

21/2024 - 14 February 2024

December 2023 compared with November 2023

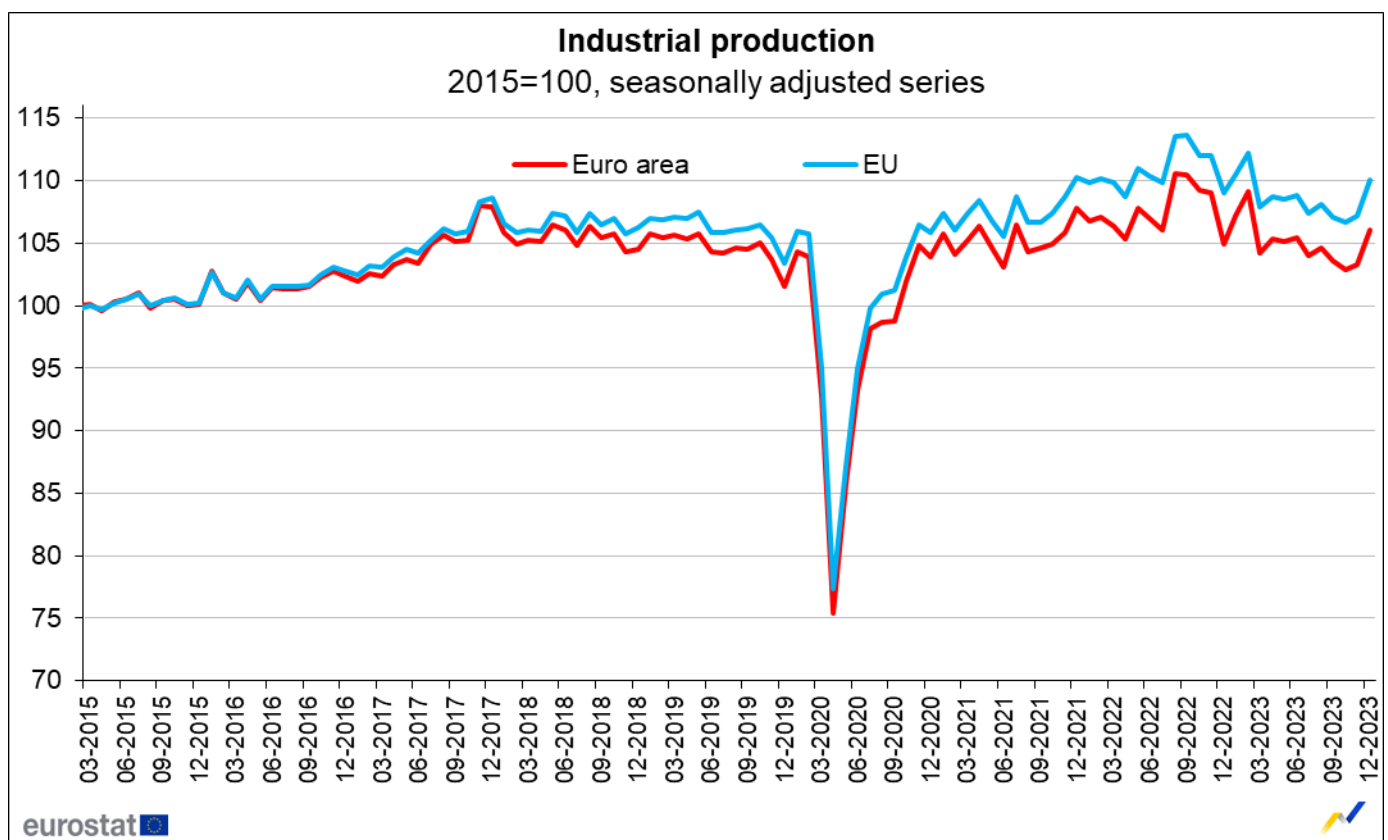
Industrial production up by 2.6% in both the euro area and the EU

Up by 1.2% in both the euro area and the EU compared with December 2022

In December 2023, the seasonally adjusted industrial production increased by 2.6% in both the **euro area** and the **EU**, compared with November 2023, according to estimates from **Eurostat, the statistical office of the European Union**. In November 2023, industrial production increased by 0.4% in the **euro area** and by 0.5% in the **EU**.

In December 2023 compared with December 2022, industrial production increased by 1.2% in both the **euro area** and the **EU**.

The annual average industrial production for the year 2023, compared with 2022, decreased by 2.4% in the **euro area** and by 2.0% in the **EU**.



