:
<b>Bulgaria</b>	0.8	-1.3	0.1	-0.8	0.6	<b>0.4</b>
<b>Czechia</b>	1.9	-1.7	0.6	0.9	-1.1	<b>0.9</b>
<b>Denmark</b>	0.0	3.2	-3.0	3.3	0.6	-1.3
<b>Germany</b>	-0.6	-1.8	0.6	-0.5	-0.7	-1.9
<b>Estonia</b>	-1.3	-0.9	1.5	-0.7	0.8	<b>4.5</b>
<b>Ireland</b>	-6.2	1.0	8.7	2.8	-0.5	-7.5
<b>Greece</b>	-0.6	1.2	1.4	-1.1	-1.2	<b>3.1</b>
<b>Spain</b>	-0.8	0.0	0.7	-0.9	1.1	-1.6
<b>France</b>	0.7	0.9	0.1	-1.7	1.3	-1.3
<b>Croatia</b>	3.7	-3.7	0.3	-1.5	1.3	-0.3
<b>Italy</b>	0.3	-1.8	1.7	-0.1	-0.1	-1.6
<b>Cyprus</b>	1.7	-3.6	0.2	2.9	0.3	<b>c</b>
<b>Latvia</b>	0.5	1.6	2.2	-3.5	-1.2	<b>1.0</b>
<b>Lithuania</b>	-1.0	0.7	1.3	-3.3	7.2	-1.9
<b>Luxembourg</b>	-0.2	-0.5	1.1	-0.9	2.5	<b>-0.8**</b>
<b>Hungary</b>	-1.2	-2.0	3.9	-2.1	2.0	-1.1
<b>Malta</b>	-0.1	-4.9	5.7	-1.2	1.0	<b>2.6</b>
<b>Netherlands</b>	-0.3	-0.2	0.7	-0.2	0.7	<b>0.0</b>
<b>Austria</b>	-1.5	0.0	-0.7	0.1	1.7	:
<b>Poland</b>	0.0	0.0	0.3	-0.7	1.3	<b>0.0</b>
<b>Portugal</b>	1.9	1.4	1.6	-2.7	-0.5	-2.5
<b>Romania</b>	1.3	-1.7	1.9	0.3	-0.3	<b>0.8</b>
<b>Slovenia</b>	-0.7	0.1	1.4	-2.1	2.3	-0.2
<b>Slovakia</b>	0.6	-1.4	3.2	-0.5	1.2	-0.9
<b>Finland</b>	1.5	-1.7	0.3	2.2	-1.8	<b>0.4</b>
<b>Sweden</b>	0.7	-4.4	2.5	0.8	2.1	-0.4
<b>United Kingdom</b>	1.0	0.3	0.1	-0.6	-0.5	-0.4
<b>Norway</b>	4.1	-1.4	1.6	-2.3	2.3	-1.4

\* Calendar and seasonally adjusted

\*\* Estimated by Member State

:

c Confidential

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

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

	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18
<b>EA19</b>						
Total industry	2.5	0.4	1.1	0.6	1.2	-3.3
Intermediate goods	1.9	0.0	-0.2	-0.4	-0.1	-3.0
Energy	-2.7	-1.2	-0.8	-1.3	-3.0	-5.2
Capital goods	5.0	1.7	1.8	2.2	3.7	-4.5
Durable consumer goods	1.1	-2.5	-1.0	-2.1	0.3	-3.5
Non-durable consumer goods	2.3	-0.2	3.6	1.1	0.8	-0.1
<b>EU28</b>						
Total industry	2.6	1.0	1.4	0.9	1.3	-2.2
Intermediate goods	2.4	0.7	0.5	0.3	0.5	-2.2
Energy	-2.3	-0.1	-0.9	-1.1	-2.1	-4.3
Capital goods	4.8	2.0	2.1	2.0	3.2	-3.0
Durable consumer goods	2.4	0.4	1.3	-1.2	1.3	-1.4
Non-durable consumer goods	2.8	0.8	3.2	1.3	1.5	0.7

