

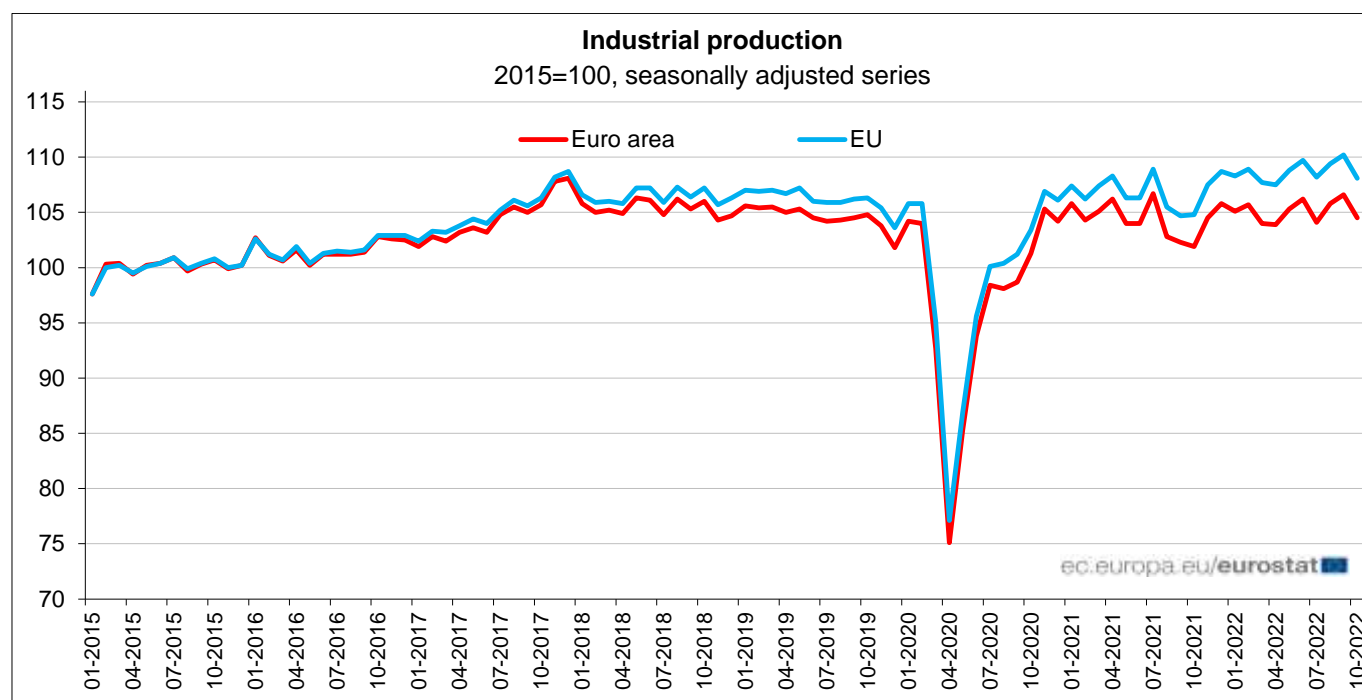
October 2022 compared with September 2022

Industrial production down by 2.0% in the euro area and by 1.9% in the EU

Up by 3.4% and 3.7% compared with October 2021

In October 2022, the seasonally adjusted industrial production fell by 2.0% in the **euro area** and by 1.9% in the **EU**, compared with September 2022, according to estimates from **Eurostat, the statistical office of the European Union**. In September 2022, industrial production increased by 0.8% in the **euro area** and by 0.7% in the **EU**.

In October 2022 compared with October 2021, industrial production increased by 3.4% in the **euro area** and by 3.7% in the **EU**.



Monthly comparison by main industrial grouping and by Member State

In the **euro area** in October 2022, compared with September 2022, production of energy fell by 3.9%, durable consumer goods by 1.9%, intermediate goods by 1.3% and capital goods by 0.6%, while production of non-durable consumer goods rose by 0.3%.

In the **EU**, production of energy fell by 3.5%, durable consumer goods by 1.5%, intermediate goods by 1.2% and capital goods by 0.6%, while production of non-durable consumer goods rose by 0.2%.

