

79/2023 - 13 July 2023

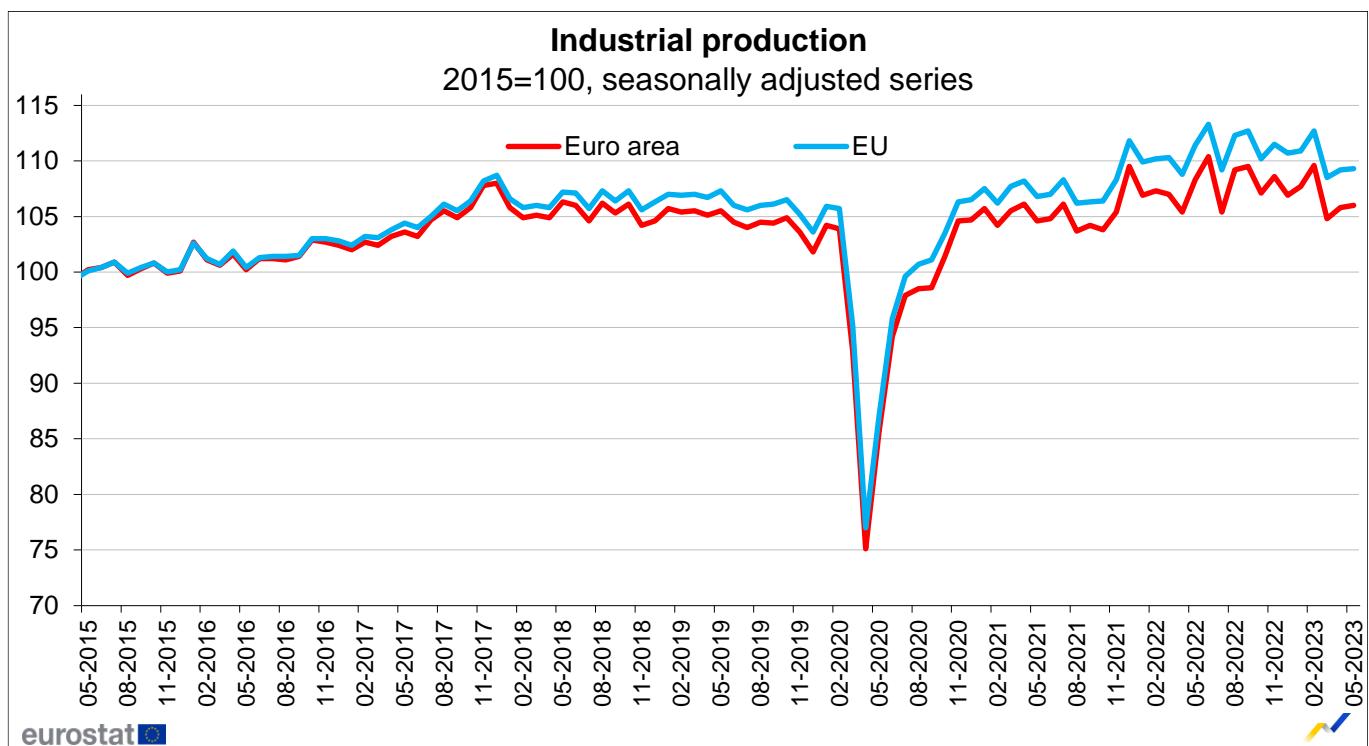
May 2023 compared with April 2023

Industrial production up by 0.2% in the euro area and by 0.1% in the EU

Down by 2.2% in the euro area and by 1.8% in the EU compared with May 2022

In May 2023, the seasonally adjusted industrial production increased by 0.2% in the **euro area** and by 0.1% in the **EU**, compared with April 2023, according to estimates from **Eurostat, the statistical office of the European Union**. In April 2023, industrial production increased by 1.0% in the **euro area** and by 0.6% in the **EU**.

In May 2023 compared with May 2022, industrial production decreased by 2.2% in the **euro area** and by 1.8% in the **EU**.



Monthly comparison by main industrial grouping and by Member State

In the **euro area** in May 2023, compared with April 2023, production of capital goods grew by 1.0%, intermediate goods and durable consumer goods both by 0.5% and non-durable consumer goods by 0.3%, while production of energy fell by 1.1%.

In the **EU**, production of capital goods grew by 1.0%, non-durable consumer goods by 0.7% and intermediate goods and durable consumer goods both by 0.4%, while production of energy fell by 1.8%.

