

137/2023 - 13 December 2023

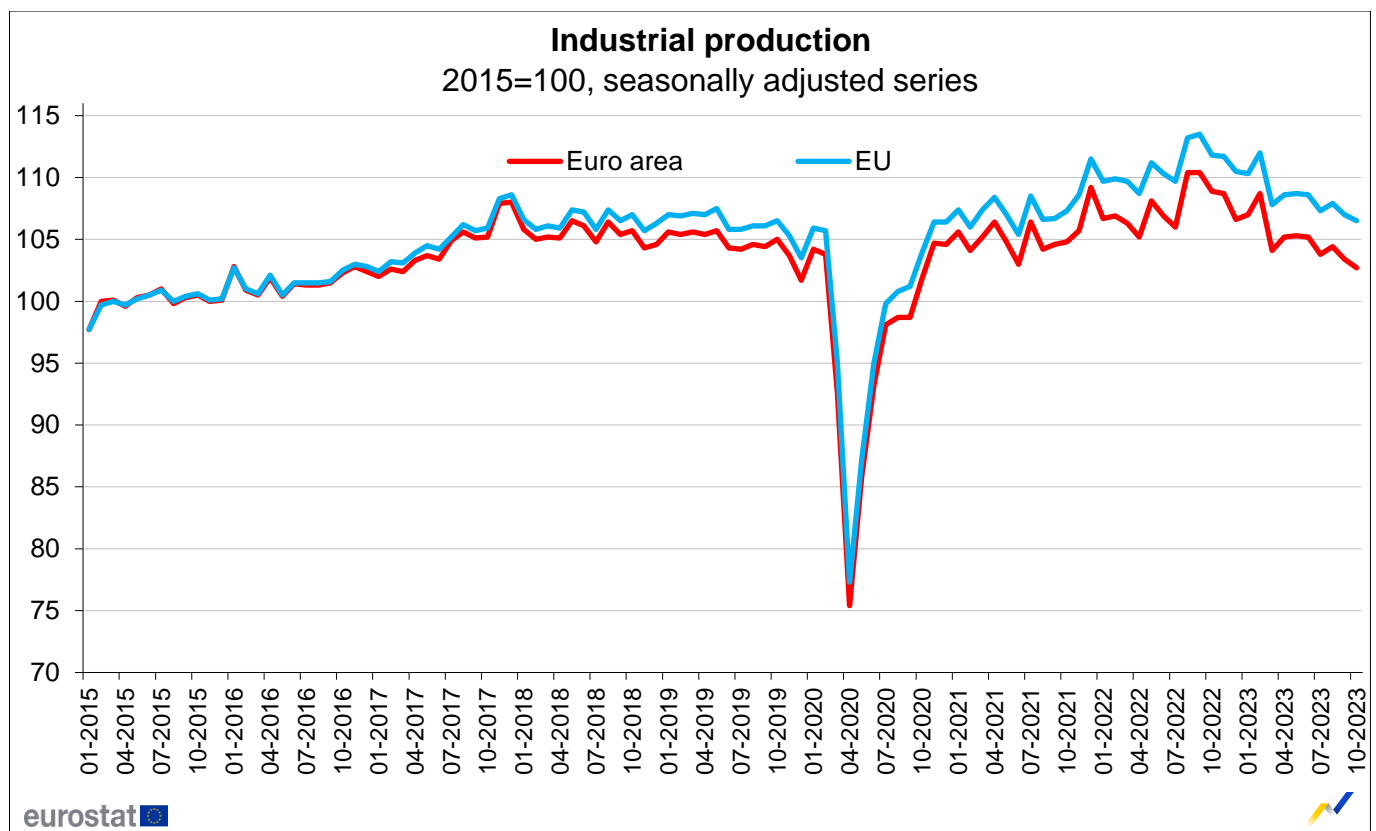
October 2023 compared with September 2023

Industrial production down by 0.7% in the euro area and by 0.5% in the EU

Down by 6.6% in the euro area and by 5.5% in the EU compared with October 2022

In October 2023, the seasonally adjusted industrial production decreased by 0.7% in the **euro area** and by 0.5% in the **EU**, compared with September 2023, according to estimates from **Eurostat, the statistical office of the European Union**. In September 2023, industrial production decreased by 1.0% in the **euro area** and by 0.8% in the **EU**.

In October 2023 compared with October 2022, industrial production decreased by 6.6% in the **euro area** and by 5.5% in the **EU**.