Monthly comparison by main industrial grouping and by Member State

Industrial production in the **euro area** in December 2023, compared with November 2023, grew by 20.5% for capital goods, by 0.5% for durable consumer goods, by 0.3% for energy and by 0.2% for non-durable consumer goods, while production fell by 1.2% for intermediate goods.

In the **EU**, industrial production grew by 18.0% for capital goods, by 0.6% for non-durable consumer goods and by 0.4% for both energy and durable consumer goods, while production fell by 0.7% for intermediate goods.

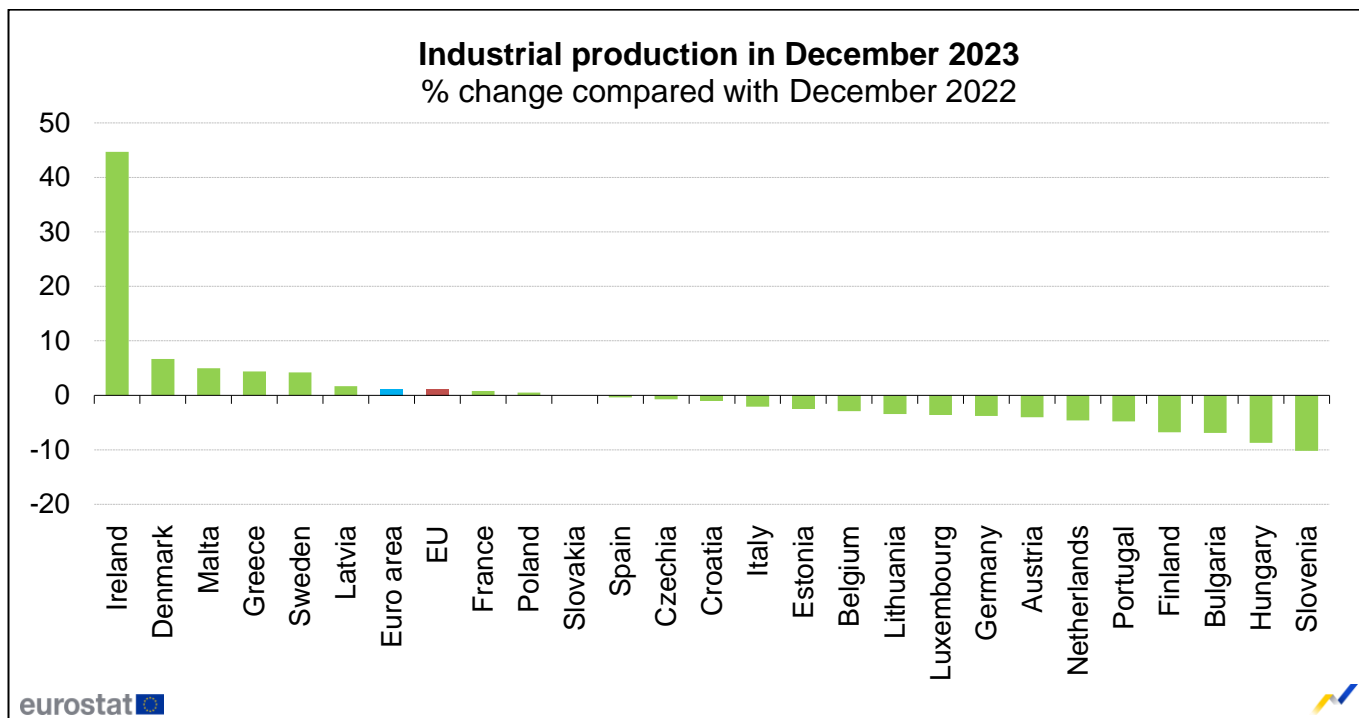
Among Member States for which data are available, the highest monthly increases were registered in **Ireland** (+23.5%), the **Netherlands** (+6.6%) and **Denmark** (+5.6%). The largest decreases were observed in **Slovenia** (-7.4%), **Croatia** (-4.3%) and **Finland** (-2.7%).

Annual comparison by main industrial grouping and by Member State

Industrial production in the **euro area** in December 2023, compared with December 2022, grew by 9.4% for capital goods, while production fell by 1.7% for energy, by 3.6% for intermediate goods, by 3.7% for non-durable consumer goods and by 5.4% for durable consumer goods.

In the **EU**, industrial production grew by 8.6% for capital goods, while production fell by 1.3% for energy, by 1.7% for non-durable consumer goods, by 4.0% for intermediate goods and by 6.4% for durable consumer goods.

