

11 January 2023

Industrial Production Indices (IPI). Base 2015
November 2022. Provisional Data

The monthly variation of the Industrial Production Index stands at -0.7%, after adjusting for seasonal and calendar effects

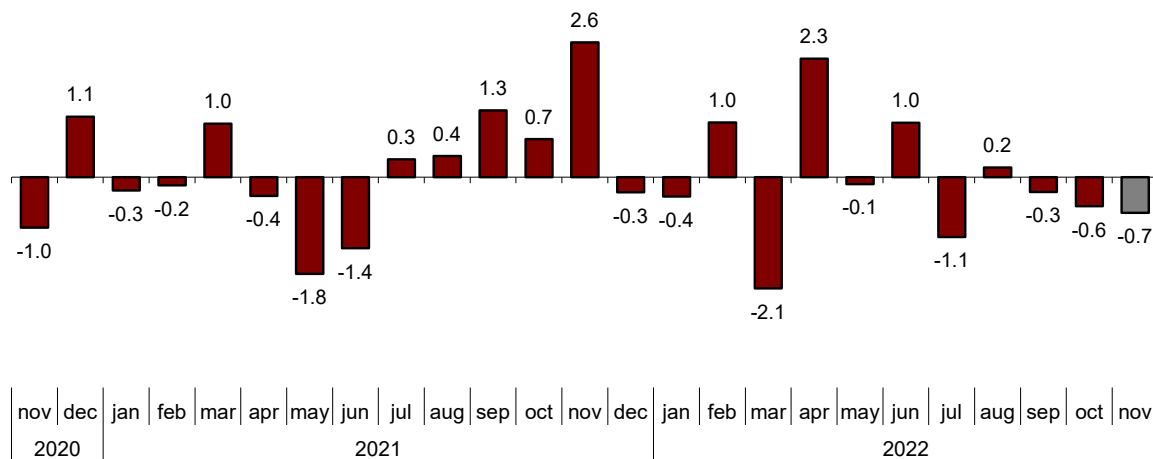
The annual rate of the Industrial Production Index stands at -1.1% in the series adjusted for seasonal and calendar effects and at -1.8% in the original series

Monthly evolution of industrial production

The monthly variation of the Industrial Production Index (IPI) between the months of November and October, after adjusting for seasonal and calendar effects, was -0.7%. This rate is 0.1 points lower than that observed in October.

General Industrial Production Index

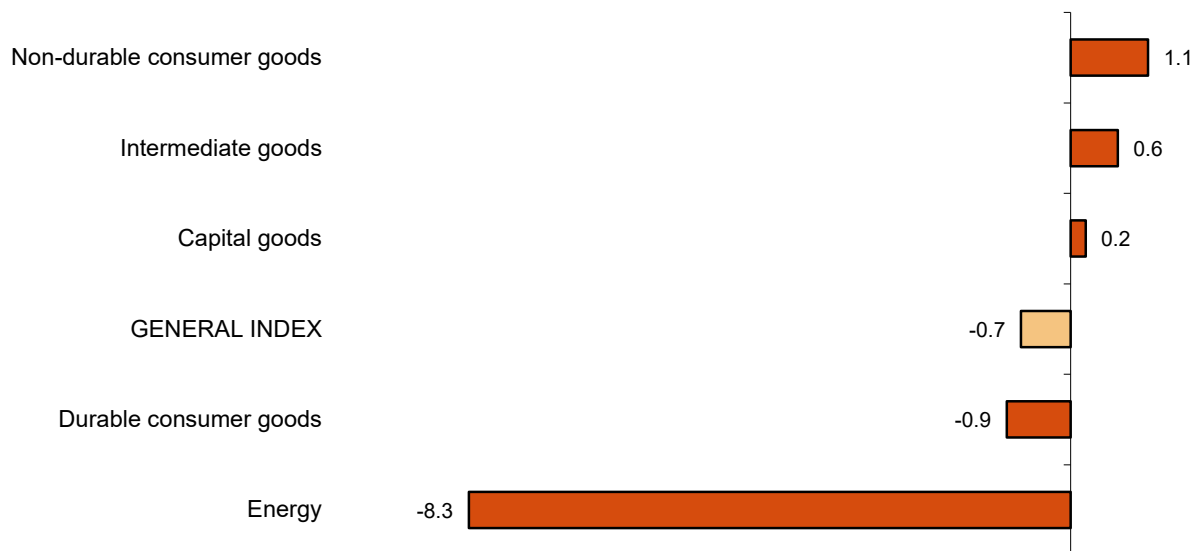
Adjusted for seasonal and calendar effects. Monthly rate (percentage)



By sectors, *Non-durable consumer goods* (1.1%), *Intermediate goods* (0.6%) and *Capital goods* (0.2%) showed positive monthly rates. On the other hand, *Energy* (-8.3%) and *Durable consumer goods* (-0.9%) showed negative monthly rates.

