

114/2023 - 13 October 2023

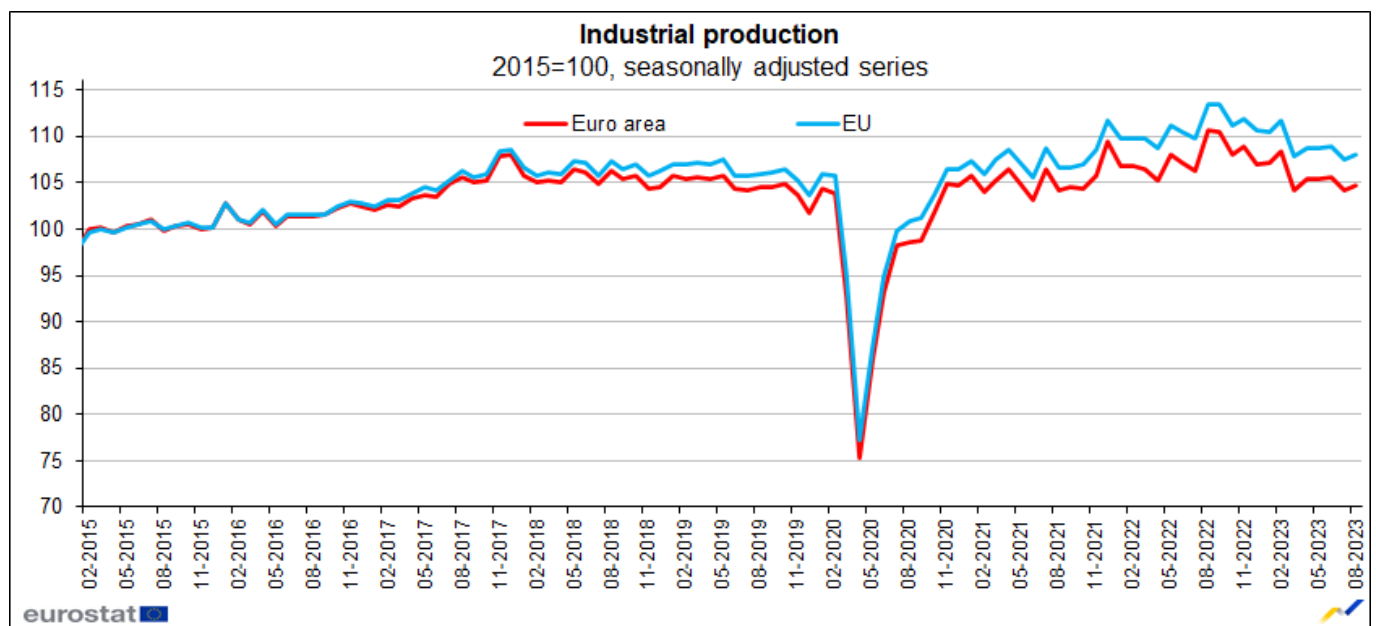
August 2023 compared with July 2023

Industrial production up by 0.6% in both the euro area and the EU

Down by 5.1% in the euro area and by 4.4% in the EU compared with August 2022

In August 2023, the seasonally adjusted industrial production increased by 0.6% in both the **euro area** and the **EU**, compared with July 2023, according to estimates from **Eurostat, the statistical office of the European Union**. In July 2023, industrial production decreased by 1.3% in both the **euro area** and the **EU**.

In August 2023 compared with August 2022, industrial production decreased by 5.1% in the **euro area** and by 4.4% in the **EU**.



Monthly comparison by main industrial grouping and by Member State

In the **euro area** in August 2023, compared with July 2023, production of durable consumer goods grew by 1.2%, non-durable consumer goods by 0.5% and capital goods by 0.3%, while production of intermediate goods fell by 0.3% and energy by 0.9%.

In the **EU**, production of durable consumer goods grew by 1.2%, non-durable consumer goods by 0.7% and capital goods by 0.1%, while production of intermediate goods fell by 0.2% and energy by 0.5%.