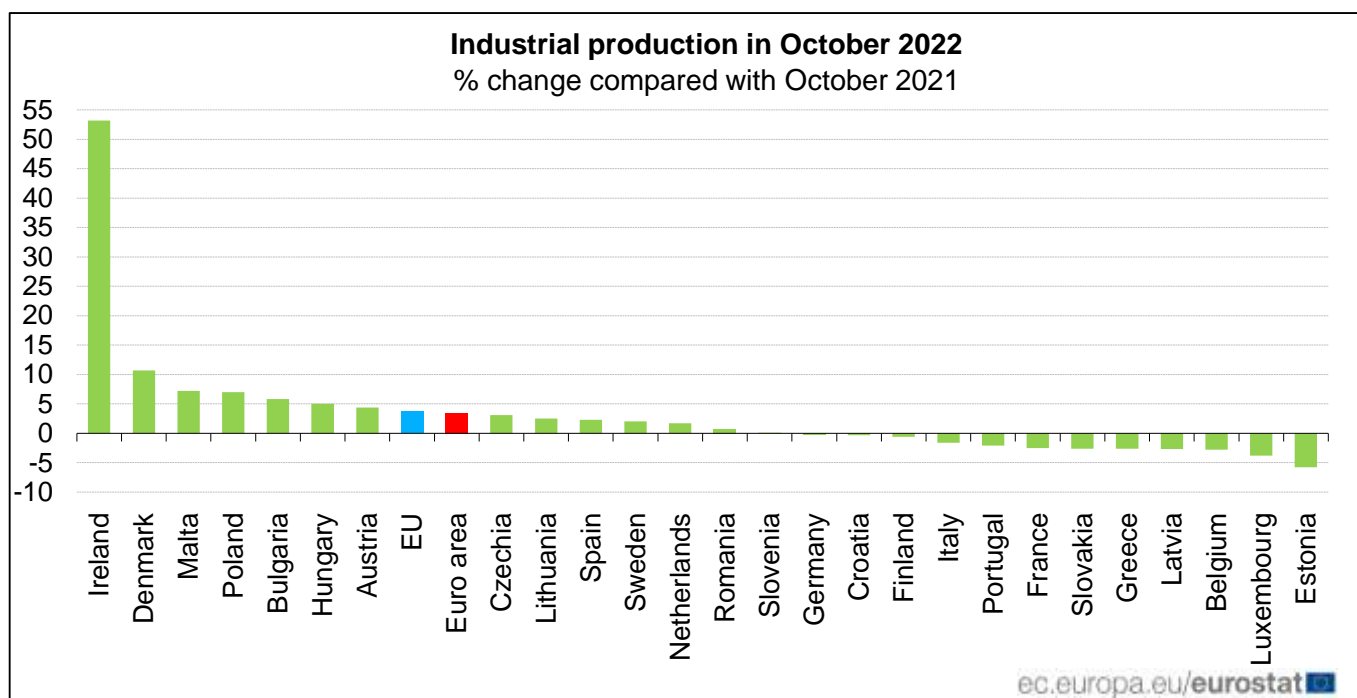
Among Member States for which data are available, the largest monthly decreases were registered in **Ireland** (-10.7%), **Luxembourg** (-4.4%) and **Czechia** (-3.7%). Increases were observed in **Slovakia** (+1.3%), **Lithuania** (+1.1%), **Greece** (+0.5%) and **Austria** (+0.2%).

Annual comparison by main industrial grouping and by Member State

In the **euro area** in October 2022, compared with October 2021, production of non-durable consumer goods rose by 10.5% and capital goods by 9.2%, while production of durable consumer goods fell by 0.1 %, intermediate goods by 2.9% as well as energy by 8.7%.

In the **EU**, production of non-durable consumer goods rose by 11.4% and capital goods by 9.9%, while production of durable consumer goods fell by 0.8 %, intermediate goods by 2.5% as well as energy by 9.0%.

Among Member States for which data are available, the highest annual increases were registered in **Ireland** (+53.2%), **Denmark** (+10.7%) and **Malta** (+7.2%). The largest decreases were observed in **Estonia** (-5.8%), **Luxembourg** (-3.8%) and **Belgium** (-2.8%).



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** (EU27) 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 and Sweden.

Cyprus has a derogation with respect to Regulation (EU) 2019/2152 to have a longer deadline until the end of 2023.

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.

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 127/2022 of 14 November 2022, the monthly percentage change for September 2022 has been revised from +0.9% to +0.8% in the euro area and from +0.9% to +0.7% in the EU. The annual percentage change has been revised from +4.9% to +5.1% in the euro area and from +5.7% to +5.8% in the EU.

