



METHODOLOGICAL EXPLANATION

Vanja Mravljak

PRODUCER PRICE INDICES

This methodological explanation relates to the data releases:

- Producer Price Indices, Slovenia, monthly (First Release)



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1 PURPOSE

The purpose of publishing the data on producer price indices is to present monthly dynamics of producer prices of industrial products produced on the territory of Slovenia and sold in Slovenia and/or abroad.

The main statistics published are:

- Producer price indices (ICIPP-SKUPAJ/M) by NACE Rev. 2 classification,
- Producer price indices of the domestic market (ICIPP-DOMA/M) by NACE Rev. 2 classification,
- Producer price indices of the non-domestic market (ICIPP-IZVOZ/M) by NACE Rev. 2 classification.

2 LEGAL FRAMEWORK

- [Annual Programme of Statistical Surveys \(LPSR\)](#)
- [National Statistics Act](#) (OJ RS, No. 45/95 and 9/01)
- [Regulation \(EU\) 2019/2152 of the European Parliament and of the Council of 27 November 2019 on European business statistics, repealing 10 legal acts in the field of business statistics \(CELEX: 32019R2152\)](#)

3 UNIT DESCRIBED BY THE PUBLISHED DATA

Units described by the published data are representative products produced on the territory of Slovenia and sold in Slovenia and/or abroad. These products represent a large share of the turnover of business entities.

Typical products are observed within the following sections of activities according to the Standard Classification of Activities (Slovene version of NACE Rev. 2; hereinafter SKD 2008): B – Mining and quarrying, C – Manufacturing, D – Electricity supply and E – Water supply.

4 SELECTION OF OBSERVATION UNIT

Units of observation are representative products manufactured in Slovenia. Data on observation units is collected from reporting units i.e. enterprises that are manufacturers of those products.

Units are selected on the basis of threshold coverage. The main criteria for the selection are activity and turnover within the SKD 2008 class. Selected are as many units as needed to achieve 60–70% of total sales value in a particular class.

In 2024, the ICIPP–SKUPAJ/M survey covers 3561 products. The prices of these products are reported monthly by 657 reporting units. The producer price index of the domestic market survey (hereinafter ICIPP-DOMA/M) covers 2304 products, which are reported every month by 555 reporting units, and the producer price index of the non-domestic market survey (hereinafter ICIPP-IZVOZ/M) covers 1257 products, which are reported every month by 331 reporting units.

5 SOURCES AND METHODS OF DATA COLLECTION

Data are collected monthly.

Data on the prices of representative products are collected with the survey on producer price indices (CENE-SKUPAJ/M) by the following web questionnaires:

- Cene industrijskih proizvodov pri proizvajalcih za prodajo na domačem trgu (CENE-DOMA/M) to collect producer prices of products sold in the domestic market,
- Cene industrijskih proizvodov pri proizvajalcih za prodajo na tujem trgu (CENE-IZVOZ/M) to collect producer prices of products sold in the non-domestic market.

Questionnaires are available in Slovenian.

Business entities selected to the sample access the questionnaire through the eSTAT web application. The questionnaire is individually designed, which means that each reporting unit only has its representative products listed on the questionnaire. Every month reporting units enter into the questionnaire the prices of products for the transactions between the 16th of the previous month and the 15th of the current month and submit it via the eSTAT web application. They are obliged to deliver the required data by the 20th of the current month.

Data for the survey are not obtained from administrative sources.

6 DEFINITIONS

ICIPP–SKUPAJ/M – Producer price index measures the dynamics of producer prices of industrial products produced on the territory of Slovenia and sold in Slovenia and/or abroad.

ICIPP–DOMA/M – Producer price index of the domestic market measures changes in prices of manufactured goods produced and sold by producers on the domestic (Slovene) market.

ICIPP–IZVOZ/M – Producer price index of the non-domestic market measures changes in prices of manufactured goods sold by producers on non-domestic markets.

ICIPP–IZVOZ/M – EURO AREA – Producer price index of the euro area includes all products sold by Slovene producers in countries where the euro is the official currency.

ICIPP–IZVOZ/M – NON-EURO AREA – Producer price index of the non-euro area includes all products sold by Slovene producers in countries where the euro is not the official currency.

SKD 2008 – Standard Classification of Activities 2008; it is used for defining the main activity and for classifying business entities and their units for the needs of official and other administrative data collections (registers, records, databases, etc.) and for the needs of national and international statistics and analyses at various levels of comparison and decision-making.

NIP – Nomenclature of Industrial Products; it is the list of industrial products and groups of products used in industrial production statistics. Products and groups of products are also combined and classified into the Classification of Products by Activity and the Standard Classification of Activities.

Price reference (base) period is the period, the prices of which are in the index calculation compared to the prices of the current period. In our case the price base period is December of the previous year.

7 EXPLANATIONS

7.1 CLASSIFICATIONS

Producer prices of manufactured goods are collected on the nine-digit level according to the Nomenclature of Industrial Products (NIP) and processed and published according to the Standard Classification of Activities 2008 (SKD 2008). [Link to classifications: http://www.stat.si/statweb/en/Methods/Classifications](http://www.stat.si/statweb/en/Methods/Classifications)

Manufactured goods are classified into activities from the field of industry, i.e. classes, groups, divisions and sections, of the new Standard Classification of Activities (SKD 2008). Indices are published at two levels of SKD 2008, i.e. by divisions and sections.

This is an example of the breakdown and labelling of activities:

C Manufacturing -> **section**

10 Manufacture of food products -> **division**

Producer price indices of manufactured goods cover sections B (Mining and quarrying), C (Manufacturing), D (Electricity, gas and steam supply) and E (Water supply, sewerage and waste). Producer price indices of the non-domestic market cover only two sections of the SKD 2008: B (Mining and quarrying) and C (Manufacturing).