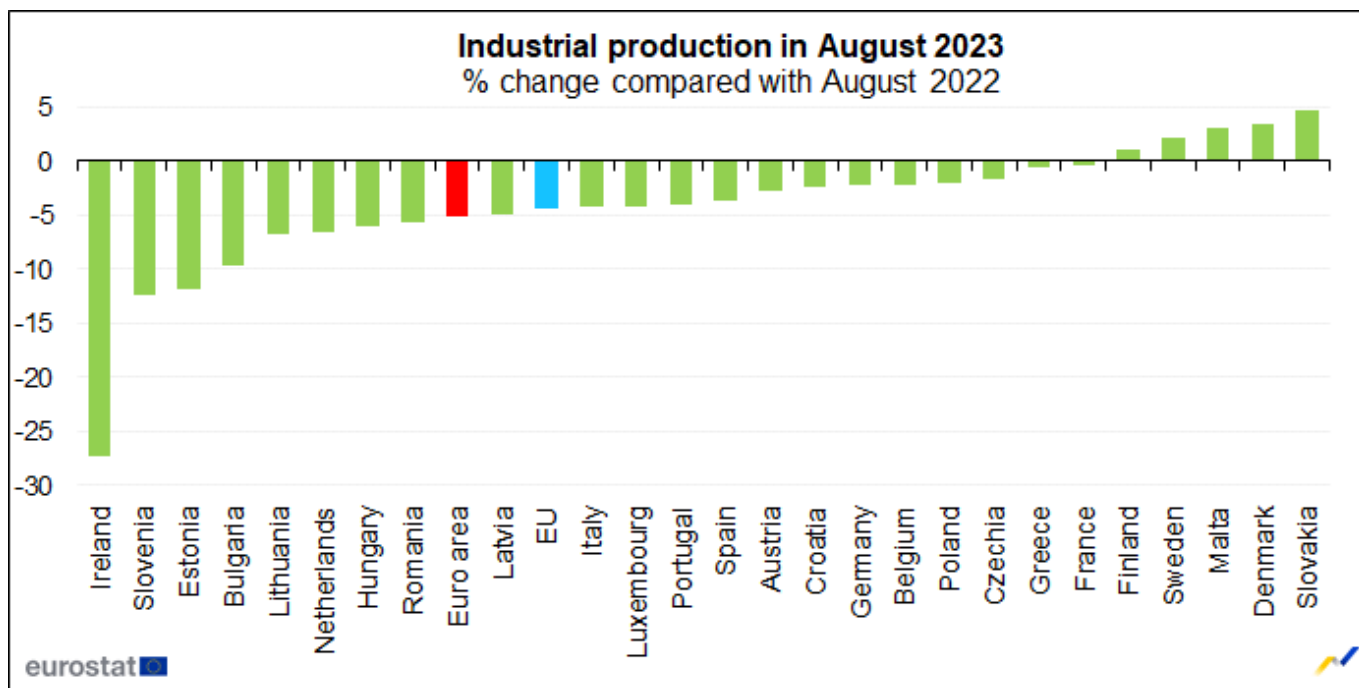
Among Member States for which data are available, the highest monthly increases were registered in **Ireland** (+6.1%), **Slovakia** (+4.5%) and **Lithuania** (+3.7%). The largest decreases were observed in **Hungary** (-2.4%), **Croatia** (-2.2%) and **Belgium** (-1.8%).

Annual comparison by main industrial grouping and by Member State

In the **euro area** in August 2023, compared with August 2022, production of durable consumer goods fell by 7.2%, capital goods by 7.0%, energy by 6.3%, intermediate goods by 5.2% and non-durable consumer goods by 1.4%.

In the **EU**, production of durable consumer goods fell by 7.3%, energy by 6.7%, intermediate goods by 5.5%, capital goods by 5.2%, while production of non-durable consumer remained stable.

Among Member States for which data are available, the largest annual decreases were registered in **Ireland** (-27.3%), **Slovenia** (-12.3%) and **Estonia** (-11.9%). The highest increases were observed in **Slovakia** (+4.7%), **Denmark** (+3.5%) and **Malta** (+3.0%).



