

30/2023 - 15 March 2023

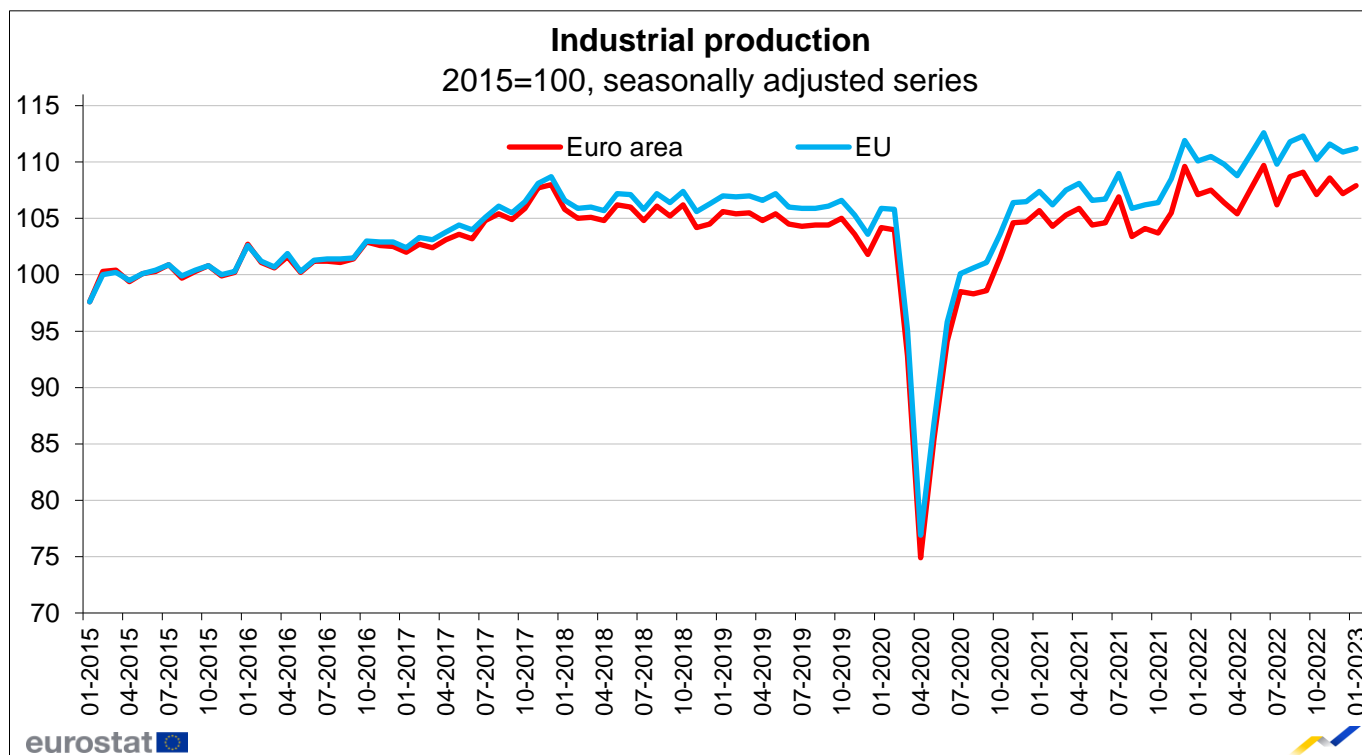
January 2023 compared with December 2022

Industrial production up by 0.7% in the euro area and by 0.3% in the EU

Up by 0.9% in the euro area and by 1.0% in the EU compared with January 2022

In January 2023, the seasonally adjusted industrial production increased by 0.7% in the **euro area** and by 0.3% in the **EU**, compared with December 2022, according to estimates from **Eurostat, the statistical office of the European Union**. In December 2022, industrial production decreased by 1.3% in the **euro area** and by 0.6% in the **EU**.

In January 2023 compared with January 2022, industrial production increased by 0.9% in the **euro area** and by 1.0% in the **EU**.