Industrial Production Indices: General and by economic destination

Adjusted for seasonal and calendar effects November 2022. Monthly rate (percentage)



A more detailed analysis shows the branches of activity with the greatest and lowest monthly rates in November.

Branches of activity with the highest monthly rates of the industrial production index adjusted for seasonal and calendar effects

Activity (Division from CNAE 2009)	Monthly rate (%)
Tobacco industry	13.2
Extraction of anthracite, coal and lignite	4.4
Other mining and quarrying	4.3

Branches of activity with the lowest monthly rates of the industrial production index adjusted for seasonal and calendar effects

Activity (Division from CNAE 2009)	Monthly rate (%)
Supply of electrical energy, gas, steam and air conditioning	-10.3
Manufacture of garments	-6.5
Graphic arts and reproduction of recorded media	-5.4

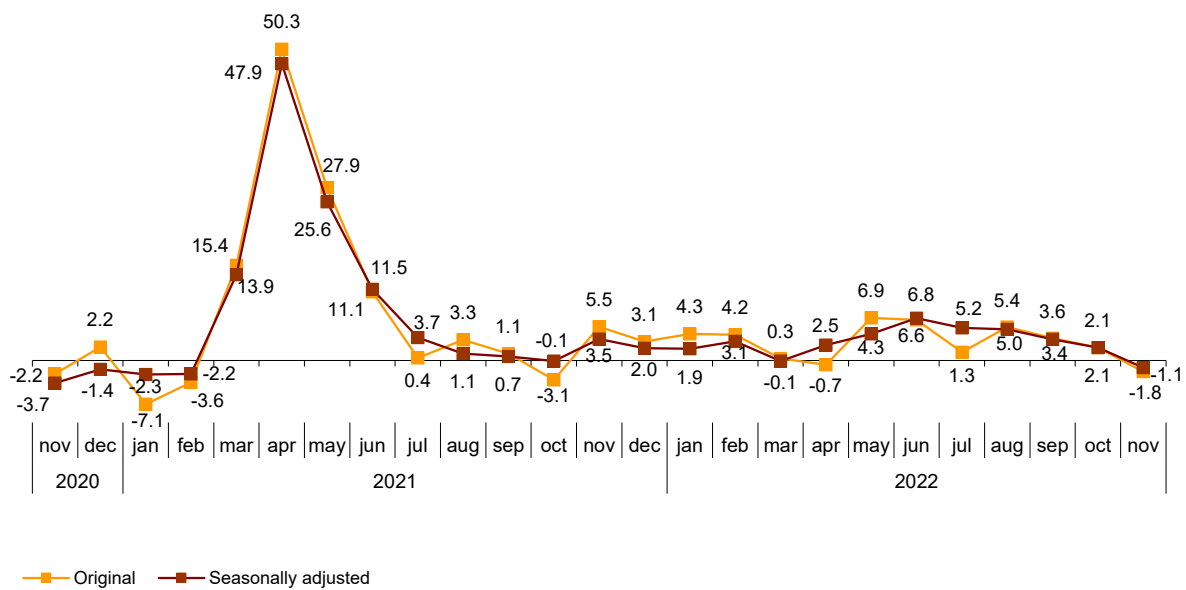
Annual evolution of industrial production

The Industrial Production Index, adjusted for seasonal and calendar effects, recorded a variation rate of -1.1% in November, as compared to the same month of the previous year. This rate is 3.2 points lower than that observed in October.

The original IPI series experienced an annual variation of -1.8%. This rate is 3.9 points lower than that of October.

General Industrial Production Index

Annual rate (percentage)



Four of the five sectors showed negative annual rates. It is worth highlighting the decrease in *Energy* (-9.7%) followed by *Durable consumer goods* (-5.3%). The only sector that increased was *Capital goods* (7.3%).