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 101/2023 of 13 September 2023, the monthly percentage change for July 2023 has been revised from -1.1% to -1.3% in both the euro area and the EU. The annual percentage decrease remained unchanged at -2.2% in the euro area and has been revised from -2.4% to -2.3% 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

ESTAT-STSDATA@ec.europa.eu

 **Media requests:** eurostat-mediasupport@ec.europa.eu / Tel: +352-4301-33 408

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Industrial production

% change compared with previous month*

	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23
Euro area						
Total industry	-4.0	1.2	0.0	0.1	-1.3	0.6
Intermediate goods	-1.1	-0.8	0.4	-1.0	0.2	-0.3
Energy	-1.1	-0.1	-2.1	0.4	1.2	-0.9
Capital goods	-14.4	13.0	0.7	0.0	-3.1	0.3
Durable consumer goods	2.4	-2.8	-1.1	-0.5	-1.3	1.2
Non-durable consumer goods	-1.4	-3.5	1.0	-1.3	0.5	0.5
EU						
Total industry	-3.4	0.8	-0.1	0.2	-1.3	0.6
Intermediate goods	-1.2	-0.7	0.2	-0.9	0.1	-0.2
Energy	-1.2	-0.6	-2.3	0.2	1.0	-0.5
Capital goods	-12.0	10.6	0.7	-0.1	-2.7	0.1
Durable consumer goods	1.7	-2.3	-1.0	-0.7	-1.2	1.2
Non-durable consumer goods	-1.8	-2.4	1.1	-0.5	-0.7	0.7

Source dataset: [sts_inpr_m](#)

Total industry	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23
Euro area	-4.0	1.2	0.0	0.1	-1.3	0.6
EU	-3.4	0.8	-0.1	0.2	-1.3	0.6
Belgium	1.3	-4.3	0.7	-2.9	2.4	-1.8
Bulgaria	-2.2	-2.8	1.5	0.3	-1.1	1.3
Czechia	1.8	-1.6	0.4	1.6	-2.7	0.2
Denmark	-0.8	-0.3	-0.5	6.3	-8.7	0.1
Germany	-2.2	0.2	-0.2	-1.0	-1.4	0.1
Estonia	-1.0	-2.0	0.9	-1.5	-3.8	2.2
Ireland**	-29.5	26.8	-5.9	9.3	-9.0	6.1
Greece	-0.1	-2.0	0.1	-1.2	2.1	0.9
Spain	1.2	-2.1	0.5	-1.1	0.0	-0.7
France	-1.1	0.7	1.1	-0.8	0.5	-0.2
Croatia	0.8	-3.0	4.0	1.8	-3.0	-2.2
Italy	-0.6	-2.0	1.7	0.5	-0.9	0.2
Cyprus	-2.3	2.1	0.5	-0.4	0.4	:
Latvia	-1.1	-0.3	-1.3	0.6	-2.7	1.8
Lithuania	1.4	2.4	-2.3	4.3	-4.6	3.7
Luxembourg	-3.4	-1.9	-1.0	-0.5	0.7	2.0
Hungary	0.4	-2.7	1.8	-0.8	2.8	-2.4
Malta	1.3	-1.0	-2.0	-2.7	3.0	0.6
Netherlands	-1.4	-2.7	0.8	1.2	0.4	-1.4
Austria	-2.4	0.2	-1.2	-1.2	-0.7	1.4
Poland	-1.4	-1.0	0.1	0.5	-0.8	0.7
Portugal	-0.1	-6.0	2.7	-0.2	0.5	0.6
Romania	0.1	-0.8	-1.9	-1.9	0.7	-0.4
Slovenia	2.2	-7.7	8.2	0.8	-8.0	-1.2
Slovakia	2.1	-1.0	2.3	-1.1	-2.5	4.5
Finland	2.7	-2.3	2.0	-3.0	0.4	2.2
Sweden	-4.0	1.9	-1.2	-5.9	5.9	2.2
Norway	2.2	0.4	-2.8	0.4	2.2	0.5
Switzerland	5.5	-7.9	2.1	0.4	:	:

* 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*

	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23
Euro area						
Total industry	-1.5	-0.1	-2.3	-1.0	-2.2	-5.1
Intermediate goods	-4.6	-6.2	-5.6	-6.3	-5.1	-5.2
Energy	-6.4	-8.1	-6.7	-7.3	-6.0	-6.3
Capital goods	-1.9	8.5	2.5	4.9	0.5	-7.0
Durable consumer goods	0.4	-4.2	-5.8	-5.5	-6.1	-7.2
Non-durable consumer goods	6.1	-0.4	-2.7	0.3	-0.5	-1.4
EU						
Total industry	-1.3	-0.1	-2.0	-1.1	-2.3	-4.4
Intermediate goods	-5.4	-6.5	-6.2	-6.7	-5.5	-5.5
Energy	-9.1	-8.6	-8.0	-8.7	-7.7	-6.7
Capital goods	0.6	9.0	3.5	5.0	1.0	-5.2
Durable consumer goods	-2.2	-5.7	-7.1	-6.7	-6.9	-7.3
Non-durable consumer goods	6.5	1.1	-0.2	2.4	0.5	0.0