Monthly comparison by main industrial grouping and by Member State

In the **euro area** in January 2023, compared with December 2022, production of intermediate goods grew by 1.5%, while production of capital goods fell by 0.2%, durable consumer goods by 0.7%, energy by 0.8% and non-durable consumer goods by 2.1%.

In the **EU**, production of intermediate goods grew by 1.1%, energy remained stable, while production of capital goods fell by 0.2%, durable consumer goods by 0.9% and non-durable consumer goods by 3.2%.

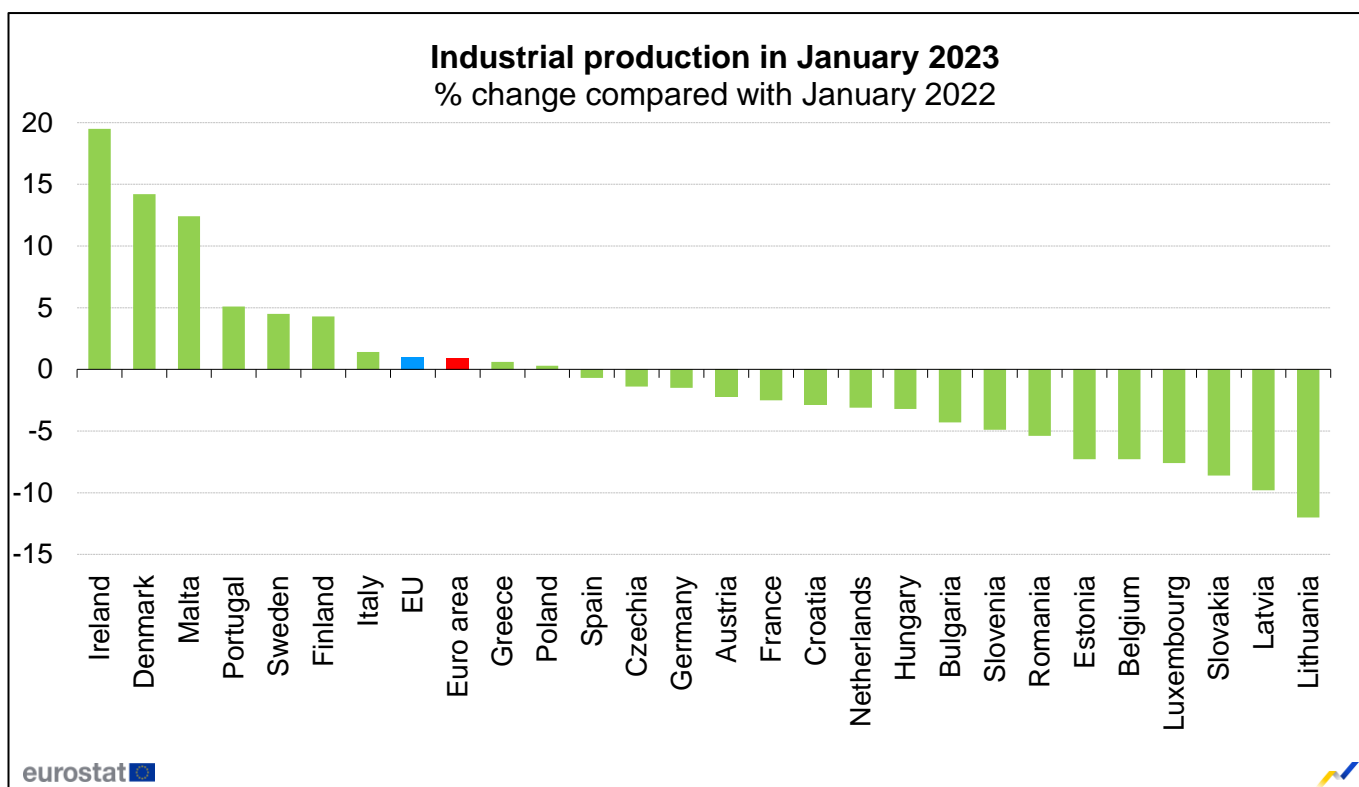
Among Member States for which data are available, the highest monthly increases were registered in **Ireland** (+9.3%), **Sweden** (+5.0%) and **Romania** (+2.0%). The largest decreases were observed in **Denmark** (-7.1%), **Hungary** (-5.0%) and the **Netherlands** (-4.3%).