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

Total industry	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18
<b>EA19</b>	2.5	0.4	1.1	0.6	1.2	-3.3
<b>EU28</b>	2.6	1.0	1.4	0.9	1.3	-2.2
<b>Belgium</b>	-1.2	-2.3	2.1	-1.4	-1.6	:
<b>Bulgaria</b>	3.6	0.8	1.6	-0.4	1.2	1.2
<b>Czechia</b>	6.5	6.6	1.9	2.7	3.3	1.5
<b>Denmark</b>	-0.9	4.4	-2.4	4.8	4.9	2.8
<b>Germany</b>	3.4	0.9	-0.7	-0.5	0.6	-5.1
<b>Estonia</b>	2.0	3.8	5.8	2.7	1.7	7.9
<b>Ireland</b>	9.2	-5.7	15.9	9.8	6.1	-9.1
<b>Greece</b>	1.2	2.1	1.2	2.0	-0.6	3.1
<b>Spain</b>	0.4	0.8	1.0	-0.7	1.1	-2.8
<b>France</b>	1.6	1.9	1.5	-1.0	-0.5	-1.9
<b>Croatia</b>	3.1	-0.8	-1.1	-2.6	-2.4	-0.9
<b>Italy</b>	1.4	-1.3	-0.8	1.4	1.0	-2.6
<b>Cyprus</b>	11.2	1.6	2.6	8.2	6.9	c
<b>Latvia</b>	0.4	3.5	6.7	-1.3	-1.9	-0.6
<b>Lithuania</b>	5.4	4.2	3.0	-0.4	8.9	2.9
<b>Luxembourg</b>	0.1	-0.1	-0.9	-2.4	3.9	-1.8**
<b>Hungary</b>	3.1	3.8	4.6	2.2	3.2	3.5
<b>Malta</b>	2.6	-4.4	-1.7	-5.4	1.1	2.0
<b>Netherlands</b>	1.2	1.1	2.4	1.4	0.9	0.3
<b>Austria</b>	4.3	3.0	2.0	2.0	4.2	:
<b>Poland</b>	6.7	7.8	5.0	4.9	5.0	5.3
<b>Portugal</b>	-0.2	-0.3	-3.9	-0.5	-0.2	-2.9
<b>Romania</b>	6.2	5.3	4.5	3.9	0.5	2.8
<b>Slovenia</b>	6.1	5.3	6.0	0.5	3.7	2.5
<b>Slovakia</b>	6.3	5.7	8.2	6.2	6.2	3.3
<b>Finland</b>	6.0	2.4	1.8	6.0	2.4	1.6
<b>Sweden</b>	4.7	-0.5	2.3	2.2	4.7	2.6
<b>United Kingdom</b>	0.9	1.1	1.5	-0.7	-0.8	-1.8
<b>Norway</b>	2.9	-0.8	2.3	0.7	4.4	2.7