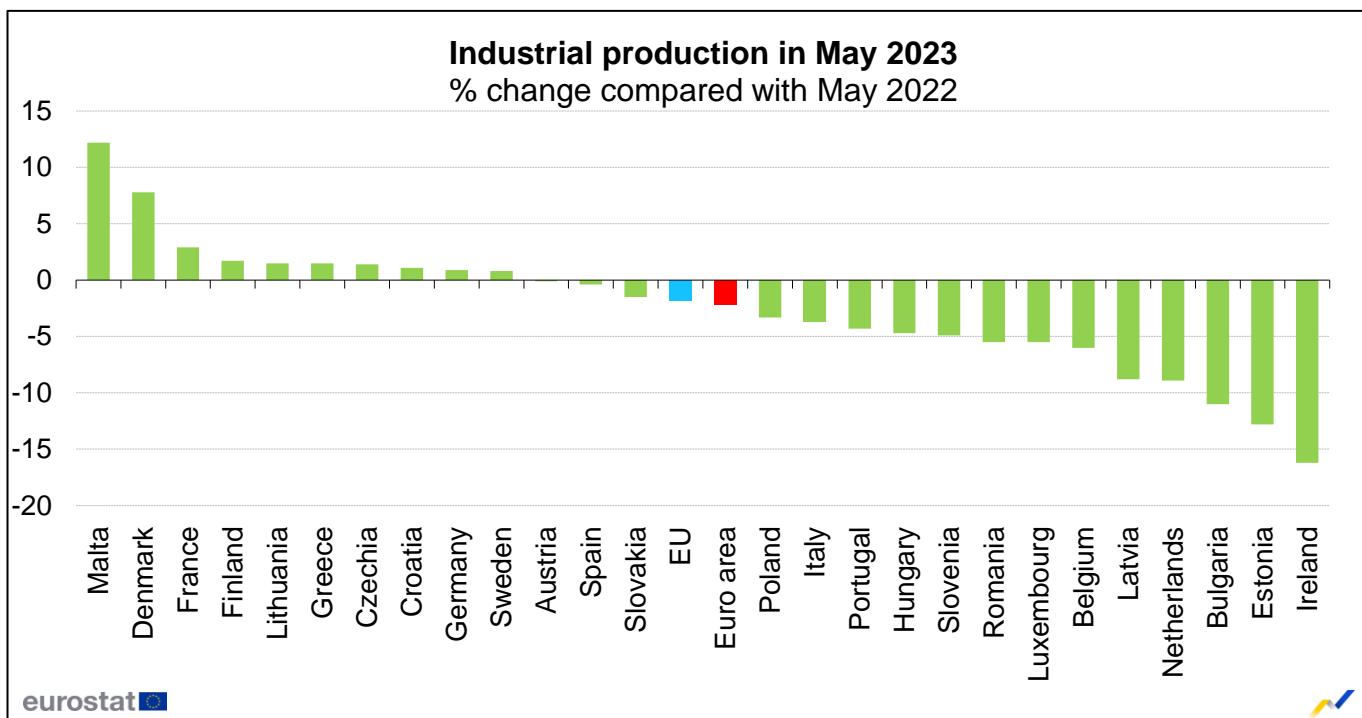
Among Member States for which data are available, the highest monthly increases were registered in **Slovenia** (+7.9%), **Croatia** (+4.3%), **Slovakia** and **Finland** (both +2.5%). The largest decreases were observed in **Ireland** (-4.9%), **Lithuania** (-2.8%), **Romania** and **Belgium** (both -1.2%).

Annual comparison by main industrial grouping and by Member State

In the **euro area** in May 2023, compared with May 2022, production of energy fell by 6.2%, intermediate goods by 5.4%, durable consumer goods by 5.0% and non-durable consumer goods by 2.8%, while production of capital goods rose by 2.5%.

In the **EU**, production of energy fell by 7.5%, durable consumer goods by 6.4%, intermediate goods by 6.1% and non-durable consumer goods by 0.3%, while production of capital goods rose by 3.5%.

Among Member States for which data are available, the largest annual decreases were registered in **Ireland** (-16.2%), **Estonia** (-12.8%) and **Bulgaria** (-11.0%). The highest increases were observed in **Malta** (+12.2%), **Denmark** (+7.8%) and **France** (+2.9%).