Annual comparison by main industrial grouping and by Member State

In the **euro area** in January 2023, compared with January 2022, production of capital goods rose by 8.2% and non-durable consumer goods by 3.2%, while production of durable consumer goods fell by 0.6%, intermediate goods by 5.3% and energy by 7.6%.

In the **EU**, production of capital goods rose by 8.3% and non-durable consumer goods by 4.7%, while production of durable consumer goods fell by 2.5%, intermediate goods by 5.3% and energy by 7.1%.

Among Member States for which data are available, the highest annual increases were registered in **Ireland** (+19.5%), **Denmark** (+14.2%) and **Malta** (+12.4%). The largest decreases were observed in **Lithuania** (-12.0%), **Latvia** (-9.8%) and **Slovakia** (-8.6%).



Geographical information

Up to 31 December 2022, the **euro area** (EA19) included Belgium, Germany, Estonia, Ireland, Greece, Spain, France, Italy, Cyprus, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Austria, Portugal, Slovenia, Slovakia and Finland. From 1 January 2023 the **euro area** (EA20) also includes Croatia.

The aggregate data series commented on in this News Release refer to the official composition of the euro area in the most recent month for which data is available. Thus, News Releases with data for months up to December 2022 commented on EA19 series, while Releases with data for January 2023 onwards comment on EA20 series.

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 [21/2023](#) of 15 February 2023, the monthly percentage change for December 2022 has been revised from -1.1% to -1.3% in the euro area (EA19) and from -0.4% to -0.6% in the EU. The annual percentage change has been revised from -1.7% to -2.0% in the euro area (EA19) and from -0.4% to -0.6% 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*

	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23
Euro area						
Total industry	2.4	0.4	-1.8	1.4	-1.3	0.7
Intermediate goods	-0.6	-0.8	-1.4	0.5	-2.7	1.5
Energy	-0.1	-1.9	-4.4	-1.3	3.4	-0.8
Capital goods	4.7	0.4	0.1	0.5	-0.2	-0.2
Durable consumer goods	1.1	-0.7	-1.6	0.2	-1.2	-0.7
Non-durable consumer goods	2.3	2.8	0.7	3.2	-2.3	-2.1
EU						
Total industry	1.8	0.4	-1.9	1.3	-0.6	0.3
Intermediate goods	-0.6	-0.6	-1.4	0.5	-2.3	1.1
Energy	-1.3	-2.3	-3.9	-0.6	2.7	0.0
Capital goods	3.6	0.9	-0.2	0.8	0.0	-0.2
Durable consumer goods	0.5	-0.3	-1.4	-0.3	-0.6	-0.9
Non-durable consumer goods	2.0	2.6	0.4	2.6	-0.2	-3.2

Source dataset: [sts_inpr_m](#)