Monthly comparison by main industrial grouping and by Member State

In the **euro area** in October 2023, compared with September 2023, production of capital goods fell by 1.4%, intermediate goods and non-durable consumer goods both by 0.6%, while production of durable consumer goods grew by 0.2% and energy by 1.1%.

In the **EU**, production of capital goods fell by 0.9%, intermediate goods by 0.7% and non-durable consumer goods by 0.5%, while production of durable consumer goods grew by 0.3% and energy by 2.2%.

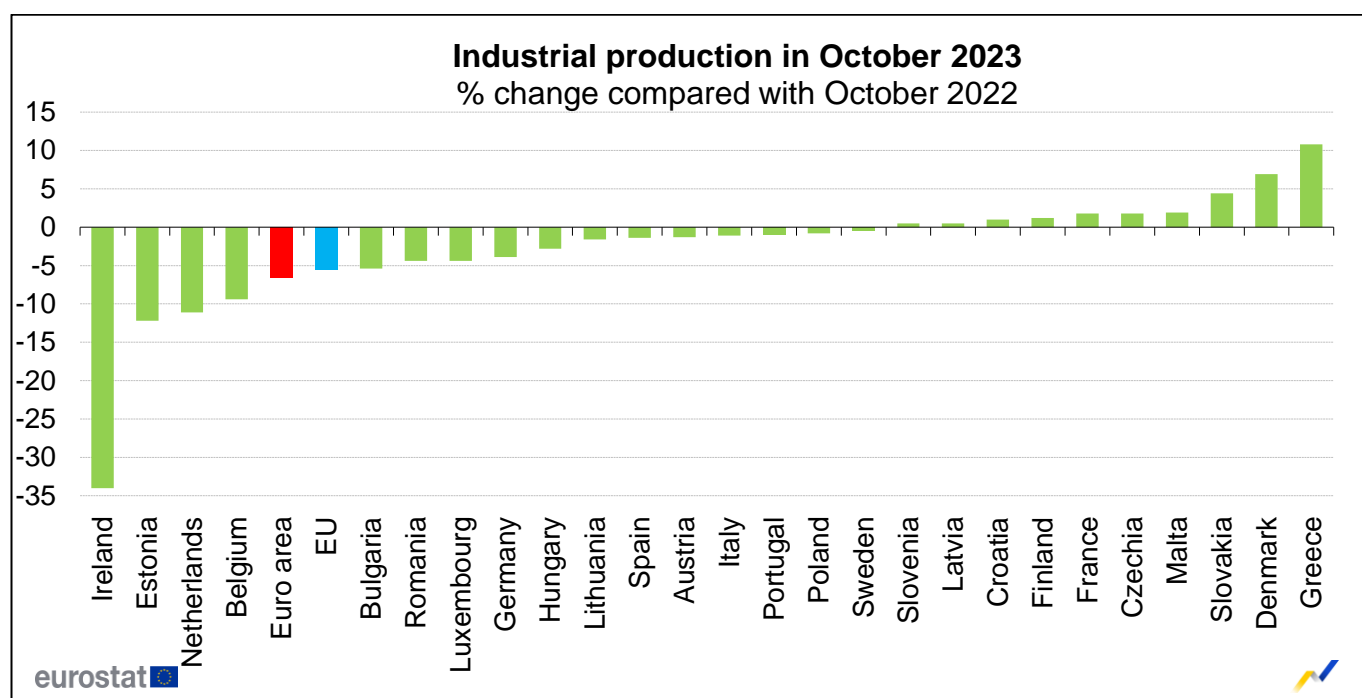
Among Member States for which data are available, the largest monthly decreases were registered in **Ireland** (-7.0%), **Malta** (-2.5%) and the **Netherlands** (-2.1%). The highest increases were observed in **Greece** (+6.0%), **Portugal** (+3.8%) and **Czechia** (+2.9%).

Annual comparison by main industrial grouping and by Member State

In the **euro area** in October 2023, compared with October 2022, production of capital goods fell by 9.7%, non-durable consumer goods by 7.8%, durable consumer goods by 6.2%, intermediate goods by 4.1% and energy by 0.5%.

In the **EU**, production of capital goods fell by 8.0%, durable consumer goods by 7.0%, non-durable consumer goods by 5.2% and intermediate goods by 4.4%, while production of energy grew by 0.3%.

Among Member States for which data are available, the largest annual decreases were registered in **Ireland** (-34.0%), **Estonia** (-12.2%) and the **Netherlands** (-11.1%). The highest increases were observed in **Greece** (+10.8%), **Denmark** (+6.9%) and **Slovakia** (+4.4%).