Among Member States for which data are available, the highest annual increases were registered in **Ireland** (+44.7%), **Denmark** (+6.7%) and **Malta** (+5.0%). The largest decreases were observed in **Slovenia** (-10.2%), **Hungary** (-8.7%) and **Bulgaria** (-6.9%).



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 008/2024 of 15 January 2024, the monthly percentage change for November 2023 has been revised from -0.3% to +0.4% in the euro area and from -0.2% to +0.5% in the EU. The annual percentage decrease has been revised from -6.8% to -5.4% in the euro area and from -5.8% to -4.6% 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

For further information on data

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Industrial production

% change compared with previous month*

	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
Euro area						
Total industry	-1.3	0.6	-1.0	-0.7	0.4	2.6
Intermediate goods	0.1	-0.3	-0.4	-0.7	-0.7	-1.2
Energy	1.0	-0.3	-1.4	0.6	1.7	0.3
Capital goods	-3.0	0.5	0.2	-1.4	0.8	20.5
Durable consumer goods	-1.3	1.4	-1.5	-0.1	-2.0	0.5
Non-durable consumer goods	0.8	0.0	-0.8	1.2	1.6	0.2
EU						
Total industry	-1.3	0.7	-0.9	-0.4	0.5	2.6
Intermediate goods	0.0	-0.1	-0.4	-0.7	-0.8	-0.7
Energy	1.0	0.1	-1.6	2.1	1.0	0.4
Capital goods	-2.7	0.2	0.2	-0.8	0.4	18.0
Durable consumer goods	-1.2	1.4	-1.7	-0.1	-1.8	0.4
Non-durable consumer goods	-0.5	0.3	-0.5	1.2	2.1	0.6

Source dataset: [sts_inpr_m](#)

Total industry	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
Euro area	-1.3	0.6	-1.0	-0.7	0.4	2.6
EU	-1.3	0.7	-0.9	-0.4	0.5	2.6
Belgium	2.5	-3.8	-0.7	3.4	-3.0	4.6
Bulgaria	-1.1	0.8	-2.4	1.6	-3.9	3.3
Czechia	-2.8	0.0	-1.4	3.0	-1.5	2.8
Denmark	-8.8	1.2	-0.7	1.9	6.7	5.6
Germany	-1.2	0.4	-1.7	0.0	-0.1	-1.2
Estonia	-3.9	2.2	-3.4	-0.5	2.7	5.3
Ireland**	-9.0	6.4	-2.9	-6.2	7.3	23.5
Greece	2.2	1.1	-2.2	6.0	-4.1	0.7
Spain	0.3	-0.7	1.4	-0.7	1.1	-0.4
France	0.4	0.1	-0.6	-0.5	0.4	1.1
Croatia	-2.8	-2.3	3.6	-0.8	2.0	-4.3
Italy	-0.9	0.2	0.0	-0.1	-1.3	1.1
Cyprus	0.9	0.2	0.2	-1.0	1.8	:
Latvia	-2.3	1.8	0.6	1.8	-0.8	1.2
Lithuania	-5.1	2.9	2.1	-2.3	-1.3	-1.5
Luxembourg	0.3	1.0	-3.0	2.7	0.0	-0.6
Hungary	2.1	-2.4	1.0	-0.6	-2.2	-0.3
Malta	3.6	-1.8	2.8	-2.5	1.6	4.5
Netherlands	0.1	-2.4	-0.7	-2.5	0.5	6.6
Austria	-0.7	1.6	-0.9	-1.1	-0.9	2.1
Poland	-0.8	1.0	0.7	-0.1	-0.2	3.0
Portugal	0.8	-0.9	-2.9	3.2	3.6	-0.7
Romania	0.7	0.0	0.6	-1.4	c	c
Slovenia	-7.8	-2.4	3.9	0.2	3.7	-7.4
Slovakia	-2.6	4.4	-1.8	0.4	-4.0	3.5
Finland	0.1	1.8	-1.0	0.5	-0.3	-2.7
Sweden	5.8	2.3	-2.6	1.6	-0.3	2.1
Norway	2.4	0.3	-11.0	10.4	1.9	1.0
Switzerland	-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

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Source dataset: [sts_inpr_m](#)