For more information

Eurostat [database section](#) on short-term business statistics

Eurostat [Statistics Explained article](#) on the industrial production index

Eurostat [Statistics Explained article](#) on the impact of COVID-19 crisis on industrial production

The [weights of the Member States in the EU and euro area aggregates](#)

(See file NEWS_RELEASE_WEIGHTINGS_2015)

Eurostat [Euro indicators dashboard](#)

Eurostat €-indicators [release calendar](#)

European Statistics [Code of Practice](#)

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Industrial production
% change compared with previous month*

	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22
Euro area						
Total industry	1.3	0.9	-2.0	1.6	0.8	-2.0
Intermediate goods	0.2	-0.1	-1.0	-0.6	-0.7	-1.3
Energy	-3.5	1.0	-0.5	0.0	-1.9	-3.9
Capital goods	2.9	3.2	-4.1	2.8	2.0	-0.6
Durable consumer goods	1.2	-1.2	-1.3	1.1	-0.5	-1.9
Non-durable consumer goods	2.8	-4.5	2.3	1.6	3.3	0.3
EU						
Total industry	1.2	0.8	-1.4	1.1	0.7	-1.9
Intermediate goods	0.3	-0.3	-1.0	-0.5	-0.6	-1.2
Energy	-3.2	0.8	0.2	-1.1	-2.4	-3.5
Capital goods	2.9	2.8	-3.2	2.1	2.2	-0.6
Durable consumer goods	0.8	-1.4	-1.5	0.4	-0.3	-1.5
Non-durable consumer goods	2.2	-3.2	1.7	1.5	2.9	0.2

Source dataset: [sts_inpr_m](#)

Total industry	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22
Euro area	1.3	0.9	-2.0	1.6	0.8	-2.0
EU	1.2	0.8	-1.4	1.1	0.7	-1.9
Belgium	0.6	-2.4	1.7	-3.4	7.6	-2.0
Bulgaria	1.4	-0.7	1.1	0.2	-2.6	-2.0
Czechia	1.9	1.8	-0.6	1.0	0.0	-3.7
Denmark	2.7	1.4	-2.3	1.2	2.4	-2.4
Germany	0.1	1.3	-0.4	-0.7	1.3	-0.9
Estonia	-0.5	-2.1	-7.5	4.8	-3.7	-0.9
Ireland**	23.3	7.6	-16.5	14.3	7.1	-10.7
Greece	3.2	3.5	0.9	-1.0	-4.7	0.5
Spain	-0.1	1.0	-1.0	0.2	-0.3	-0.4
France	0.1	1.3	-1.7	2.6	-0.8	-2.6
Croatia	0.4	0.6	-1.1	-0.8	0.4	-1.4
Italy	-1.2	-2.0	0.4	2.2	-1.7	-1.0
Cyprus	-0.8	-4.3	2.0	-0.4	-0.2	:
Latvia	0.2	-2.3	-1.5	0.3	-1.0	0.0
Lithuania	-7.5	-2.3	9.3	4.8	-7.2	1.1
Luxembourg	-2.2	-0.5	0.4	0.2	1.9	-4.4
Hungary	1.3	0.6	0.6	0.3	1.4	-3.5
Malta	3.4	4.3	4.9	-0.7	1.3	-2.8
Netherlands	-1.8	-0.7	0.2	-1.7	1.7	-1.5
Austria	0.5	-0.1	-3.8	6.2	-2.3	0.2
Poland	-0.7	-0.2	0.5	0.3	-0.2	-0.5
Portugal	-0.5	-1.1	-0.1	1.9	-2.2	-1.8
Romania	-0.7	-2.4	0.5	0.1	-0.5	-0.4
Slovenia	0.7	-0.2	0.5	0.8	-1.7	-0.3
Slovakia	2.2	-1.8	1.2	-0.8	-0.7	1.3
Finland	0.0	1.0	-2.7	0.5	1.4	-2.4
Sweden	0.5	1.7	7.8	-7.1	1.7	-1.3
Norway	0.8	-1.7	2.3	3.1	-2.4	-1.2
Switzerland	1.2	3.9	-7.6	5.1	6.1	:

* Calendar and seasonally adjusted

** CSO Ireland is carrying out a review of the seasonal adjustment methodology for industrial production.

: Data not available

Source dataset: [sts_inpr_m](#)