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 66/2023 of 14 June 2023, the monthly percentage change for April 2023 remained unchanged at +1.0% in the euro area and has been revised from +0.7% to +0.6% in the EU. The annual percentage increase remained unchanged at +0.2% in the euro area and at +0.1% 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*

	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23
Euro area						
Total industry	-1.6	0.7	1.8	-4.4	1.0	0.2
Intermediate goods	-2.9	1.2	0.8	-1.0	-0.9	0.5
Energy	3.4	-1.1	0.7	-1.1	-0.3	-1.1
Capital goods	-0.5	0.3	1.7	-14.9	14.7	1.0
Durable consumer goods	-1.2	0.1	-0.4	2.5	-2.8	0.5
Non-durable consumer goods	-3.1	-2.1	1.1	-0.3	-3.6	0.3
EU						
Total industry	-0.7	0.2	1.6	-3.7	0.6	0.1
Intermediate goods	-2.5	0.8	0.4	-1.1	-1.0	0.4
Energy	2.7	-0.9	0.8	-1.3	-0.6	-1.8
Capital goods	-0.3	0.2	1.7	-12.4	12.0	1.0
Durable consumer goods	-0.5	-0.6	-0.4	1.8	-2.3	0.4
Non-durable consumer goods	-0.7	-3.3	1.9	-0.6	-2.7	0.7

Source dataset: [sts_inpr_m](#)

Total industry	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23
Euro area	-1.6	0.7	1.8	-4.4	1.0	0.2
EU	-0.7	0.2	1.6	-3.7	0.6	0.1
Belgium	-2.6	-3.8	3.3	1.3	-4.3	-1.2
Bulgaria	-0.2	-2.5	-0.7	-2.2	-2.8	1.6
Czechia	0.6	-3.0	1.0	1.8	-1.9	1.5
Denmark	14.3	-9.5	3.0	2.0	0.6	-0.7
Germany	-2.1	2.1	1.8	-1.9	0.2	-0.2
Estonia	2.1	-0.5	-0.2	-0.9	-2.2	2.2
Ireland**	-12.0	7.8	8.3	-31.7	22.8	-4.9
Greece	0.2	-1.2	4.9	-0.1	-2.1	-0.2
Spain	0.7	-0.4	0.6	1.1	-1.8	0.7
France	1.3	-1.9	1.4	-0.9	0.8	1.3
Croatia	0.1	0.7	0.5	0.7	-2.3	4.3
Italy	1.2	-0.7	-0.1	-0.7	-2.0	1.6
Cyprus	-0.6	-0.7	1.9	-2.5	2.2	:
Latvia	-2.8	-3.1	2.4	-1.0	-0.7	-1.1
Lithuania	-4.0	-0.3	-0.8	1.4	2.4	-2.8
Luxembourg	-2.8	-1.6	6.0	-3.3	-1.8	-0.6
Hungary	3.5	-5.1	0.3	0.1	-2.5	1.5
Malta	1.8	-1.1	1.5	1.3	-1.1	-0.8
Netherlands	1.8	-4.4	0.3	-1.4	-3.8	2.0
Austria	0.2	2.1	-0.7	-2.7	-0.1	0.7
Poland	1.0	-2.7	0.6	-1.4	-1.0	-0.2
Portugal	3.3	-2.3	-1.9	-0.1	-5.7	2.0
Romania	-1.6	2.3	0.1	0.1	-0.8	-1.2
Slovenia	-1.3	1.9	-4.0	2.5	-8.7	7.9
Slovakia	-0.3	-1.1	2.4	1.8	-1.3	2.5
Finland	3.4	0.0	-2.5	2.8	-2.1	2.5
Sweden	2.4	4.2	-0.1	-3.8	1.4	-0.9
Norway	-0.2	-8.1	0.1	2.2	0.5	-3.2
Switzerland	6.3	-2.4	0.8	2.1	:	:

* 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*

	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23
Euro area						
Total industry	-2.0	1.0	2.0	-1.3	0.2	-2.2
Intermediate goods	-7.0	-5.6	-5.0	-4.5	-6.0	-5.4
Energy	-7.4	-7.7	-4.1	-6.5	-8.7	-6.2
Capital goods	-1.5	8.6	9.9	-1.6	8.6	2.5
Durable consumer goods	-1.0	0.5	-3.3	-0.3	-4.8	-5.0
Non-durable consumer goods	8.0	3.6	4.4	6.9	0.4	-2.8
EU						
Total industry	-0.6	1.1	2.2	-1.0	0.1	-1.8
Intermediate goods	-6.1	-5.5	-5.3	-5.2	-6.5	-6.1
Energy	-8.1	-7.7	-5.1	-9.2	-9.1	-7.5
Capital goods	0.4	8.7	10.1	0.9	9.2	3.5
Durable consumer goods	-1.9	-2.0	-5.1	-2.8	-6.1	-6.4
Non-durable consumer goods	11.2	5.1	6.9	7.1	1.7	-0.3

Source dataset: [sts_inpr_m](#)

Total industry	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23
Euro area	-2.0	1.0	2.0	-1.3	0.2	-2.2
EU	-0.6	1.1	2.2	-1.0	0.1	-1.8
Belgium	-1.4	-6.7	-2.1	-0.1	-4.1	-6.0
Bulgaria	2.7	-3.5	-2.7	-9.3	-12.7	-11.0
Czechia	4.9	-2.0	2.4	2.9	1.2	1.4
Denmark	26.3	12.4	16.1	10.3	12.4	7.8
Germany	-2.2	-1.0	1.0	3.3	1.7	0.9
Estonia	-12.0	-7.7	-7.6	-12.7	-15.8	-12.8
Ireland	-13.7	19.4	28.2	-28.0	22.5	-16.2
Greece	-1.4	0.6	5.2	0.2	4.3	1.5
Spain	1.2	-0.6	-0.7	5.8	-2.3	-0.4
France	1.5	-2.5	0.9	0.6	1.7	2.9
Croatia	-2.2	-2.7	-1.7	-0.8	-3.4	1.1
Italy	-0.9	1.6	-2.3	-3.2	-7.4	-3.7
Cyprus	0.5	-0.8	2.3	-4.9	0.2	:
Latvia	-4.3	-9.3	-2.2	-6.3	-7.0	-8.8
Lithuania	-8.2	-9.9	-8.3	-16.2	-7.0	1.5
Luxembourg	-6.3	-7.8	-2.0	-0.4	-6.2	-5.5
Hungary	5.7	-3.3	-4.6	-4.0	-5.8	-4.7
Malta	14.4	11.9	17.3	12.6	17.1	12.2
Netherlands	1.2	-4.6	-2.4	-3.5	-13.2	-8.9
Austria	0.6	0.1	3.5	0.8	-0.6	-0.1
Poland	5.9	-0.4	-1.1	-3.0	-3.9	-3.3
Portugal	1.8	5.1	2.7	-3.4	-6.6	-4.3
Romania	-7.1	-5.2	-4.5	-2.4	-4.4	-5.5
Slovenia	-10.3	-6.5	-0.9	-4.7	-9.8	-4.9
Slovakia	-10.7	-8.6	-4.7	2.6	-2.0	-1.5
Finland	0.6	2.0	-3.2	3.9	-3.2	1.7
Sweden	-0.3	5.6	5.9	-0.6	2.8	0.8
Norway	0.0	-6.6	-6.1	-5.4	-5.0	-11.1
Switzerland	8.1	4.0	0.7	5.2	:	:

* Calendar adjusted

: Data not available

Source dataset: [sts_inpr_m](#)