Industrial production
% change compared with same month of the previous year*

	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
Euro area						
Total industry	-2.2	-5.3	-6.7	-6.7	-5.4	1.2
Intermediate goods	-5.1	-5.2	-4.6	-4.1	-5.4	-3.6
Energy	-6.0	-5.8	-6.0	-0.9	1.8	-1.7
Capital goods	0.6	-7.0	-9.5	-9.8	-6.7	9.4
Durable consumer goods	-6.4	-8.0	-7.2	-5.5	-8.1	-5.4
Non-durable consumer goods	-0.8	-2.1	-5.5	-7.4	-6.8	-3.7
EU						
Total industry	-2.4	-4.4	-6.1	-5.4	-4.6	1.2
Intermediate goods	-5.5	-5.4	-5.0	-4.4	-5.9	-4.0
Energy	-7.7	-6.1	-6.0	0.2	1.4	-1.3
Capital goods	1.0	-5.3	-8.2	-7.9	-5.7	8.6
Durable consumer goods	-7.1	-7.9	-8.2	-6.5	-8.3	-6.4
Non-durable consumer goods	0.2	-0.5	-3.4	-4.8	-3.6	-1.7

Source dataset: sts_inpr_m

Total industry	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
Euro area	-2.2	-5.3	-6.7	-6.7	-5.4	1.2
EU	-2.4	-4.4	-6.1	-5.4	-4.6	1.2
Belgium	-3.4	-4.6	-11.8	-6.4	-10.7	-2.9
Bulgaria	-11.6	-9.6	-11.6	-5.9	-12.3	-6.9
Czechia	-3.2	-2.2	-4.9	2.0	-2.7	-0.7
Denmark	6.0	4.8	1.5	7.6	11.6	6.7
Germany	-2.3	-2.1	-4.4	-3.7	-4.7	-3.8
Estonia	-9.5	-11.9	-13.1	-12.3	-5.9	-2.5
Ireland	-6.2	-27.5	-26.9	-34.0	-19.9	44.7
Greece	-1.8	-0.3	1.8	10.6	3.2	4.4
Spain	-2.0	-3.6	-0.2	-1.7	1.2	-0.4
France	2.5	-0.3	-0.1	2.1	0.8	0.8
Croatia	-0.7	-2.5	1.7	0.9	4.7	-1.0
Italy	-2.3	-4.2	-2.0	-1.1	-2.9	-2.1
Cyprus	3.0	5.0	4.3	2.6	4.0	:
Latvia	-8.2	-4.9	-2.7	0.9	-2.9	1.7
Lithuania	-9.0	-6.9	-0.7	-2.8	-3.5	-3.4
Luxembourg	-6.8	-5.5	-10.2	-3.9	-4.9	-3.6
Hungary	-2.5	-6.1	-5.7	-2.9	-5.3	-8.7
Malta	1.8	-0.4	3.2	2.0	0.7	5.0
Netherlands	-6.4	-7.4	-10.0	-11.6	-9.8	-4.6
Austria	-0.4	-2.0	-1.6	-3.9	-5.4	-4.0
Poland	-2.3	-1.9	-1.0	-0.6	-2.7	0.5
Portugal	-3.8	-4.9	-6.0	-1.2	-1.1	-4.8
Romania	-5.1	-5.7	-3.1	-4.3	c	c
Slovenia	-7.1	-13.9	-7.5	-1.9	-2.3	-10.2
Slovakia	-4.9	4.7	-0.2	4.4	-1.8	0.0
Finland	-2.8	0.3	-2.9	0.4	0.6	-6.8
Sweden	-8.2	1.6	-4.1	-0.5	3.0	4.2
Norway	-1.5	-8.8	-20.0	-9.1	-6.1	-1.0
Switzerland	2.0	2.1	2.4	:	:	:

* Calendar adjusted

: Data not available

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Source dataset: sts_inpr_m

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

	12-22	01-23	02-23	03-23	04-23	05-23	06-23	07-23	08-23	09-23	10-23	11-23	12-23
Euro area	104.9	107.2	109.1	104.2	105.3	105.1	105.4	104.0	104.6	103.6	102.9	103.3	106.0
EU	109.0	110.5	112.2	107.9	108.7	108.5	108.8	107.4	108.1	107.1	106.7	107.2	110.0
Belgium	125.6	121.1	125.1	126.7	121.2	122.0	118.5	121.5	116.9	116.1	120.0	116.4	121.8
Bulgaria	122.7	119.6	118.8	116.2	112.9	114.6	115.0	113.7	114.6	111.8	113.6	109.2	112.8
Czechia	116.5	113.1	114.0	116.1	114.2	114.7	116.5	113.2	113.2	111.6	114.9	113.2	116.4
Denmark	147.8	135.7	141.3	142.0	141.8	140.5	149.1	136.0	137.7	136.7	139.3	148.6	156.9
Germany	94.3	95.7	97.5	95.4	95.4	95.3	94.2	93.1	93.5	91.9	91.9	91.8	90.7
Estonia	121.2	120.3	120.1	118.9	116.4	117.4	115.7	111.2	113.7	109.8	109.3	112.2	118.2
Ireland*	143.8	185.6	200.5	134.4	168.5	155.9	172.9	157.3	167.3	162.5	152.4	163.6	202.0
Greece	119.2	117.6	123.5	123.7	121.0	121.4	119.7	122.3	123.6	120.9	128.2	122.9	123.8
Spain	105.6	105.3	105.8	107.1	105.0	105.5	104.3	104.6	103.9	105.4	104.7	105.8	105.4
France	98.8	97.4	98.9	97.8	98.4	99.6	98.9	99.3	99.4	98.8	98.3	98.7	99.8
Croatia	109.5	110.1	110.5	111.4	108.1	112.5	114.4	111.2	108.6	112.5	111.6	113.8	108.9
Italy	104.2	103.6	103.5	102.9	100.8	102.4	102.9	102.0	102.2	102.2	102.1	100.8	101.9
Cyprus	132.9	132.4	134.7	131.6	134.5	135.6	135.0	136.2	136.5	136.8	135.5	137.9	:
Latvia	119.2	116.1	119.1	118.0	117.8	116.6	117.6	114.9	117.0	117.7	119.8	118.9	120.3
Lithuania	145.5	145.7	142.8	142.7	147.7	144.3	151.4	143.7	147.9	151.0	147.5	145.6	143.4
Luxembourg	91.0	88.5	93.9	90.9	89.1	88.3	88.0	88.3	89.2	86.5	88.8	88.8	88.3
Hungary	127.6	120.3	120.2	120.7	117.8	119.6	119.2	121.7	118.8	120.0	119.3	116.7	116.4
Malta	112.0	111.3	112.7	114.1	114.2	112.2	108.3	112.2	110.2	113.3	110.5	112.3	117.3
Netherlands	105.8	101.1	101.4	100.0	97.3	98.1	99.3	99.4	97.0	96.3	93.9	94.4	100.6
Austria	128.8	131.2	129.9	126.8	127.0	125.4	123.8	122.9	124.9	123.8	122.4	121.3	123.8
Poland	154.4	150.2	151.1	149.0	147.5	147.6	148.3	147.1	148.5	149.5	149.4	149.1	153.6
Portugal	103.9	101.5	99.6	99.5	93.5	96.0	95.8	96.6	95.7	92.9	95.9	99.4	98.7
Romania	104.5	106.9	107.0	107.1	106.2	104.2	102.2	102.9	102.9	103.5	102.1	c	c
Slovenia	130.0	129.8	127.2	129.4	120.1	129.3	130.2	120.1	117.2	121.8	122.0	126.5	117.1
Slovakia	109.0	108.3	110.1	112.3	111.0	113.4	112.1	109.2	114.0	111.9	112.4	107.9	111.7
Finland	121.0	119.6	116.4	119.5	116.8	118.8	115.3	115.4	117.5	116.3	116.9	116.5	113.3
Sweden	114.4	119.9	120.0	115.2	117.4	116.1	109.2	115.5	118.2	115.1	116.9	116.5	119.0
Norway	105.8	97.4	97.4	99.5	100.1	97.1	97.6	99.9	100.2	89.2	98.5	100.4	101.4
Switzerland	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