Industrial production

% change compared with same month of the previous year*

	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22
Euro area						
Total industry	1.6	2.2	-2.5	2.6	5.1	3.4
Intermediate goods	0.2	-0.3	-2.0	-0.5	-1.9	-2.9
Energy	-1.9	0.4	0.3	-0.6	-4.0	-8.7
Capital goods	1.0	8.0	-5.0	7.9	14.2	9.2
Durable consumer goods	6.8	4.2	2.5	7.3	3.8	-0.1
Non-durable consumer goods	6.2	-3.2	-1.4	1.1	5.4	10.5
EU						
Total industry	2.7	3.2	-0.8	3.8	5.8	3.7
Intermediate goods	0.9	0.1	-1.5	0.0	-1.2	-2.5
Energy	0.8	2.4	2.7	0.6	-3.2	-9.0
Capital goods	1.7	7.9	-3.2	8.7	14.8	9.9
Durable consumer goods	5.7	2.8	1.7	4.4	2.2	-0.8
Non-durable consumer goods	8.1	0.8	1.9	3.6	8.0	11.4

Source dataset: [sts_inpr_m](#)

Total industry	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22
Euro area	1.6	2.2	-2.5	2.6	5.1	3.4
EU	2.7	3.2	-0.8	3.8	5.8	3.7
Belgium	-1.1	-11.2	-5.3	-7.3	1.3	-2.8
Bulgaria	20.5	17.7	18.0	16.5	10.6	5.8
Czechia	1.5	2.7	0.4	6.9	8.3	3.1
Denmark	18.4	24.6	13.5	11.1	20.2	10.7
Germany	-1.5	0.3	-0.9	2.2	4.1	-0.2
Estonia	4.8	0.0	-6.5	0.6	-7.9	-5.8
Ireland	3.1	19.4	-24.5	9.4	29.6	53.2
Greece	4.6	9.5	7.1	4.9	-1.1	-2.6
Spain	5.1	7.5	4.9	5.0	3.8	2.3
France	-0.2	1.3	-1.4	0.8	1.9	-2.5
Croatia	3.0	3.9	2.9	0.7	2.2	-0.3
Italy	3.4	-1.1	-1.3	2.9	-0.5	-1.6
Cyprus	3.3	1.7	1.3	-2.3	1.9	:
Latvia	6.4	0.7	-3.2	-1.0	-3.7	-2.7
Lithuania	4.6	1.5	9.8	16.3	2.8	2.5
Luxembourg	-1.4	-3.3	0.1	-1.9	1.2	-3.8
Hungary	3.5	4.7	5.9	9.0	11.6	5.0
Malta	-4.0	-1.8	5.8	11.3	13.8	7.2
Netherlands	4.6	2.3	1.4	1.6	3.6	1.7
Austria	10.1	10.6	3.7	8.8	7.2	4.4
Poland	12.4	10.5	9.7	11.0	10.0	7.0
Portugal	3.2	4.5	0.7	3.9	-0.2	-2.1
Romania	2.6	-3.1	-0.9	-1.6	0.7	0.7
Slovenia	3.8	1.9	4.1	4.3	1.1	0.1
Slovakia	1.1	-5.7	-6.4	-2.0	-1.8	-2.6
Finland	5.0	8.6	2.6	2.5	4.2	-0.6
Sweden	1.1	1.8	10.1	3.2	5.7	2.0
Norway	5.0	2.2	1.7	4.8	1.0	3.5
Switzerland	5.0	9.6	0.1	5.2	11.4	:

* Calendar adjusted

: Data not available

Source dataset: [sts_inpr_m](#)