Source dataset: [sts_inpr_m](#)

Total industry	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23
Euro area	-1.5	-0.1	-2.3	-1.0	-2.2	-5.1
EU	-1.3	-0.1	-2.0	-1.1	-2.3	-4.4
Belgium	-0.1	-4.1	-3.9	-5.0	-3.6	-2.2
Bulgaria	-9.3	-12.7	-11.3	-9.4	-11.6	-9.7
Czechia	2.9	1.7	0.6	0.9	-2.8	-1.7
Denmark	10.5	11.0	6.6	11.6	6.1	3.5
Germany	2.4	0.9	0.1	-1.2	-2.2	-2.3
Estonia	-12.9	-15.9	-13.9	-12.9	-9.5	-11.9
Ireland	-28.0	22.5	-15.9	6.3	-6.2	-27.3
Greece	0.3	4.5	2.1	-3.2	-2.0	-0.6
Spain	5.8	-2.4	-0.7	-3.2	-2.1	-3.6
France	0.5	1.5	2.7	0.5	2.6	-0.4
Croatia	-0.8	-3.4	1.1	2.2	-0.7	-2.4
Italy	-3.2	-7.4	-3.5	-0.7	-2.3	-4.2
Cyprus	-5.0	-0.2	1.0	0.9	1.5	:
Latvia	-6.4	-6.5	-8.4	-5.1	-8.6	-4.9
Lithuania	-16.2	-7.0	1.9	4.7	-7.9	-6.7
Luxembourg	-1.5	-7.4	-7.1	-6.8	-6.9	-4.2
Hungary	-4.0	-6.1	-4.4	-6.1	-2.6	-6.1
Malta	12.5	17.6	11.0	-3.7	2.0	3.0
Netherlands	-3.5	-12.2	-9.1	-6.8	-6.6	-6.6
Austria	0.7	1.7	-0.6	-2.1	-0.4	-2.8
Poland	-3.0	-3.9	-2.9	-1.1	-2.3	-2.1
Portugal	-3.4	-7.0	-4.0	-3.6	-4.2	-4.0
Romania	-2.4	-4.4	-5.4	-6.3	-5.1	-5.7
Slovenia	-3.3	-8.3	-2.2	-2.4	-7.0	-12.3
Slovakia	2.9	-1.4	-0.7	3.6	-5.3	4.7
Finland	3.9	-3.5	0.6	-5.8	-2.5	1.1
Sweden	-0.6	3.5	1.2	-7.4	-7.8	2.1
Norway	-5.4	-5.0	-11.1	-11.1	-1.5	-8.8
Switzerland	6.7	-0.3	0.2	-2.5	:	:

* Calendar adjusted

: Data not available

Source dataset: [sts_inpr_m](#)