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Source dataset: sts_inpr_m

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

	12-20	12-21	12-22	01-23	02-23	03-23	04-23	05-23	06-23	07-23	08-23	09-23	10-23	11-23	12-23
Euro area	98.0	102.0	100.0	105.8	105.7	110.3	104.4	103.6	108.4	104.6	86.6	110.0	108.9	110.6	101.2
EU	100.1	104.8	104.2	108.7	108.9	114.7	107.8	107.3	111.8	106.3	91.2	113.2	113.0	114.3	105.4
Belgium	111.3	125.3	123.5	118.2	121.6	136.8	117.3	120.1	125.6	113.8	106.8	121.3	128.0	117.4	119.9
Bulgaria	104.3	120.5	123.7	112.9	112.3	121.2	107.9	109.4	117.7	117.3	112.4	111.0	118.3	113.1	115.2
Czechia	105.3	103.6	108.7	109.0	110.5	126.1	113.6	116.9	123.2	101.1	103.5	115.1	122.1	123.2	107.9
Denmark	105.1	115.8	146.2	136.7	137.2	148.4	136.9	139.6	150.6	121.8	134.1	145.1	145.6	154.5	156.0
Germany	92.6	92.0	90.0	89.3	94.8	103.4	93.6	93.5	96.2	93.3	86.5	96.6	94.7	98.0	86.6
Estonia	115.7	132.1	116.2	115.6	113.7	126.8	116.7	122.7	116.2	99.8	111.7	113.3	116.6	116.5	113.3
Ireland	126.0	152.3	131.4	236.7	171.5	100.5	178.8	125.4	169.0	147.2	113.4	207.4	177.5	208.0	190.2
Greece	110.0	120.4	119.0	106.2	121.3	127.0	118.5	121.8	124.8	135.5	117.1	124.0	127.5	120.0	124.2
Spain	95.2	97.0	98.2	101.4	105.2	113.7	102.6	111.2	109.2	110.2	82.4	108.6	108.7	111.2	97.8
France	99.0	98.7	100.1	100.2	98.7	107.1	98.2	95.3	103.4	97.7	76.3	100.4	104.0	102.7	100.9
Croatia	103.5	107.5	105.1	100.0	107.4	118.8	107.9	114.9	116.8	117.3	94.5	115.0	118.9	117.2	104.1
Italy	88.2	92.4	91.6	97.6	106.1	113.8	99.8	110.0	107.2	112.4	69.2	108.2	110.8	104.8	89.7
Cyprus	129.6	130.4	131.5	122.2	128.0	129.8	129.8	138.6	143.0	159.7	122.2	144.1	136.0	136.5	:
Latvia	123.5	132.2	126.4	90.4	100.3	116.2	119.5	120.7	125.7	113.5	122.3	121.7	128.3	127.5	128.6
Lithuania	128.0	160.1	146.0	139.1	135.4	149.1	148.0	148.5	149.6	138.1	147.6	152.2	154.1	151.1	141.0
Luxembourg	83.8	90.1	84.4	86.4	92.2	100.6	90.7	88.0	89.9	87.2	77.4	88.9	94.5	91.1	81.4
Hungary	104.7	109.4	116.8	114.1	120.8	130.5	113.9	120.3	123.4	119.2	106.9	130.6	126.6	122.9	106.6
Malta	89.5	85.4	97.7	107.9	105.5	116.6	112.1	112.9	113.8	121.6	106.5	118.9	116.1	113.5	102.6
Netherlands	99.6	105.6	106.9	98.7	96.1	106.0	94.6	97.2	101.8	97.2	88.1	99.0	98.1	98.6	102.0
Austria	110.9	124.8	125.8	116.5	123.9	139.3	126.5	125.0	129.1	124.1	109.9	130.0	128.6	128.8	120.8
Poland	123.0	139.9	148.1	143.7	146.5	161.8	147.0	146.3	149.3	141.7	137.8	152.9	158.6	155.4	148.9
Portugal	92.6	92.8	94.5	102.6	99.1	103.2	92.6	100.5	98.9	101.0	81.4	94.8	97.2	101.9	90.0
Romania	106.1	105.8	98.3	102.9	102.9	113.6	102.2	109.1	103.3	103.7	93.3	106.1	107.3	c	c
Slovenia	112.8	130.7	117.0	125.3	122.8	144.7	117.2	135.9	138.2	119.8	98.4	126.5	127.2	133.3	105.1
Slovakia	104.6	113.7	101.0	104.9	110.8	123.4	105.3	116.2	120.1	94.9	107.5	110.5	119.7	117.2	101.0
Finland	118.5	132.6	133.7	114.8	108.5	127.3	117.5	119.3	115.6	99.6	112.7	120.0	121.8	119.9	124.6
Sweden	114.4	118.2	117.8	117.4	119.6	130.0	119.7	116.1	114.5	91.0	100.5	117.6	125.1	124.1	122.7
Norway	105.6	107.6	107.7	105.4	97.6	105.5	98.0	94.4	89.1	92.9	98.4	83.7	103.4	105.7	106.6
Switzerland	114.6	123.3	133.4	129.8	124.9	153.6	119.1	125.8	143.3	125.0	116.1	144.8	:	:	:

: Data not available

c Confidential

Source dataset: sts_inpr_m