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

	10-21	11-21	12-21	01-22	02-22	03-22	04-22	05-22	06-22	07-22	08-22	09-22	10-22
Euro area	101.9	104.5	105.8	105.1	105.7	104.0	103.9	105.3	106.2	104.1	105.8	106.6	104.5
EU	104.8	107.5	108.7	108.3	108.9	107.7	107.5	108.8	109.7	108.2	109.4	110.2	108.1
Belgium	132.2	125.4	128.1	129.0	128.1	127.9	126.2	127.0	124.0	126.1	121.8	131.1	128.5
Bulgaria	114.0	115.8	117.3	119.9	120.3	126.6	126.6	128.4	127.5	128.9	129.2	125.8	123.3
Czechia	108.1	114.6	110.4	114.2	110.4	112.8	111.4	113.5	115.5	114.8	116.0	116.0	111.7
Denmark	118.0	120.0	120.1	120.4	122.7	127.1	127.9	131.3	133.2	130.1	131.6	134.7	131.5
Germany	95.3	96.0	97.1	97.3	97.7	93.0	94.7	94.8	96.0	95.6	94.9	96.1	95.2
Estonia	125.0	128.6	130.4	123.7	123.0	129.3	130.6	130.0	127.3	117.8	123.5	118.9	117.8
Ireland*	90.5	125.3	137.9	130.3	135.8	137.5	116.5	143.6	154.5	129.0	147.4	157.9	141.0
Greece	120.8	120.2	120.7	115.5	118.3	124.5	115.1	118.8	123.0	124.1	122.8	117.0	117.6
Spain	103.3	105.5	105.5	105.1	106.2	104.1	106.5	106.4	107.5	106.4	106.6	106.3	105.9
France	99.1	98.0	97.9	99.7	98.3	97.9	97.5	97.6	98.9	97.2	99.7	98.9	96.3
Croatia	110.3	109.8	112.2	112.4	112.7	113.6	112.2	112.6	113.3	112.0	111.1	111.5	109.9
Italy	105.2	106.8	105.7	102.1	106.0	106.1	107.4	106.1	104.0	104.4	106.7	104.9	103.8
Cyprus	132.4	131.3	130.2	131.9	133.1	138.3	137.1	136.0	130.1	132.7	132.2	132.0	:
Latvia	123.0	122.7	126.6	125.4	122.2	126.2	125.8	126.1	123.2	121.4	121.8	120.6	120.6
Lithuania	150.3	150.7	155.9	158.8	152.1	171.0	159.5	147.6	144.2	157.6	165.1	153.2	154.9
Luxembourg	95.4	95.4	97.1	97.5	97.4	93.1	96.1	94.0	93.5	93.9	94.1	95.9	91.7
Hungary	117.4	120.5	121.4	122.7	125.3	124.9	123.0	124.6	125.3	126.0	126.4	128.2	123.7
Malta	101.4	99.9	98.7	100.6	97.6	103.2	98.3	101.6	106.0	111.2	110.4	111.8	108.7
Netherlands	103.0	104.0	105.9	105.0	103.5	103.7	109.4	107.4	106.6	106.8	105.0	106.8	105.2
Austria	122.0	124.5	126.8	130.7	126.4	126.0	127.2	127.8	127.7	122.8	130.4	127.4	127.7
Poland	140.3	145.8	145.8	149.3	152.2	153.1	152.5	151.5	151.2	151.9	152.3	152.0	151.2
Portugal	99.0	101.0	102.4	97.2	98.0	103.0	100.8	100.3	99.2	99.1	101.0	98.8	97.0
Romania	107.0	110.2	111.5	113.5	112.1	111.1	111.4	110.6	108.0	108.5	108.6	108.1	107.7
Slovenia	129.8	134.1	136.5	137.6	126.8	131.0	130.6	131.5	131.3	131.9	132.9	130.6	130.2
Slovakia	110.6	120.2	118.8	115.8	113.3	107.5	106.4	108.7	106.7	108.0	107.1	106.3	107.7
Finland	116.2	116.2	119.9	116.2	116.6	115.0	118.8	118.8	120.0	116.8	117.4	119.0	116.2
Sweden	114.9	114.9	115.2	114.3	114.0	115.9	113.9	114.5	116.5	125.6	116.7	118.7	117.1
Norway	104.1	100.9	103.7	104.7	103.9	106.5	106.2	107.0	105.2	107.6	110.9	108.2	106.9
Switzerland	117.9	127.1	126.2	126.7	130.0	129.4	127.5	129.0	134.0	123.8	130.1	138.0	:

* CSO Ireland is carrying out a review of the seasonal adjustment methodology for industrial production.

: Data not available

Source dataset: [sts_inpr_m](#)