Annual rates of industrial production indices: General and by economic destination of the goods

	Original index Annual rate (%)	Seasonally adjusted index Annual rate (%)
General Index	-1.8	-1.1
Consumer goods	-2.5	-2.7
- Durable consumer goods	-6.3	-5.3
- Non-durable consumer goods	-2.1	-2.7
Capital goods	7.3	7.3
Intermediate goods	-2.9	-2.7
Energy	-9.8	-9.7

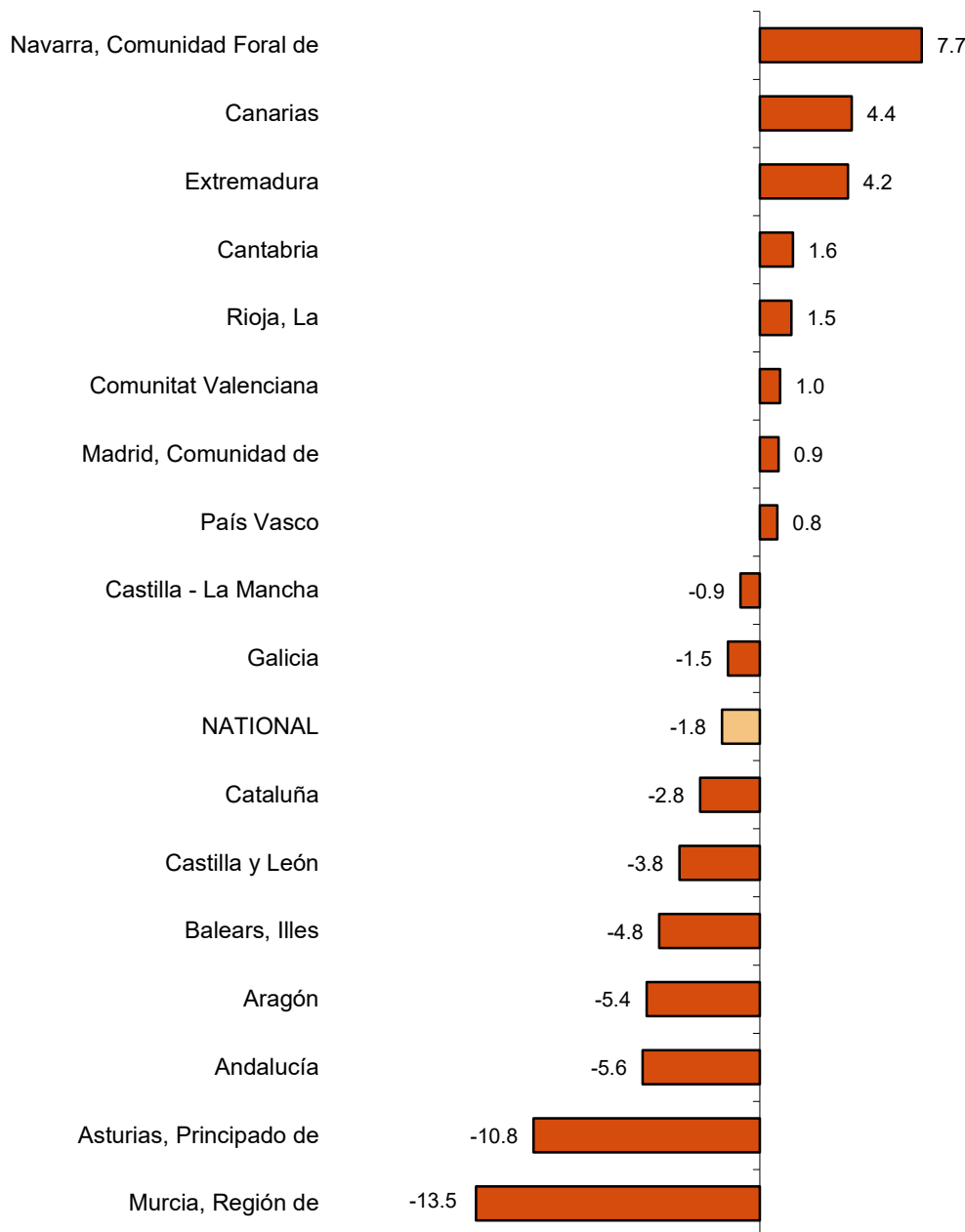
Results by Autonomous Communities. Annual variation rates of industrial production. Original series

The annual rate of industrial production increased as compared to November 2021 in eight Autonomous Communities and decreased in the other nine.