Geographical information

The **euro area** (EA20) includes Belgium, Germany, Estonia, Ireland, Greece, Spain, France, Croatia, 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 128/2023 of 15 November 2023, the monthly percentage decrease for September 2023 has been revised from -1.1% to -1.0% in the euro area and from -0.9% to -0.8% in the EU. The annual percentage decrease has been revised from -6.9% to -6.8% in the euro area and remained unchanged at -6.1% 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

For further information on data

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Industrial production

% change compared with previous month*

	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23
Euro area						
Total industry	0.1	-0.1	-1.3	0.6	-1.0	-0.7
Intermediate goods	0.4	-1.0	0.1	-0.3	-0.4	-0.6
Energy	-2.2	0.5	1.2	-0.2	-1.5	1.1
Capital goods	0.7	-0.1	-3.1	0.4	0.3	-1.4
Durable consumer goods	-1.1	-0.6	-1.4	0.9	-1.8	0.2
Non-durable consumer goods	1.0	-1.3	0.6	0.1	-1.1	-0.6
EU						
Total industry	0.1	-0.1	-1.2	0.6	-0.8	-0.5
Intermediate goods	0.3	-1.0	0.0	0.0	-0.3	-0.7
Energy	-2.6	0.3	0.9	0.3	-1.6	2.2
Capital goods	0.8	-0.3	-2.7	0.1	0.2	-0.9
Durable consumer goods	-1.1	-0.7	-1.3	1.0	-2.0	0.3
Non-durable consumer goods	1.1	-0.5	-0.6	0.3	-0.7	-0.5

Source dataset: [sts_inpr_m](#)

Total industry	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23
Euro area	0.1	-0.1	-1.3	0.6	-1.0	-0.7
EU	0.1	-0.1	-1.2	0.6	-0.8	-0.5
Belgium	0.6	-3.0	2.5	-3.9	-1.3	1.1
Bulgaria	1.5	0.3	-1.1	0.8	-2.4	2.6
Czechia	0.3	1.5	-2.7	-0.3	-1.2	2.9
Denmark	-0.8	6.2	-9.0	1.3	-0.4	0.4
Germany	-0.1	-1.2	-1.3	0.5	-1.8	-0.1
Estonia	0.9	-1.5	-3.8	2.2	-3.4	-0.5
Ireland**	-4.5	7.0	-9.0	5.7	-2.2	-7.0
Greece	0.3	-1.4	2.2	1.1	-2.2	6.0
Spain	0.6	-1.2	0.2	-0.6	1.1	-0.6
France	1.2	-0.9	0.5	-0.1	-0.6	-0.3
Croatia	4.0	1.8	-3.0	-2.2	4.3	-1.4
Italy	1.7	0.5	-0.9	0.2	0.1	-0.2
Cyprus	0.6	-0.6	0.7	0.3	0.4	:
Latvia	-1.0	0.7	-2.4	1.7	0.5	1.5
Lithuania	-2.3	4.3	-4.6	4.4	0.3	-0.9
Luxembourg	-0.9	-0.2	0.3	1.2	-3.2	2.2
Hungary	1.9	-0.2	2.4	-2.5	1.3	-0.7
Malta	-1.4	-3.3	3.6	-1.3	2.6	-2.5
Netherlands	0.8	1.2	0.1	-2.4	-0.7	-2.1
Austria	-1.2	-1.2	-0.6	1.9	-0.6	1.0
Poland	0.1	0.5	-0.8	1.0	0.7	-0.1
Portugal	2.7	-0.2	0.8	-0.9	-3.1	3.8
Romania	-1.9	-1.9	0.7	0.0	0.6	-1.2
Slovenia	8.2	0.8	-8.1	-1.7	5.3	0.0
Slovakia	2.3	-1.1	-2.4	4.5	-1.7	0.7
Finland	2.0	-3.0	0.3	1.6	-0.4	0.8
Sweden	-1.2	-5.9	5.0	2.1	-1.8	1.4
Norway	-3.1	0.3	3.0	-0.9	-9.0	-0.7
Switzerland	0.4	0.5	-2.2	4.6	3.7	:

* 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-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23
Euro area						
Total industry	-2.4	-1.1	-2.2	-5.3	-6.8	-6.6
Intermediate goods	-5.5	-6.3	-5.1	-5.2	-4.7	-4.1
Energy	-6.7	-7.3	-6.0	-5.8	-6.0	-0.5
Capital goods	2.7	4.9	0.7	-7.0	-9.4	-9.7
Durable consumer goods	-6.6	-6.3	-6.9	-8.6	-7.7	-6.2
Non-durable consumer goods	-3.0	-0.1	-0.8	-2.1	-5.8	-7.8
EU						
Total industry	-2.0	-1.1	-2.4	-4.5	-6.1	-5.5
Intermediate goods	-6.2	-6.7	-5.6	-5.5	-5.1	-4.4
Energy	-8.0	-8.7	-7.7	-6.0	-5.9	0.3
Capital goods	3.6	5.2	1.1	-5.4	-8.2	-8.0
Durable consumer goods	-7.6	-7.4	-7.6	-8.4	-8.5	-7.0
Non-durable consumer goods	-0.6	2.1	0.2	-0.5	-3.5	-5.2

Source dataset: [sts_inpr_m](#)

Total industry	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23
Euro area	-2.4	-1.1	-2.2	-5.3	-6.8	-6.6
EU	-2.0	-1.1	-2.4	-4.5	-6.1	-5.5
Belgium	-3.9	-5.0	-3.4	-4.6	-12.5	-9.4
Bulgaria	-11.3	-9.4	-11.6	-9.6	-11.6	-5.4
Czechia	0.6	0.9	-3.2	-2.2	-4.9	1.8
Denmark	6.7	11.5	5.9	4.8	1.7	6.9
Germany	0.0	-1.4	-2.4	-2.1	-4.5	-3.9
Estonia	-14.1	-12.9	-9.5	-11.9	-13.0	-12.2
Ireland	-15.9	6.3	-6.2	-27.5	-26.9	-34.0
Greece	2.4	-3.0	-1.9	-0.2	1.9	10.8
Spain	-0.7	-3.2	-2.0	-3.6	-0.8	-1.4
France	2.7	0.4	2.6	-0.3	-0.1	1.8
Croatia	1.1	2.2	-0.7	-2.4	1.6	1.0
Italy	-3.5	-0.7	-2.3	-4.2	-2.0	-1.1
Cyprus	1.0	0.4	1.4	3.4	3.6	:
Latvia	-8.4	-5.1	-8.3	-4.9	-2.7	0.5
Lithuania	1.9	4.7	-7.9	-6.4	-0.7	-1.6
Luxembourg	-7.0	-6.4	-6.5	-5.1	-10.1	-4.4
Hungary	-4.6	-5.5	-2.5	-6.1	-5.7	-2.8
Malta	10.6	-4.5	1.6	-0.2	3.2	1.9
Netherlands	-9.1	-6.8	-6.4	-7.4	-10.0	-11.1
Austria	-0.6	-2.1	-0.4	-2.1	-1.6	-1.3
Poland	-2.9	-1.1	-2.3	-1.9	-1.0	-0.8
Portugal	-4.0	-3.6	-3.8	-4.9	-6.1	-1.0
Romania	-5.4	-6.3	-5.1	-5.7	-3.1	-4.4
Slovenia	-2.2	-2.4	-7.1	-12.9	-5.1	0.5
Slovakia	-0.9	3.6	-4.8	4.7	-0.2	4.4
Finland	0.7	-5.7	-2.6	-0.1	-2.3	1.2
Sweden	1.1	-7.4	-8.8	0.8	-3.8	-0.4
Norway	-11.1	-11.1	-1.5	-8.8	-20.0	-17.8
Switzerland	-0.5	-1.8	2.0	2.1	2.4	:

* Calendar adjusted

: Data not available

Source dataset: [sts_inpr_m](#)