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

	10-19	10-20	10-21	11-21	12-21	01-22	02-22	03-22	04-22	05-22	06-22	07-22	08-22	09-22	10-22
Euro area	113.2	109.1	109.2	110.1	99.8	102.5	102.3	110.1	103.0	104.4	107.5	105.2	89.5	113.5	112.9
EU	114.6	111.1	112.2	113.5	103.0	105.5	105.5	114.6	106.6	108.1	111.2	107.4	93.9	116.7	116.3
Belgium	118.3	124.5	140.5	126.6	125.3	126.7	124.2	137.0	122.3	125.0	132.2	117.8	112.0	137.7	136.6
Bulgaria	111.8	108.8	119.0	122.8	119.7	116.1	114.6	133.1	123.6	123.4	129.6	132.4	124.2	125.2	125.9
Czechia	120.4	122.0	115.5	125.0	103.5	110.6	107.0	121.8	110.9	115.3	120.6	103.4	105.1	120.1	119.1
Denmark	118.4	108.3	124.7	126.3	115.9	121.7	118.2	134.3	123.5	130.8	135.1	115.1	127.9	143.3	138.1
Germany	103.1	99.7	98.5	102.3	92.1	91.3	94.5	100.8	93.4	93.2	97.4	95.7	88.3	100.6	98.3
Estonia	124.8	130.5	133.9	134.2	125.0	118.3	115.9	137.3	130.4	135.5	127.9	106.3	121.5	123.0	126.1
Ireland	180.3	150.1	133.7	137.0	116.4	152.9	108.4	111.6	117.7	122.9	125.6	126.7	125.5	210.4	204.8
Greece	104.6	101.1	118.7	117.4	120.4	105.7	114.9	126.0	113.3	118.8	128.5	137.9	116.8	121.9	115.6
Spain	110.4	108.9	108.0	111.4	97.0	102.0	105.9	107.5	105.1	112.0	112.8	112.5	85.5	108.8	110.5
France	110.4	105.6	105.0	101.7	98.7	103.1	98.2	107.0	97.3	93.0	103.0	95.4	76.9	100.8	102.4
Croatia	112.2	114.7	117.7	114.2	109.1	101.8	109.2	119.9	112.3	115.1	114.1	118.3	96.9	113.2	117.4
Italy	113.5	111.4	114.0	112.1	92.4	96.1	108.5	117.4	107.6	114.1	107.9	114.9	72.0	110.6	112.2
Cyprus	136.9	133.0	137.0	128.5	129.7	123.5	125.0	135.6	129.7	136.2	140.6	155.9	116.7	141.4	:
Latvia	128.2	127.1	130.5	126.7	132.2	99.7	102.6	124.1	127.8	131.8	132.4	123.7	128.6	125.1	127.0
Lithuania	125.6	127.1	157.4	156.1	160.5	154.7	147.4	179.5	157.2	145.7	141.7	149.2	158.6	152.2	161.4
Luxembourg	102.8	99.9	100.5	97.2	90.3	94.9	95.3	101.4	98.4	94.7	95.9	93.6	82.2	99.0	96.7
Hungary	124.8	127.3	123.7	127.9	109.4	117.8	126.7	135.5	121.3	126.2	130.2	122.0	113.3	137.4	129.9
Malta	110.8	114.0	107.9	100.7	84.1	96.9	90.3	103.4	97.7	103.8	111.6	121.9	108.1	117.7	115.7
Netherlands	107.9	105.2	108.1	109.3	105.6	103.3	98.2	109.7	107.9	107.0	109.5	103.6	95.0	109.9	109.9
Austria	116.6	118.9	128.1	132.2	124.8	116.4	119.8	138.3	127.2	126.7	133.5	124.7	114.7	132.9	133.8
Poland	131.4	135.7	149.3	152.8	140.0	144.3	148.2	166.9	152.8	150.6	151.0	145.1	140.4	154.5	159.8
Portugal	105.5	106.8	100.4	103.5	92.8	97.6	96.5	106.8	99.6	104.7	102.6	105.0	85.6	100.8	98.3
Romania	117.6	118.5	110.9	116.2	105.8	108.6	107.7	116.4	106.9	115.3	110.2	109.3	98.9	109.5	111.7
Slovenia	133.4	132.3	136.5	138.9	122.2	132.5	123.7	144.3	131.1	137.4	136.9	134.0	112.5	134.9	136.6
Slovakia	122.1	119.0	118.3	127.6	110.9	112.7	114.5	117.2	103.0	112.0	112.0	97.2	99.3	107.0	115.2
Finland	118.7	115.5	121.2	121.6	132.5	109.4	108.9	121.0	119.4	117.8	121.7	102.2	112.4	122.7	120.5
Sweden	118.4	117.2	122.1	123.3	118.1	111.2	113.0	130.8	115.3	115.0	122.8	99.5	99.1	122.7	124.5
Norway	102.7	102.7	109.9	107.7	107.7	112.7	103.9	111.5	103.0	106.2	100.1	94.3	107.9	104.7	113.7
Switzerland	129.2	121.6	126.4	133.4	123.1	124.0	123.5	143.9	119.2	126.4	145.9	121.9	112.3	141.2	:

: Data not available

Source dataset: sts_inpr_m