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

	05-22	06-22	07-22	08-22	09-22	10-22	11-22	12-22	01-23	02-23	03-23	04-23	05-23
Euro area	108.3	110.4	105.4	109.2	109.5	107.1	108.6	106.9	107.7	109.6	104.8	105.8	106.0
EU	111.4	113.3	109.2	112.3	112.7	110.2	111.5	110.7	110.9	112.7	108.5	109.2	109.3
Belgium	127.7	124.3	126.2	121.7	130.7	128.2	129.4	126.1	121.3	125.3	126.9	121.5	120.1
Bulgaria	127.9	126.7	127.6	127.9	125.3	122.3	123.0	122.7	119.6	118.8	116.2	112.9	114.7
Czechia	114.2	116.3	115.7	116.6	116.7	112.5	116.0	116.7	113.2	114.3	116.4	114.2	115.9
Denmark	132.4	134.4	130.8	132.4	134.6	127.9	131.3	150.1	135.9	140.0	142.8	143.6	142.6
Germany	95.2	95.9	95.5	95.2	96.4	95.3	96.3	94.3	96.3	98.0	96.1	96.3	96.1
Estonia	136.9	132.9	122.4	129.0	125.9	123.9	118.9	121.4	120.8	120.6	119.5	116.9	119.5
Ireland*	191.5	226.5	151.3	202.8	205.4	184.7	200.5	176.5	190.2	206.0	140.6	172.6	164.1
Greece	118.8	123.2	124.4	123.2	117.1	117.6	118.8	119.0	117.6	123.4	123.3	120.7	120.5
Spain	106.3	107.5	106.4	106.6	106.2	105.9	105.2	105.9	105.5	106.1	107.3	105.4	106.1
France	97.3	98.7	97.0	99.5	98.8	96.1	98.1	99.4	97.5	98.9	98.0	98.8	100.1
Croatia	111.7	112.9	111.6	110.7	111.2	110.3	108.8	108.9	109.7	110.2	111.0	108.4	113.1
Italy	106.1	104.1	104.4	106.9	104.6	103.3	103.1	104.3	103.6	103.5	102.8	100.7	102.3
Cyprus	133.8	132.5	132.4	131.0	130.8	129.9	133.1	132.3	131.4	133.9	130.5	133.4	:
Latvia	127.0	123.6	121.6	121.8	120.5	120.3	123.7	120.2	116.5	119.3	118.1	117.3	116.0
Lithuania	142.7	143.3	156.9	163.8	153.3	150.7	151.3	145.2	144.7	143.5	145.5	149.0	144.8
Luxembourg	94.8	93.6	94.5	94.6	95.6	93.1	93.8	91.2	89.7	95.1	92.0	90.3	89.8
Hungary	124.8	125.7	126.2	126.4	128.1	123.2	122.1	126.4	119.9	120.2	120.3	117.3	119.1
Malta	100.6	104.8	109.7	109.6	110.0	107.6	111.4	113.4	112.1	113.8	115.3	114.0	113.1
Netherlands	107.7	106.2	107.1	105.1	106.8	105.5	103.9	105.8	101.1	101.4	100.0	96.2	98.1
Austria	127.9	127.8	122.8	130.5	127.5	129.2	128.3	128.5	131.2	130.3	126.8	126.7	127.6
Poland	151.1	149.7	150.0	151.0	151.4	150.8	152.9	154.4	150.2	151.1	149.0	147.5	147.2
Portugal	100.3	99.2	99.1	101.0	98.9	97.1	100.6	103.9	101.5	99.6	99.5	93.8	95.7
Romania	110.6	108.0	108.5	108.6	108.1	107.6	106.2	104.5	106.9	107.0	107.1	106.2	104.9
Slovenia	133.8	135.3	128.6	134.5	130.4	122.9	130.4	128.7	131.2	126.0	129.2	117.9	127.2
Slovakia	110.8	108.7	109.9	109.7	109.0	110.3	107.1	106.8	105.6	108.1	110.0	108.6	111.3
Finland	119.2	121.0	117.5	118.0	120.0	117.1	116.0	119.9	119.9	116.9	120.2	117.7	120.6
Sweden	114.8	116.9	125.2	116.3	118.8	117.5	112.7	115.4	120.3	120.2	115.6	117.2	116.1
Norway	107.3	105.0	107.2	110.6	108.0	106.6	106.2	106.0	97.4	97.5	99.6	100.1	96.9
Switzerland	129.5	133.1	125.2	131.3	136.7	132.4	127.6	135.6	132.3	133.3	136.1	:	:

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

: Data not availableSource dataset: [sts_inpr_m](#)