\* Calendar adjusted

\*\* Estimated by Member State

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c Confidential

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

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

	11/17	12/17	01/18	02/18	03/18	04/18	05/18	06/18	07/18	08/18	09/18	10/18	11/18
<b>EA19</b>	107.9	107.3	106.7	105.5	106.0	105.5	106.8	106.2	105.4	106.7	106.1	106.2	<b>104.4</b>
<b>EU28</b>	107.7	107.3	106.9	106.1	106.4	105.9	107.1	106.8	106.1	107.2	106.7	106.8	<b>105.4</b>
<b>Belgium</b>	109.1	107.5	109.1	106.5	109.1	108.1	110.1	107.1	108.6	112.0	106.5	106.1	:
<b>Bulgaria</b>	106.7	107.7	107.2	106.0	107.8	106.0	108.7	109.6	108.2	108.3	107.4	108.0	<b>108.4</b>
<b>Czechia</b>	113.2	113.3	113.0	111.4	112.1	110.8	113.4	115.5	113.5	114.2	115.2	113.9	<b>114.9</b>
<b>Denmark</b>	105.5	107.4	107.5	106.4	108.1	108.0	105.6	105.6	109.0	105.7	109.2	109.9	<b>108.5</b>
<b>Germany</b>	107.7	107.3	106.7	105.3	106.8	105.5	107.4	106.8	104.9	105.5	105.0	104.3	<b>102.3</b>
<b>Estonia</b>	111.6	113.7	115.9	113.9	117.6	116.0	115.8	114.3	113.3	115.0	114.2	115.1	<b>120.3</b>
<b>Ireland</b>	112.4	98.9	106.6	96.4	87.3	98.4	103.1	96.7	97.7	106.2	109.2	108.7	<b>100.6</b>
<b>Greece</b>	107.3	109.4	109.4	107.4	110.1	106.8	107.8	107.1	108.4	109.9	108.7	107.4	<b>110.7</b>
<b>Spain</b>	107.6	108.4	105.1	106.5	107.7	105.6	106.4	105.6	105.6	106.3	105.3	106.5	<b>104.8</b>
<b>France</b>	104.8	105.0	102.8	104.0	103.5	103.1	102.8	103.5	104.4	104.5	102.7	104.0	<b>102.6</b>
<b>Croatia</b>	107.1	108.6	106.7	108.4	105.4	104.2	106.4	110.3	106.2	106.5	104.9	106.3	<b>106.0</b>
<b>Italy</b>	107.5	109.1	107.1	106.4	107.6	106.1	106.8	107.1	105.2	107.0	106.9	106.8	<b>105.1</b>
<b>Cyprus</b>	120.1	121.7	120.1	119.9	121.3	122.1	124.4	126.5	121.9	122.2	125.8	126.2	<b>c</b>
<b>Latvia</b>	115.2	116.5	114.6	118.9	114.5	114.6	114.4	115.0	116.8	119.4	115.2	113.8	<b>114.9</b>
<b>Lithuania</b>	115.8	116.2	115.1	110.5	112.8	103.6	115.5	114.4	115.2	116.7	112.9	121.0	<b>118.7</b>
<b>Luxembourg</b>	107.0	106.7	105.0	103.1	103.6	101.2	103.5	103.3	102.8	103.9	103.0	105.6	<b>104.8*</b>
<b>Hungary</b>	106.1	107.5	109.0	109.4	108.7	108.6	110.6	109.3	107.1	111.3	109.0	111.2	<b>110.0</b>
<b>Malta</b>	99.3	97.2	97.5	95.7	96.1	95.9	98.0	97.9	93.1	98.4	97.2	98.2	<b>100.8</b>
<b>Netherlands</b>	104.6	104.7	106.3	104.8	105.3	103.4	104.1	103.8	103.6	104.3	104.1	104.8	<b>104.8</b>
<b>Austria</b>	111.3	111.9	110.6	111.6	111.1	111.2	114.5	112.8	112.8	112.0	112.1	114.0	:
<b>Poland</b>	111.9	113.9	113.2	114.5	114.1	115.0	117.0	117.0	117.0	117.3	116.5	118.0	<b>118.0</b>
<b>Portugal</b>	106.4	104.5	107.4	105.0	109.6	106.4	104.2	106.2	107.7	109.4	106.4	105.9	<b>103.3</b>
<b>Romania</b>	115.5	120.5	116.4	115.6	116.4	119.1	118.6	120.2	118.2	120.5	120.9	120.5	<b>121.5</b>
<b>Slovenia</b>	120.2	123.4	121.2	120.9	121.2	121.2	122.3	121.5	121.6	123.3	120.7	123.5	<b>123.2</b>
<b>Slovakia</b>	111.4	108.8	109.4	110.2	110.7	111.8	113.0	113.7	112.1	115.7	115.1	116.5	<b>115.4</b>
<b>Finland</b>	110.2	112.3	112.0	110.4	112.6	110.6	111.2	112.9	111.0	111.3	113.8	111.8	<b>112.2</b>
<b>Sweden</b>	108.9	110.0	109.5	109.1	109.6	105.5	110.1	110.9	106.0	108.7	109.6	111.9	<b>111.5</b>
<b>United Kingdom</b>	104.2	103.3	104.0	104.1	103.9	103.3	102.8	103.8	104.1	104.2	103.6	103.1	<b>102.7</b>
<b>Norway</b>	99.6	99.1	102.2	102.0	101.1	100.1	99.1	103.2	101.8	103.4	101.0	103.3	<b>101.9</b>

\* 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)