The largest decreases were recorded in Región de Murcia (-13.5%), Principado de Asturias (-10.8%) and Andalucía (-5.6%). The largest increases were recorded in Comunidad Foral de Navarra (7.7%), La Rioja (4.4%) and Extremadura (4.2%).

General indices: national and by Autonomous Communities

November 2022. Annual rate (percentage)



Data Review and Update

Coinciding with today's publication, the INE has updated the data of the IPI series corresponding to the last two months. In the case of the series adjusted for calendar effects and for seasonal and calendar effects, the series is revised from the beginning, following the INE standard. The results are available at INEBase.

Methodological note

The Industrial Production Index (IPI) is a short-term indicator that measures the monthly evolution of the productive activity of the industrial branches, excluding construction, contained in the National Classification of Economic Activities 2009 (CNAE-2009). It therefore investigates the activities included in sections B, C, D and division 36: Water collection, treatment and supply, from section E of the CNAE-2009.

The IPI measures the joint evolution of quantity and quality, eliminating the influence of prices.

Type of survey: monthly continuous survey.

Base year: 2015.

Population scope: industrial establishments whose main activity is included in sections B, C, D and division 36 of the CNAE-2009.

Geographical scope: the entire national territory.

Sample size: 11,500 industrial establishments and more than 1,100 products.

Collection method: completion of the questionnaire by the respondent using one of the following methods: internet (IRIA system), e-mail, fax, telephone or by postal mail.

For more information the methodology can be accessed at:

https://www.ine.es/en/daco/daco43/metoipi15_en.pdf

And the standardised methodological report at:

<https://www.ine.es/dynt3/metadatos/en/RespuestaDatos.html?oe=30050>

INE statistics are produced in accordance with the Code of Good Practice for European Statistics, which is the basis for the institution's quality policy and strategy. For more information see the section on [Quality at INE and the Code of Best Practices](#) on the INE website.

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Industrial Production Indices. Base 2015

November 2022

Provisional Data

1. Industrial Production Indices: General and by economic destination adjusted for seasonal and calendar effects

	Index	Rate (%)		
		Monthly	Annual	Year-to-date average
General Index	104.7	-0.7	-1.1	3.0
Consumer goods	108.9	1.5	-2.7	4.0
- Durable consumer goods	104.3	-0.9	-5.3	3.0
- Non-durable consumer goods	109.0	1.1	-2.7	4.1
Capital goods	110.8	0.2	7.3	6.1
Intermediate goods	106.4	0.6	-2.7	-1.3
Energy	90.7	-8.3	-9.7	5.0

2. Industrial Production Indices: General and by economic destination adjusted for seasonal and calendar effects

	Index	Rate (%)	
		Annual	Year-to-date average
General Index	108.9	-1.8	3.0
Consumer goods	113.2	-2.5	3.9
- Durable consumer goods	111.4	-6.3	3.3
- Non-durable consumer goods	113.4	-2.2	4.0
Capital goods	120.9	7.3	6.1
Intermediate goods	110.4	-2.9	-1.2
Energy	89.7	-9.8	5.1

3. Industrial Production Indices: General and by economic destination. Original series

	Index	Rate (%)		Repercussion Annual
		Annual	Year-to-date average	
General Index	109.8	-1.8	2.8	
Consumer goods	114.3	-2.5	3.8	-0.674
- Durable consumer goods	112.7	-6.3	3.0	-0.138
- Non-durable consumer goods	114.4	-2.1	3.9	-0.537
Capital goods	122.0	7.3	5.9	1.645
Intermediate goods	111.2	-2.9	-1.4	-0.878
Energy	90.0	-9.8	5.1	-1.902