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

	05-20	05-21	05-22	06-22	07-22	08-22	09-22	10-22	11-22	12-22	01-23	02-23	03-23	04-23	05-23
Euro area	84.4	102.9	106.1	109.6	107.0	91.5	117.9	116.8	116.9	100.0	106.0	105.9	110.6	104.7	103.8
EU	86.1	105.4	109.5	113.1	108.8	95.5	120.5	119.5	119.8	104.2	108.9	109.1	115.0	108.0	107.5
Belgium	105.5	126.4	125.0	132.2	117.8	112.0	137.6	136.8	131.4	123.5	118.2	121.6	136.8	117.3	117.5
Bulgaria	88.1	103.4	123.4	129.9	132.7	124.4	125.6	125.7	128.9	123.7	112.9	112.3	121.2	107.9	109.8
Czechia	90.4	113.6	116.2	122.1	104.3	105.8	121.1	119.8	126.6	108.7	109.0	110.5	126.0	113.0	117.8
Denmark	99.2	110.4	130.8	135.2	115.0	128.1	142.9	135.2	138.7	146.2	136.7	137.1	148.4	138.6	141.0
Germany	78.1	94.6	93.5	97.6	95.5	88.4	101.0	98.3	102.8	90.0	89.9	95.3	104.3	94.5	94.3
Estonia	110.5	136.8	142.7	133.4	110.3	126.9	130.4	132.8	123.8	116.2	115.8	113.8	127.0	116.8	124.5
Ireland	85.6	119.2	149.1	159.0	157.0	156.5	283.8	269.0	259.7	131.4	236.7	171.5	100.5	178.8	125.0
Greece	99.2	113.6	118.7	128.6	137.9	116.8	121.7	115.2	116.2	118.7	106.0	121.1	126.3	118.1	120.5
Spain	84.6	106.6	112.0	112.8	112.5	85.4	108.8	110.7	109.9	98.2	101.4	105.2	113.7	102.7	111.5
France	77.1	93.3	92.8	102.8	95.1	76.6	100.4	102.1	102.0	100.2	100.2	98.7	107.3	98.4	95.5
Croatia	96.9	110.6	113.5	114.2	118.1	96.8	113.2	117.7	111.8	105.2	100.0	107.4	118.8	107.8	114.8
Italy	90.7	110.3	114.0	108.0	115.0	72.2	110.4	112.0	107.9	91.6	97.6	106.1	113.8	99.8	109.8
Cyprus	116.4	131.1	135.4	140.7	154.9	116.1	137.8	132.1	130.9	131.0	121.2	127.6	129.0	129.3	:
Latvia	112.1	123.9	131.8	132.4	123.7	128.6	125.1	127.2	131.3	126.5	90.4	100.3	116.3	118.8	120.2
Lithuania	110.3	139.7	146.2	142.6	150.2	158.6	152.9	158.9	156.6	147.1	139.7	136.0	149.7	146.8	148.4
Luxembourg	79.5	95.9	94.6	96.0	93.6	82.4	99.0	98.3	95.8	84.4	87.3	93.3	101.7	91.8	89.4
Hungary	87.1	122.1	126.3	130.4	122.3	113.7	137.8	130.0	129.0	115.6	114.2	121.1	130.3	114.3	120.4
Malta	98.0	108.1	102.1	109.9	119.5	106.9	115.2	113.9	112.7	97.7	108.2	105.7	116.7	113.2	114.6
Netherlands	93.7	102.3	106.9	109.2	103.8	95.1	110.0	111.0	109.3	106.9	98.7	96.1	106.0	93.6	97.4
Austria	92.8	115.1	126.8	133.5	125.0	114.9	133.1	135.7	136.8	125.6	116.5	124.0	139.4	126.5	126.7
Poland	103.1	134.1	150.6	151.0	145.1	140.4	154.5	159.5	159.7	148.1	143.7	146.5	161.8	147.0	145.7
Portugal	80.2	101.5	104.7	102.6	105.0	85.6	100.9	98.4	103.0	94.5	102.6	99.1	103.2	93.0	100.2
Romania	86.8	112.4	115.3	110.2	109.3	98.9	109.5	112.1	111.5	98.3	102.9	102.9	113.6	102.2	109.0
Slovenia	106.3	133.8	138.7	141.6	129.5	114.8	136.6	129.4	136.2	117.2	125.7	121.5	142.4	115.2	131.9
Slovakia	81.3	111.0	115.3	114.0	98.6	101.7	109.2	116.3	116.6	99.2	102.3	108.6	120.5	102.8	113.6
Finland	104.6	112.3	118.7	122.7	102.5	112.5	123.8	121.3	118.6	133.5	115.0	108.7	127.6	117.6	120.7
Sweden	94.1	113.7	114.8	123.6	99.1	98.9	122.6	125.7	120.5	117.8	117.4	119.6	130.0	118.9	115.7
Norway	98.8	101.0	106.2	100.1	94.3	107.8	104.7	113.7	112.6	107.7	105.4	97.6	105.6	97.9	94.4
Switzerland	101.8	120.2	126.4	145.9	122.5	113.7	141.4	141.1	133.9	133.4	128.9	124.6	151.6	:	:

: Data not available

Source dataset: [sts_inpr_m](#)