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

	08-22	09-22	10-22	11-22	12-22	01-23	02-23	03-23	04-23	05-23	06-23	07-23	08-23
Euro area	110.6	110.4	108.1	108.9	106.9	107.2	108.4	104.1	105.4	105.4	105.5	104.1	104.7
EU	113.4	113.4	111.1	111.8	110.7	110.5	111.7	107.9	108.8	108.7	108.9	107.5	108.1
Belgium	121.9	130.8	128.3	129.5	126.1	121.3	125.2	126.8	121.4	122.2	118.6	121.5	119.3
Bulgaria	127.9	125.3	122.3	123.0	122.7	119.6	118.8	116.2	112.9	114.6	115.0	113.7	115.2
Czechia	116.8	116.7	112.5	115.9	116.6	113.1	114.2	116.3	114.4	114.9	116.7	113.6	113.8
Denmark	132.6	134.3	129.2	131.8	149.4	136.8	142.5	141.3	140.9	140.2	149.1	136.1	136.3
Germany	95.2	96.4	95.2	96.3	94.3	95.7	97.5	95.4	95.6	95.4	94.4	93.1	93.2
Estonia	129.3	126.0	124.1	119.0	121.5	120.4	120.1	118.9	116.5	117.6	115.8	111.4	113.9
Ireland*	226.1	220.9	203.2	206.1	174.8	185.4	189.0	133.2	168.9	159.0	173.8	158.2	167.8
Greece	123.7	117.2	117.7	118.9	119.1	117.8	123.5	123.4	120.9	121.0	119.5	122.0	123.1
Spain	107.0	106.4	106.0	105.3	105.8	105.4	105.8	107.1	104.8	105.3	104.1	104.1	103.4
France	99.6	98.7	96.0	98.1	99.5	97.4	99.0	97.9	98.6	99.7	98.9	99.4	99.2
Croatia	111.0	111.3	110.5	109.0	109.1	110.0	110.4	111.3	108.0	112.3	114.3	110.9	108.5
Italy	106.8	104.5	103.3	103.1	104.3	103.6	103.5	102.9	100.8	102.5	103.0	102.1	102.3
Cyprus	130.9	130.7	129.9	133.1	132.3	131.7	133.7	130.6	133.4	134.1	133.6	134.2	:
Latvia	121.6	120.6	120.4	123.7	120.2	116.4	119.2	117.9	117.5	116.0	116.7	113.5	115.5
Lithuania	163.8	153.3	150.7	151.3	145.2	144.7	143.5	145.5	149.0	145.6	151.8	144.8	150.2
Luxembourg	93.8	95.5	93.0	93.7	91.0	88.5	94.1	90.9	89.2	88.3	87.9	88.5	90.3
Hungary	126.8	128.5	123.5	122.6	127.4	120.0	120.2	120.7	117.5	119.6	118.7	122.0	119.1
Malta	109.7	110.5	107.7	111.4	113.6	111.9	113.7	115.2	114.1	111.8	108.8	112.1	112.8
Netherlands	105.1	106.8	105.5	103.9	105.8	101.1	101.4	100.0	97.3	98.1	99.3	99.7	98.3
Austria	128.2	126.7	127.5	127.6	128.4	131.0	129.7	126.6	126.9	125.4	123.9	123.0	124.7
Poland	151.0	151.4	150.8	152.9	154.4	150.2	151.1	149.0	147.5	147.6	148.3	147.1	148.1
Portugal	101.0	98.9	97.1	100.6	103.9	101.5	99.6	99.5	93.5	96.0	95.8	96.3	96.9
Romania	108.6	108.1	107.6	106.2	104.5	106.9	107.0	107.1	106.2	104.2	102.2	102.9	102.5
Slovenia	135.5	131.2	123.9	130.7	128.7	130.1	127.2	130.0	120.0	129.8	130.8	120.3	118.9
Slovakia	110.5	110.8	109.8	108.6	108.6	107.9	109.9	112.2	111.1	113.6	112.4	109.6	114.5
Finland	117.6	120.0	117.1	115.8	119.6	119.5	116.4	119.6	116.9	119.2	115.6	116.1	118.6
Sweden	115.9	118.6	117.7	112.8	115.5	120.2	120.2	115.4	117.6	116.2	109.3	115.7	118.3
Norway	109.4	108.0	106.5	106.2	106.1	97.5	97.5	99.6	100.0	97.2	97.6	99.7	100.2
Switzerland	131.4	136.6	132.4	127.8	134.7	132.3	131.4	138.6	127.7	130.4	130.9	:	:

* 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)