**4. Industrial Production Indices: General and by branches of activity (CNAE 2009).
Original series**

	Index	Rate (%)		Repercussion Annual
		Annual	Year-to-date average	
General Index	109.8	-1.8	2.8	
B. Mining and quarrying industries	121.9	37.7	2.1	0.208
Extraction of anthracite, coal and lignite	..	..	..	..
National crude petroleum and natural gas	..	..	..	..
Extraction of metallic ores	..	..	..	..
Other mining and quarrying	145.2	39.0	2.2	0.206
C. Manufacturing industry	114.4	-0.5	2.3	-0.377
Food Industry	110.1	-4.1	0.5	-0.504
Manufacture of beverages.	119.2	7.9	6.0	0.256
Tobacco industry.	..	..	..	..
Textile industry	97.6	-10.4	2.1	-0.110
Manufacture of garments	92.5	-27.1	7.6	-0.284
Leather and footwear industry	73.6	4.3	13.9	0.026
Manufacture of wood and of products of wood and cork, except furniture; basketmaking and wickerwork	107.6	-23.8	2.2	-0.374
Manufacture of paper and paper-products	102.9	-7.3	-1.2	-0.179
Graphic arts and reproduction of recorded media	77.4	-13.4	-1.3	-0.176
Manufacture of coke and refined petroleum products	89.1	-12.1	4.5	-0.262
Chemical Industry	103.3	-9.1	-3.2	-0.574
Manufacture of pharmaceutical products	153.9	2.7	7.9	0.133
Rubber and plastic material transformation industry	115.1	0.0	1.5	-0.001
Manufacture of other non-metallic ore products	122.0	-2.1	-0.6	-0.086
Metallurgy; manufacture of iron, steel and ferro-alloy products	96.7	-9.0	-8.4	-0.292
Manufacture of metal products, except machinery and equipment	117.0	1.8	1.8	0.148
Manufacture of computers, electronic and optical products	135.8	4.0	3.7	0.049
Manufacture of electrical material and equipment	136.7	16.8	5.8	0.493
Manufacture of machinery and equipment n.e.c.	145.9	0.8	4.9	0.048
Manufacture of motor vehicles, trailers and semi-trailers	103.0	15.3	6.3	0.996
Manufacture of other transport equipment	111.7	7.4	5.9	0.188
Manufacture of furniture.	119.4	-7.6	3.1	-0.112
Other manufacturing industries	140.3	4.6	6.0	0.061
Repair and installation of machinery and equipment	129.5	5.5	5.5	0.165
D. Supply of electrical energy, gas, steam and air conditioning	89.7	-11.0	6.3	-1.631
E. Water supply, activities, waste management and decontamination*	94.0	-0.4	-0.5	-0.008

* It only includes Water collection, treatment and supply

(..) Data not available due to statistical secrecy.

5. Industrial production indices: national and by Autonomous Community. Original series

	Index	Rate (%)	
		Annual	Year-to-date average
National	109.8	-1.8	2.8
Andalucía	97.5	-5.6	5.2
Aragón	108.9	-5.4	5.8
Asturias, Principado de	100.3	-10.8	0.6
Balears, Illes	77.6	-4.8	15.2
Canarias	98.1	4.4	4.4
Cantabria	116.3	1.6	-0.8
Castilla y León	99.0	-3.8	-2.6
Castilla-La Mancha	112.3	-0.9	5.1
Cataluña	110.5	-2.8	0.8
Comunitat Valenciana	113.5	1.0	3.1
Extremadura	105.3	4.2	0.4
Galicia	108.0	-1.5	-1.9
Madrid, Comunidad de	119.8	0.9	5.7
Murcia, Región de	108.6	-13.5	3.7
Navarra, Comunidad Foral de	122.5	7.7	3.9
País Vasco	115.2	0.8	5.1
Rioja, La	90.6	1.5	3.0

More detailed information by Autonomous Community may be obtained at:

Andalucía	www.juntadeandalucia.es/institutodeestadisticaycartografia
Aragón	www.aragon.es/iaest/ipi
Principado de Asturias	www.sadei.es
Illes Balears	www.ibestat.caib.es
Canarias	www.gobiernodecanarias.org/istac
Cantabria	www.icane.es
Castilla y León	www.jcyl.es/estadistica
Castilla - La Mancha	www.jccm.es/estadistica
Cataluña	www.idescat.cat
Comunitat Valenciana	www.ive.es
Extremadura	http://estadistica.juntaex.es
Galicia	www.ige.xunta.es
Comunidad de Madrid	www.madrid.org/iestadis
Región de Murcia	http://econet.carm.es
La Rioja	www.larioja.org