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

	10-22	11-22	12-22	01-23	02-23	03-23	04-23	05-23	06-23	07-23	08-23	09-23	10-23
Euro area	108.9	108.7	106.6	107.0	108.7	104.1	105.2	105.3	105.2	103.8	104.4	103.4	102.7
EU	111.8	111.7	110.5	110.3	112.0	107.8	108.6	108.7	108.6	107.3	107.9	107.0	106.5
Belgium	128.5	129.6	126.2	121.3	125.2	126.7	121.2	121.9	118.3	121.3	116.6	115.1	116.4
Bulgaria	122.3	123.0	122.7	119.6	118.8	116.2	112.9	114.6	115.0	113.7	114.6	111.8	114.7
Czechia	112.6	116.1	116.7	113.0	113.9	116.1	114.4	114.8	116.5	113.3	113.0	111.6	114.8
Denmark	128.5	131.8	149.1	135.9	141.4	142.1	141.9	140.7	149.4	135.9	137.7	137.2	137.7
Germany	95.2	96.2	94.3	95.7	97.5	95.4	95.4	95.3	94.2	93.0	93.5	91.8	91.7
Estonia	124.3	119.1	121.6	120.4	120.1	118.9	116.4	117.4	115.6	111.2	113.6	109.7	109.2
Ireland*	216.9	203.7	171.3	183.3	195.2	132.1	166.7	159.2	170.3	154.9	163.7	160.1	148.9
Greece	116.5	118.8	119.1	117.7	123.5	123.8	121.1	121.5	119.8	122.4	123.8	121.1	128.4
Spain	105.9	105.2	105.8	105.4	105.8	107.1	104.9	105.5	104.2	104.4	103.8	104.9	104.3
France	96.4	98.1	99.5	97.4	98.9	97.8	98.5	99.7	98.8	99.3	99.2	98.6	98.3
Croatia	110.5	109.0	109.1	110.0	110.4	111.3	108.0	112.3	114.3	110.9	108.5	113.2	111.6
Italy	103.3	103.1	104.3	103.6	103.5	102.9	100.8	102.5	103.0	102.1	102.3	102.4	102.2
Cyprus	129.8	133.0	132.3	131.7	133.7	130.6	133.4	134.2	133.4	134.3	134.7	135.3	:
Latvia	119.2	123.3	119.9	116.3	119.2	118.1	117.8	116.6	117.4	114.6	116.6	117.2	119.0
Lithuania	150.7	151.3	145.2	144.7	143.5	145.5	149.0	145.6	151.8	144.8	151.1	151.5	150.2
Luxembourg	92.8	93.7	91.0	88.5	93.9	90.9	89.1	88.3	88.1	88.4	89.5	86.6	88.5
Hungary	123.4	122.6	127.4	119.9	120.1	120.7	117.3	119.5	119.3	122.2	119.2	120.7	119.9
Malta	108.0	111.8	113.2	112.0	113.5	114.9	113.0	111.4	107.7	111.6	110.1	113.0	110.2
Netherlands	105.5	103.9	105.8	101.1	101.4	100.0	97.3	98.1	99.3	99.4	97.0	96.3	94.3
Austria	127.5	127.5	128.4	131.0	129.7	126.6	126.9	125.4	123.9	123.1	125.4	124.7	126.0
Poland	150.8	152.9	154.4	150.2	151.1	149.0	147.5	147.6	148.3	147.1	148.5	149.5	149.4
Portugal	97.1	100.6	103.9	101.5	99.6	99.5	93.5	96.0	95.8	96.6	95.7	92.7	96.2
Romania	107.6	106.2	104.5	106.9	107.0	107.1	106.2	104.2	102.2	102.9	102.9	103.5	102.3
Slovenia	123.9	130.7	128.7	130.0	127.2	129.9	120.0	129.8	130.8	120.2	118.2	124.5	124.5
Slovakia	109.8	108.7	108.7	107.9	109.9	112.1	111.1	113.6	112.3	109.6	114.5	112.5	113.3
Finland	116.8	115.9	119.6	119.5	116.4	119.6	116.9	119.2	115.6	116.0	117.8	117.3	118.2
Sweden	117.3	112.7	115.4	120.2	120.1	115.2	117.4	116.0	109.2	114.7	117.1	115.0	116.6
Norway	107.3	106.4	106.2	97.5	97.4	99.6	99.8	96.7	97.0	99.9	99.0	90.1	89.5
Switzerland	132.4	128.0	134.7	132.4	131.4	137.4	129.9	130.4	131.1	128.2	134.1	139.0	:

* 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)