Total industry	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23
Euro area 20	2.4	0.4	-1.8	1.4	-1.3	0.7
Euro area 19	2.5	0.4	-1.8	1.4	-1.3	0.7
EU	1.8	0.4	-1.9	1.3	-0.6	0.3
Belgium	-3.6	7.5	-1.9	0.9	-2.6	-4.1
Bulgaria	0.2	-2.0	-2.4	0.6	-0.2	-3.0
Czechia	0.8	0.1	-3.7	3.2	0.8	-2.6
Denmark	0.9	2.1	-3.7	2.6	13.2	-7.1
Germany	-0.7	1.3	-0.9	0.8	-1.5	1.8
Estonia	5.4	-2.4	-1.5	-4.0	2.1	0.0
Ireland**	19.8	2.4	-7.4	8.8	-12.3	9.3
Greece	-1.0	-5.0	0.4	1.0	0.1	-1.2
Spain	0.2	-0.4	-0.3	-0.7	0.7	-0.9
France	2.6	-0.8	-2.5	1.9	1.5	-1.9
Croatia	-0.9	0.5	-0.8	-1.4	0.1	0.9
Italy	2.3	-2.0	-1.1	-0.1	1.2	-0.7
Cyprus	-0.8	-1.0	0.2	1.7	-0.8	:
Latvia	0.2	-1.1	-0.1	2.7	-2.8	-3.2
Lithuania	4.4	-6.4	-1.7	0.4	-4.0	-1.5
Luxembourg	-0.1	1.5	-2.7	0.8	-2.7	-1.2
Hungary	0.2	1.3	-3.7	-0.8	3.6	-5.0
Malta	-0.7	1.1	-2.9	3.4	0.9	-0.4
Netherlands	-1.7	1.7	-1.2	-1.2	2.7	-4.3
Austria	6.2	-2.3	1.4	-0.7	0.2	0.9
Poland	0.7	0.3	-0.4	1.4	1.0	-1.9
Portugal	1.9	-2.1	-1.8	3.6	3.7	-2.7
Romania	0.1	-0.5	-0.5	-1.3	-1.6	2.0
Slovenia	4.7	-2.9	-5.9	5.9	1.1	1.1
Slovakia	-0.4	-0.7	0.7	-3.0	-0.6	-1.4
Finland	0.6	1.8	-2.2	-1.1	3.3	0.7
Sweden	-7.2	1.9	-1.0	-3.4	0.4	5.0
Norway	3.2	-2.3	-1.4	-0.4	-0.3	-8.4
Switzerland	4.9	4.8	-4.3	-2.5	6.2	:

* 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*

	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23
Euro area						
Total industry	4.8	6.1	4.2	3.6	-2.0	0.9
Intermediate goods	-0.8	-2.2	-3.1	-3.4	-7.0	-5.3
Energy	-0.8	-3.4	-8.4	-11.4	-7.5	-7.6
Capital goods	14.1	16.4	11.5	10.8	-1.4	8.2
Durable consumer goods	6.8	3.3	0.0	-0.2	-0.9	-0.6
Non-durable consumer goods	2.7	5.8	10.5	11.2	8.1	3.2
EU						
Total industry	5.4	6.7	4.4	3.5	-0.6	1.0
Intermediate goods	-0.1	-1.3	-2.5	-3.3	-6.2	-5.3
Energy	0.2	-2.8	-9.3	-10.8	-8.2	-7.1
Capital goods	14.0	16.7	11.9	10.5	0.4	8.3
Durable consumer goods	4.0	2.0	-0.9	-1.9	-1.9	-2.5
Non-durable consumer goods	4.9	8.3	11.4	11.3	11.3	4.7

Source dataset: [sts_inpr_m](#)