	11/15	11/16	11/17	12/17	01/18	02/18	03/18	04/18	05/18	06/18	07/18	08/18	09/18	10/18	11/18
<b>EA19</b>	104.7	108.3	113.5	102.9	103.1	102.4	113.2	104.3	106.3	108.8	107.0	90.3	110.7	113.1	<b>109.8</b>
<b>EU28</b>	104.9	108.4	113.2	103.9	103.6	103.0	113.7	104.8	106.8	109.1	105.5	93.1	110.7	113.2	<b>110.7</b>
<b>Belgium</b>	101.9	104.9	109.5	105.4	105.7	103.0	118.1	108.1	108.6	112.8	101.9	103.9	111.2	110.9	:
<b>Bulgaria</b>	107.1	110.9	113.1	113.6	102.4	99.5	110.5	101.3	104.4	112.5	111.6	104.8	106.5	111.0	<b>114.5</b>
<b>Czechia</b>	107.9	112.5	121.7	105.7	108.8	108.1	120.9	111.1	115.8	121.0	102.0	105.1	118.8	120.6	<b>123.5</b>
<b>Denmark</b>	104.3	117.1	115.2	103.4	108.3	103.3	112.7	103.7	104.5	106.8	94.9	102.6	113.1	119.6	<b>118.4</b>
<b>Germany</b>	105.5	108.2	114.8	101.3	99.1	101.4	115.0	104.4	105.5	109.5	105.5	98.7	109.9	108.2	<b>108.9</b>
<b>Estonia</b>	101.2	113.2	116.3	108.0	111.3	106.9	124.7	116.8	120.9	114.5	102.9	113.0	118.0	123.4	<b>125.5</b>
<b>Ireland</b>	102.9	115.0	121.9	101.4	126.9	83.7	71.1	98.5	91.4	82.2	96.4	86.8	123.9	139.4	<b>110.8</b>
<b>Greece</b>	99.6	101.7	104.1	105.8	100.4	105.3	111.9	105.7	109.9	114.4	120.3	106.4	111.1	104.5	<b>107.3</b>
<b>Spain</b>	104.1	107.2	112.4	102.2	102.3	105.7	115.7	102.7	111.5	109.0	110.4	84.2	106.9	112.3	<b>109.2</b>
<b>France</b>	102.5	105.6	108.4	105.6	104.6	104.2	114.1	103.9	98.0	108.3	102.4	79.9	104.8	110.3	<b>106.3</b>
<b>Croatia</b>	107.8	115.5	113.6	111.9	96.5	102.6	110.3	102.6	110.0	109.2	109.1	94.1	106.7	112.0	<b>112.6</b>
<b>Italy</b>	105.6	108.7	112.7	98.7	100.7	106.4	117.8	103.5	114.5	112.2	118.2	71.5	113.0	116.0	<b>109.8</b>
<b>Cyprus</b>	101.1	107.5	115.6	122.8	111.8	110.4	120.6	118.3	129.1	136.6	142.8	108.0	131.2	127.8	<b>c</b>
<b>Latvia</b>	106.1	117.8	122.2	116.9	96.3	102.4	114.0	114.7	117.0	117.4	118.7	125.8	118.2	123.6	<b>121.5</b>
<b>Lithuania</b>	107.8	110.1	120.0	114.6	110.7	106.9	117.5	101.9	114.4	115.6	111.8	115.0	113.4	127.3	<b>123.5</b>
<b>Luxembourg</b>	103.4	101.5	110.5	103.8	101.2	100.6	112.1	102.1	103.8	104.8	102.4	90.6	104.7	111.9	<b>108.5*</b>
<b>Hungary</b>	108.7	109.0	113.1	98.9	104.3	107.0	114.8	107.9	113.4	114.2	103.6	100.7	116.0	118.0	<b>117.1</b>
<b>Malta</b>	96.3	96.7	99.8	84.3	94.0	91.3	102.6	96.7	101.4	102.4	95.8	92.5	102.0	101.9	<b>101.8</b>
<b>Netherlands</b>	105.3	107.2	109.5	106.4	104.5	101.0	111.0	101.8	104.0	106.0	99.7	95.3	105.4	108.5	<b>109.8</b>
<b>Austria</b>	107.9	112.3	119.7	113.0	96.8	104.9	120.4	110.6	112.8	116.1	113.3	100.2	117.9	120.0	:
<b>Poland</b>	105.8	108.7	116.1	110.9	108.1	109.6	121.2	114.1	115.4	118.1	112.8	111.9	121.1	126.5	<b>122.3</b>
<b>Portugal</b>	102.3	105.6	108.9	94.9	108.4	104.4	114.3	105.6	109.0	109.8	114.0	91.6	108.0	106.9	<b>105.7</b>
<b>Romania</b>	107.9	111.8	121.7	115.8	112.2	110.8	122.6	115.1	122.1	120.8	119.1	108.5	121.2	121.9	<b>125.1</b>
<b>Slovenia</b>	104.6	113.6	125.1	113.8	115.8	117.4	132.2	119.4	126.3	126.9	121.6	105.0	126.8	130.5	<b>128.2</b>
<b>Slovakia</b>	111.0	114.9	120.9	99.2	105.7	109.7	117.7	108.9	116.1	116.9	97.9	111.2	117.9	126.7	<b>124.9</b>
<b>Finland</b>	103.4	109.7	114.5	117.4	106.7	102.0	119.2	108.5	112.1	119.0	99.0	105.3	118.3	117.3	<b>116.3</b>
<b>Sweden</b>	109.2	109.5	116.9	110.8	106.1	107.4	120.9	107.7	112.0	117.0	85.6	93.5	112.7	119.9	<b>119.9</b>
<b>United Kingdom</b>	103.4	106.1	107.9	105.0	102.7	101.9	111.6	102.9	102.9	103.8	100.6	97.8	104.4	105.1	<b>106.0</b>
<b>Norway</b>	103.9	105.3	103.9	100.5	109.4	101.2	106.5	98.0	98.6	99.6	90.2	101.8	98.0	108.9	<b>106.7</b>

\* Estimated by Member State

: Data not available

c Confidential

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