	08-20	08-21	08-22	09-22	10-22	11-22	12-22	01-23	02-23	03-23	04-23	05-23	06-23	07-23	08-23
Euro area	82.8	87.2	91.4	117.9	116.6	116.9	100.0	105.8	105.7	110.3	104.4	103.7	108.4	104.6	86.7
EU	85.8	90.5	95.4	120.5	119.5	119.8	104.2	108.7	108.9	114.7	107.8	107.3	111.8	106.4	91.2
Belgium	101.7	120.8	112.0	137.6	136.8	131.4	123.5	118.2	121.6	136.8	117.3	120.1	125.6	113.6	109.5
Bulgaria	96.8	107.7	124.4	125.6	125.7	128.9	123.7	112.9	112.3	121.2	107.9	109.4	117.7	117.3	112.3
Czechia	99.6	98.3	105.8	121.1	119.7	126.6	108.7	109.0	110.5	126.0	113.6	116.9	123.2	101.4	104.0
Denmark	100.7	115.2	127.9	143.0	135.3	138.4	146.1	136.7	137.2	148.4	136.9	139.6	150.6	122.1	132.4
Germany	84.4	86.4	88.4	101.0	98.3	102.8	90.0	89.3	94.8	103.4	93.7	93.6	96.4	93.4	86.4
Estonia	114.8	127.6	126.8	130.4	132.9	123.8	116.2	115.6	113.7	126.8	116.7	122.8	116.2	99.8	111.7
Ireland	85.9	114.7	156.5	283.8	269.0	259.7	131.4	236.7	171.5	100.5	178.8	125.4	169.0	147.2	113.7
Greece	100.8	111.3	117.4	121.8	115.3	116.3	119.0	106.3	121.3	126.5	118.4	121.3	124.6	135.2	116.7
Spain	80.1	81.4	85.5	108.8	110.6	109.9	98.2	101.4	105.2	113.7	102.6	111.2	109.2	110.1	82.4
France	73.2	76.2	76.5	100.5	101.9	101.9	100.1	100.1	98.7	107.2	98.3	95.4	103.3	97.8	76.2
Croatia	92.4	95.4	96.9	113.2	117.7	111.9	105.2	100.0	107.4	118.8	107.8	114.8	116.8	117.3	94.6
Italy	70.0	70.0	72.2	110.4	112.0	107.9	91.6	97.6	106.1	113.8	99.8	110.0	107.2	112.4	69.2
Cyprus	110.2	119.0	116.1	137.8	132.1	130.9	131.0	121.6	126.9	128.8	128.8	136.8	141.9	157.3	:
Latvia	124.7	129.9	128.6	125.1	127.2	131.3	126.4	90.4	100.3	116.2	119.5	120.7	125.7	113.0	122.3
Lithuania	120.3	136.1	158.6	152.9	158.9	156.6	147.1	139.7	136.0	149.7	146.8	149.0	149.3	138.3	148.0
Luxembourg	78.8	83.8	81.9	99.0	98.3	95.8	84.4	86.4	92.4	100.6	90.7	87.9	89.5	87.1	78.5
Hungary	103.7	104.0	113.9	138.6	130.4	129.7	116.8	114.4	121.0	130.5	114.2	120.6	122.6	119.1	106.9
Malta	101.2	97.6	106.9	115.2	113.9	112.7	97.7	107.9	105.7	116.6	113.7	113.3	114.9	121.9	110.1
Netherlands	89.3	93.5	95.1	110.0	111.0	109.3	106.9	98.7	96.1	106.0	94.6	97.2	101.8	97.0	88.8
Austria	95.8	105.4	112.3	132.1	133.7	136.2	125.8	116.5	123.9	139.3	126.5	125.0	129.1	124.1	109.1
Poland	114.5	126.5	140.4	154.5	159.5	159.7	148.1	143.7	146.5	161.8	147.0	146.3	149.3	141.7	137.5
Portugal	89.2	82.4	85.6	100.9	98.4	103.0	94.5	102.6	99.1	103.2	92.6	100.5	98.9	100.6	82.2
Romania	99.2	100.5	98.9	109.5	112.1	111.5	98.3	102.9	102.9	113.6	102.2	109.1	103.3	103.7	93.3
Slovenia	100.4	110.2	114.3	136.8	129.7	136.4	117.0	125.3	122.9	144.7	117.2	135.8	138.2	120.0	100.2
Slovakia	103.3	102.1	102.8	110.8	114.5	119.6	101.3	104.7	110.8	123.7	105.1	116.4	120.2	94.6	107.6
Finland	105.9	109.8	112.5	123.8	121.3	118.6	133.5	115.0	108.7	127.6	117.3	119.4	115.6	99.9	113.7
Sweden	94.6	96.0	98.9	122.6	125.7	120.5	117.8	117.4	119.6	130.0	119.7	116.2	114.5	91.4	101.0
Norway	100.0	103.0	107.9	104.7	113.8	112.6	107.7	105.4	97.6	105.6	97.9	94.4	89.1	92.9	98.4
Switzerland	98.3	106.7	113.7	141.4	141.2	133.9	133.4	129.8	124.9	153.6	118.8	126.6	142.2	:	:

: Data not available

Source dataset: [sts_inpr_m](#)