	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23
Total industry						
Euro area 20	4.8	6.1	4.2	3.6	-2.0	0.9
Euro area 19	4.8	6.2	4.3	3.6	-2.1	0.9
EU	5.4	6.7	4.4	3.5	-0.6	1.0
Belgium	-7.3	1.3	-2.6	3.8	-1.7	-7.3
Bulgaria	15.5	10.0	4.8	4.3	2.7	-4.3
Czechia	7.6	9.2	3.6	1.3	4.9	-1.4
Denmark	11.2	20.1	8.4	9.7	25.8	14.2
Germany	2.1	3.9	-0.5	-0.1	-2.3	-1.5
Estonia	-0.5	-7.6	-6.6	-12.8	-12.1	-7.3
Ireland	36.4	34.4	51.4	45.6	-13.7	19.5
Greece	4.9	-1.2	-2.9	-1.0	-1.4	0.6
Spain	5.0	3.8	2.4	-1.3	1.3	-0.7
France	0.7	1.6	-2.6	0.4	1.6	-2.5
Croatia	1.4	2.4	0.1	-2.3	-2.3	-2.9
Italy	3.1	-0.6	-1.8	-3.7	-0.9	1.4
Cyprus	-3.1	-0.9	-2.8	1.2	0.2	:
Latvia	-1.0	-3.8	-2.6	3.6	-4.3	-9.8
Lithuania	16.5	3.5	0.5	0.2	-8.2	-12.0
Luxembourg	-1.8	1.2	-1.9	-1.5	-6.0	-7.6
Hungary	9.3	11.9	5.1	0.9	5.6	-3.2
Malta	10.9	13.2	6.3	12.7	14.9	12.4
Netherlands	1.6	3.6	2.7	-0.1	1.3	-3.1
Austria	9.1	7.3	5.1	2.6	-0.3	-2.2
Poland	11.0	10.0	6.8	4.5	5.9	0.3
Portugal	3.9	-0.1	-2.0	-0.5	2.2	5.1
Romania	-1.6	0.7	1.1	-4.0	-7.1	-5.4
Slovenia	4.5	1.3	-4.0	-3.1	-8.0	-4.9
Slovakia	0.4	0.3	-1.8	-8.5	-10.7	-8.6
Finland	2.8	5.3	0.6	-2.4	0.8	4.3
Sweden	2.7	5.0	2.5	-2.0	-1.8	4.5
Norway	4.8	1.0	3.5	4.5	0.0	-6.6
Switzerland	6.6	11.6	11.1	1.0	8.6	:

* Calendar adjusted

: Data not available

Source dataset: [sts_inpr_m](#)