	10-20	10-21	10-22	11-22	12-22	01-23	02-23	03-23	04-23	05-23	06-23	07-23	08-23	09-23	10-23
Euro area	109.1	111.9	116.6	116.9	100.1	105.8	105.7	110.3	104.4	103.6	108.4	104.6	86.6	109.9	108.9
EU	111.1	114.4	119.5	119.8	104.2	108.7	108.9	114.7	107.8	107.3	111.8	106.3	91.1	113.2	112.9
Belgium	124.5	140.5	136.8	131.4	123.5	118.2	121.6	136.8	117.3	120.1	125.6	113.8	106.8	120.4	123.9
Bulgaria	108.8	119.9	125.7	128.9	123.7	112.9	112.3	121.2	107.9	109.4	117.7	117.3	112.4	111.0	118.9
Czechia	122.0	115.5	119.8	126.6	108.7	109.0	110.5	126.0	113.7	116.9	123.2	101.1	103.5	115.1	122.0
Denmark	108.3	124.7	135.3	138.5	146.3	136.7	137.2	148.3	136.9	139.6	150.6	121.8	134.0	145.4	144.6
Germany	99.7	98.6	98.3	102.8	90.0	89.3	94.8	103.4	93.6	93.5	96.2	93.2	86.5	96.5	94.5
Estonia	130.5	142.2	132.9	123.7	116.2	115.6	113.7	126.8	116.7	122.6	116.2	99.8	111.7	113.4	116.7
Ireland	150.1	177.7	269.0	259.7	131.4	236.7	171.5	100.5	178.8	125.4	169.0	147.2	113.4	207.4	177.5
Greece	101.1	118.7	115.3	116.3	119.0	106.2	121.3	126.9	118.6	121.7	124.8	135.4	117.2	124.1	127.7
Spain	108.9	108.0	110.6	109.9	98.2	101.4	105.2	113.7	102.6	111.2	109.2	110.2	82.4	107.9	109.0
France	105.6	104.9	101.9	101.9	100.2	100.1	98.7	107.1	98.2	95.4	103.3	97.8	76.3	100.4	103.7
Croatia	113.9	117.5	117.7	111.9	105.2	100.0	107.4	118.8	107.8	114.8	116.8	117.3	94.6	115.0	118.9
Italy	111.4	114.1	112.0	107.9	91.6	97.6	106.1	113.8	99.8	110.0	107.2	112.4	69.2	108.2	110.8
Cyprus	133.0	136.9	132.1	130.9	131.0	121.6	126.9	128.8	128.8	136.8	141.2	157.1	120.0	142.7	:
Latvia	127.1	130.5	127.2	131.3	126.4	90.4	100.3	116.2	119.5	120.7	125.7	113.5	122.3	121.7	127.8
Lithuania	127.0	158.1	158.9	156.6	147.1	139.7	136.0	149.7	146.8	149.0	149.3	138.3	148.5	151.9	156.3
Luxembourg	99.9	100.4	98.3	95.8	84.4	86.4	92.2	100.6	90.7	88.0	89.9	87.5	77.7	89.0	94.0
Hungary	127.1	123.7	130.4	129.7	116.8	114.2	120.8	130.5	114.0	120.4	123.4	119.2	107.0	130.6	126.7
Malta	114.0	108.4	113.8	112.7	97.7	107.9	105.5	116.6	112.2	112.9	113.9	121.4	106.7	118.9	116.0
Netherlands	105.2	108.1	111.0	109.3	106.9	98.7	96.1	106.0	94.6	97.2	101.8	97.2	88.1	99.0	98.7
Austria	119.0	128.1	133.7	136.2	125.8	116.5	123.9	139.3	126.5	125.0	129.1	124.1	109.9	130.0	131.9
Poland	135.7	149.4	159.5	159.7	148.1	143.7	146.5	161.8	147.0	146.3	149.3	141.7	137.8	152.9	158.2
Portugal	106.8	100.4	98.4	103.0	94.5	102.6	99.1	103.2	92.6	100.5	98.9	101.0	81.4	94.7	97.4
Romania	118.5	110.9	112.1	111.5	98.3	102.9	102.9	113.6	102.2	109.1	103.3	103.7	93.3	106.1	107.2
Slovenia	134.2	135.1	129.7	136.4	117.0	125.2	122.8	144.7	117.2	135.9	138.2	119.9	99.5	129.8	130.3
Slovakia	121.7	120.5	114.7	119.4	101.1	104.9	110.8	123.4	105.4	116.2	120.1	95.0	107.5	110.5	119.7
Finland	115.5	121.3	121.4	118.7	133.5	115.0	108.7	127.6	117.3	119.5	115.7	99.8	112.4	121.0	122.8
Sweden	117.2	122.1	125.7	120.5	117.8	117.4	119.6	130.0	119.7	116.1	114.5	90.4	99.7	118.0	125.2
Norway	102.7	109.9	113.8	112.6	107.7	105.4	97.6	105.6	97.9	94.4	89.1	92.9	98.4	83.7	93.6
Switzerland	121.5	126.3	141.2	133.9	133.4	129.8	124.9	153.6	119.1	125.8	143.3	125.0	116.1	144.8	:

: Data not available

Source dataset: sts_inpr_m