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

	01-22	02-22	03-22	04-22	05-22	06-22	07-22	08-22	09-22	10-22	11-22	12-22	01-23
Euro area 20	107.1	107.5	106.4	105.4	107.6	109.7	106.2	108.7	109.1	107.1	108.6	107.2	107.9
Euro area 19	107.1	107.5	106.4	105.3	107.6	109.7	106.1	108.7	109.1	107.1	108.6	107.2	107.9
EU	110.1	110.5	109.8	108.8	110.7	112.6	109.8	111.8	112.3	110.2	111.6	110.9	111.2
Belgium	130.0	128.5	128.2	126.4	127.1	124.0	126.0	121.5	130.6	128.1	129.3	125.9	120.7
Bulgaria	123.5	121.9	127.7	126.5	127.9	126.7	127.6	127.9	125.3	122.3	123.0	122.7	119.0
Czechia	115.1	111.4	113.4	112.0	114.4	116.4	115.8	116.7	116.8	112.5	116.1	117.0	113.9
Denmark	121.9	122.8	127.3	128.2	131.4	133.2	130.3	131.5	134.2	129.3	132.6	150.1	139.4
Germany	97.3	97.7	93.0	94.7	94.8	96.0	95.4	94.7	95.9	95.0	95.8	94.4	96.1
Estonia	131.0	130.6	136.9	138.6	136.9	132.8	122.4	129.0	125.9	124.0	119.0	121.5	121.5
Ireland*	162.7	165.6	177.4	141.1	182.3	213.4	164.6	197.2	201.9	186.9	203.4	178.3	194.8
Greece	115.4	118.4	124.5	115.1	118.9	123.1	124.2	123.0	116.9	117.4	118.6	118.7	117.3
Spain	105.4	106.3	104.2	106.4	106.3	107.4	106.3	106.5	106.1	105.8	105.1	105.8	104.9
France	99.7	98.1	97.6	97.2	97.4	98.7	97.0	99.5	98.7	96.2	98.0	99.5	97.6
Croatia	113.0	112.7	112.9	111.5	111.6	112.8	111.5	110.5	111.1	110.2	108.7	108.8	109.8
Italy	102.2	106.1	106.2	107.5	106.1	104.0	104.4	106.8	104.7	103.5	103.4	104.6	103.9
Cyprus	131.8	132.9	138.2	136.9	135.8	129.8	132.0	131.0	129.7	130.0	132.2	131.1	:
Latvia	127.4	122.7	126.7	126.2	126.4	123.4	121.4	121.6	120.3	120.2	123.5	120.1	116.2
Lithuania	161.6	156.6	166.4	161.1	142.7	143.3	156.9	163.8	153.3	150.7	151.3	145.2	143.0
Luxembourg	97.6	97.5	92.8	96.3	94.3	93.5	94.5	94.4	95.8	93.2	93.9	91.4	90.3
Hungary	124.0	125.7	125.5	123.2	124.9	125.5	126.2	126.5	128.2	123.4	122.4	126.8	120.4
Malta	100.1	97.0	102.7	97.9	101.2	105.7	111.1	110.3	111.5	108.3	112.0	113.0	112.5
Netherlands	105.0	103.5	103.7	109.4	107.4	106.6	106.8	105.0	106.8	105.5	104.2	107.0	102.4
Austria	130.9	126.5	125.9	127.2	127.9	127.7	122.8	130.4	127.4	129.2	128.3	128.5	129.7
Poland	150.7	152.7	153.4	152.7	151.1	149.7	150.0	151.0	151.4	150.8	152.9	154.4	151.4
Portugal	97.2	98.0	103.0	100.8	100.3	99.2	99.1	101.0	98.9	97.1	100.6	104.3	101.5
Romania	113.5	112.1	111.1	111.4	110.6	108.0	108.5	108.6	108.1	107.6	106.2	104.5	106.6
Slovenia	140.5	127.1	135.9	129.6	134.1	135.7	129.0	135.1	131.2	123.5	130.8	132.2	133.7
Slovakia	115.4	113.4	108.2	108.4	111.6	109.1	110.2	109.8	109.0	109.8	106.5	105.9	104.4
Finland	116.3	118.1	116.1	120.2	119.6	121.0	117.6	118.3	120.4	117.7	116.4	120.2	121.0
Sweden	114.2	114.0	115.8	113.8	114.3	116.3	125.1	116.1	118.3	117.1	113.1	113.6	119.3
Norway	104.8	103.9	106.5	106.1	106.9	105.0	107.3	110.7	108.1	106.6	106.2	105.9	97.0
Switzerland	126.6	130.3	130.4	127.5	129.5	133.2	125.2	131.3	137.6	131.7	128.4	136.3	:

* 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)

	01-20	01-21	01-22	02-22	03-22	04-22	05-22	06-22	07-22	08-22	09-22	10-22	11-22	12-22	01-23
Euro area 20	101.6	103.8	105.1	103.8	111.9	104.8	106.0	109.5	107.0	91.4	117.7	116.6	116.7	100.1	106.0
Euro area 19	101.6	103.9	105.1	103.8	111.9	104.7	106.0	109.5	107.0	91.4	117.8	116.6	116.7	100.0	106.0
EU	103.1	105.3	107.8	106.9	116.1	108.1	109.5	113.0	108.9	95.4	120.3	119.4	119.6	104.2	108.9
Belgium	110.2	118.1	126.7	124.2	137.0	122.3	125.0	132.2	117.8	112.0	137.6	136.8	131.4	123.2	117.5
Bulgaria	102.8	99.7	117.0	115.4	133.6	123.6	123.4	129.9	132.7	124.4	125.6	125.7	128.9	123.7	112.0
Czechia	108.8	109.4	111.2	107.9	122.5	111.6	116.2	122.1	104.3	105.8	121.1	119.7	126.6	108.7	109.6
Denmark	108.4	110.9	121.7	118.2	134.3	123.5	130.8	135.1	115.1	128.0	143.1	135.2	138.5	145.8	139.0
Germany	94.0	91.2	91.3	94.5	100.8	93.4	93.2	97.4	95.6	88.2	100.4	98.0	102.2	90.0	89.9
Estonia	112.3	122.5	125.5	123.2	145.5	138.7	142.7	133.4	110.3	126.9	130.4	132.8	123.8	116.2	116.4
Ireland	126.9	189.3	198.3	133.8	139.6	145.9	149.1	159.0	157.0	156.5	283.8	269.0	259.7	131.4	236.9
Greece	102.6	106.3	105.4	115.1	126.1	113.2	118.7	128.6	137.9	116.8	121.7	115.2	116.2	118.7	106.0
Spain	102.4	100.2	101.9	105.9	107.5	105.1	112.0	112.8	112.5	85.5	108.8	110.6	109.9	98.3	101.2
France	104.1	104.2	102.8	97.9	106.7	96.9	92.8	102.8	95.2	76.7	100.5	102.2	102.1	100.3	100.2
Croatia	95.0	97.1	102.9	109.3	119.7	111.6	113.4	114.2	118.1	96.8	113.2	117.6	111.8	105.2	99.9
Italy	100.7	98.8	96.1	108.6	117.6	107.8	114.0	108.0	115.0	72.2	110.4	111.9	107.9	91.6	97.4
Cyprus	125.6	122.4	123.5	125.0	135.6	129.7	136.2	140.6	155.9	115.8	137.4	133.2	130.1	130.0	:
Latvia	91.1	94.1	99.7	102.6	124.1	127.8	131.8	132.4	123.7	128.6	125.1	127.1	131.3	126.5	89.9
Lithuania	110.8	125.5	155.1	148.3	178.6	157.9	146.2	142.6	150.2	158.6	152.9	158.9	156.6	147.1	136.5
Luxembourg	93.3	93.7	94.7	95.2	102.1	97.9	94.6	96.0	93.5	82.3	99.1	98.5	95.9	84.7	87.5
Hungary	113.4	110.2	118.1	126.9	135.7	121.4	126.3	130.3	122.3	113.7	137.9	130.0	129.0	115.6	114.3
Malta	109.8	101.4	96.6	89.9	102.9	97.4	103.3	111.1	121.6	107.7	117.0	114.7	113.5	96.6	108.6
Netherlands	102.1	101.2	103.3	98.2	109.7	107.9	107.0	109.5	103.6	95.0	109.9	111.0	109.2	107.0	100.1
Austria	104.8	101.8	117.0	120.2	138.7	127.4	126.9	133.5	125.1	115.2	133.1	135.0	136.1	125.0	114.4
Poland	118.7	125.1	144.3	148.1	166.8	152.9	150.6	151.0	145.1	140.4	154.5	159.5	159.7	148.1	144.8
Portugal	108.4	102.1	97.6	96.5	106.8	99.6	104.7	102.6	105.0	85.6	100.9	98.4	103.0	94.8	102.6
Romania	109.5	107.7	108.6	107.7	116.4	106.9	115.3	110.2	109.3	98.9	109.5	112.1	111.5	98.3	102.7
Slovenia	119.5	116.5	134.5	122.8	149.7	128.0	139.2	142.0	129.8	115.2	137.1	129.7	136.1	120.2	127.9
Slovakia	114.4	109.9	111.9	114.0	117.5	104.9	115.3	114.0	98.6	101.7	109.2	116.3	116.6	99.2	102.3
Finland	104.6	104.7	110.2	111.1	122.7	121.3	118.7	122.8	102.7	112.9	124.2	122.0	118.8	133.7	114.9
Sweden	109.1	108.6	111.2	112.9	130.8	115.3	115.0	122.8	99.0	98.6	121.9	125.1	120.9	116.0	116.2
Norway	106.1	112.5	112.8	103.9	111.6	103.0	106.2	100.1	94.3	107.9	104.7	113.7	112.6	107.7	105.4
Switzerland	116.9	116.6	124.0	123.6	144.1	119.1	126.4	145.9	122.5	113.7	141.4	140.2	134.8	133.9	:

: Data not available

Source dataset: [sts_inpr_m](#)