Producer price indices cover all divisions in SKD 2008 sections B, C, D and E with some exceptions:

- **Section B Mining and quarrying** includes divisions 05 Mining of coal and lignite, 06 Extraction of crude petroleum and natural gas and 08 Other mining and quarrying,
- **Section C Manufacturing**
 - does not include division 12 Manufacture of tobacco products because Slovenia no longer produces tobacco products,
 - division 19 includes only Manufacture of refined petroleum products (because motor fuels and liquid fuels for heating are no longer produced in Slovenia, the producer price index of the domestic market includes only the prices of various machine oils).
 - **Producer price indices of the domestic market** for a group of food and beverages are available at a more detailed level, i.e. class level of the SKD 2008.
- **Section D Electricity, gas and steam supply** includes only Electricity supply,
- **Section E Water supply, sewerage and waste** includes only Water collection, treatment and supply.

Additionally, we publish price indices for special groups of activities showing the dynamics of prices **by end-use of products** from individual activities at SKD class level. Activities are classified by end-use of products into four groups and two subgroups:

- Intermediate goods
- Energy
- Capital goods industries
- Consumer goods industries
 - Durable goods
 - Non-durable goods.

Because of our users needs, we also publish a special **construction materials cost index**, which is calculated on the basis of the conversion table between the old classification (SKD 2002) and the new classification (SKD 2008). This index covers the following SKD 2008 classes: B 08.11, B 08.12, C 16.10, C 16.21, C 16.23, C 19.20, C 20.16, C 20.30, C 20.52, C20.59, C 22.19, C 22.21, C 22.23, C 22.29, C 23.12, C 23.14, C 23.31, C 23.32, C 23.43, C 23.51, C 23.52, C 23.61, C 23.63, C 23.64, C 23.65, C 23.69, C 23.70, C 23.99, C 24.10, C24.31, C 24.42, C 24.43, C 25.11, C 25.12, C 25.21, C 25.29, C 25.62, C 25.72, C 25.93, C 25.99, C 26.51, C 27.12.

7.2 DATA PROCESSING

DATA EDITING

Data were edited with appropriate imputation procedures and by using appropriate individual corrections. The following imputation methods were used: mean imputations, logical imputations, historical imputations.

For more, see the general methodological explanations [Statistical data editing](#).

WEIGHTING

With weighting adjustment we want to achieve representativeness of the sample, so that the weighted data give us as good population estimates as possible.

The producer price index is a combination of the producer price index of the domestic market (CENE-DOMA/M) and the producer price index of the non-domestic market (CENE-IZVOZ/M). The weighting system for 2024 is designed on the basis of the 2022 structure of sales value of manufactured goods on the domestic market and on the non-domestic market separately.

The basic source of data is the Annual Survey on Industrial Production (IND/L). In designing the weights, the IND/L sales value data are recalculated on December 2023.

Weights are changed every year.

SEASONAL ADJUSTMENT

Seasonal adjustment is not applicable.

7.3 INDICES

1) The calculation of individual price indices

For each current month compared to the base month (i.e. December of the previous year), individual indices of particular representative goods are calculated directly from data on prices.

2) The calculation of aggregate indices at higher levels

From individual indices we calculate with weighted arithmetic mean aggregate indices, i.e. class and group indices, division and section indices, main industrial group indices and the total index.

Each aggregate index (December of the previous year = 100) calculated in this way and all other indices derived from this index and calculated with weights of the weight base period and with the same coverage of products are Laspeyres' indices of fixed type.

Since January 2024 indices have been linked through the new index reference period year 2021 (2021 average = 100). All indices are now derived and calculated through the 2021 average in the following ways:

- **Monthly base index** shows price changes in the current month compared to the average of 2021.
- **Monthly index** shows price changes in the current month compared to the previous month.
- **Index in the current year** shows price changes in the current month compared to December of the previous year.
- **Annual index** shows price changes in the current month compared to the same month of the previous year.
- **Annual average index** shows price changes in the current year compared to the same period of the previous year.
- **Average index in the current year** shows price changes in the current year compared to December of the previous year.

To provide data in the form of longer time series, the indices for the total, non-domestic and domestic prices are recalculated and published on the new index reference period (average 2021 = 100) from 2000 on.

7.4 PRECISION

The precision is not calculated.

7.5 OTHER EXPLANATIONS

Data that are statistically protected to respect the confidentiality of reporting units are replaced with the letter »z«.

8 PUBLISHING

- SiStat Database: [Prices and infation](#) - Prices in manufacturing and services, indices are published at NACE Rev. 2 division level.
- First Release (Prices and Inflation, Prices in Manufacturing and Services): »Producer price indices, Slovenia, monthly«.
- EUROSTAT (Statistical Office of the European Union)

9 REVISION OF THE DATA

9.1 PUBLISHING OF PRELIMINARY AND FINAL DATA

Provisional data are not disseminated. Only final data are published.

9.2 FACTORS INFLUENCING COMPARABILITY OVER TIME

In 2024, indices were chain linked through a new index base year 2021 (average of 2021 = 100). All indices are calculated on the basis of 2021 average. Data are available from 2000 on. There are no breaks in time series.

10 OTHER METHODOLOGICAL MATERIALS

Methodological materials on SURS's website are available at <https://www.stat.si/statweb/en/Methods/QuestionnairesMethodologicalExplanationsQualityReports>.

- Questionnaire (available only in Slovene):
 - Cene industrijskih proizvodov pri proizvajalcih za prodajo na domačem trgu (CENE-DOMA/M),
 - Cene industrijskih proizvodov pri proizvajalcih za prodajo na tujem trgu (CENE-IZVOZ/M).

Theme: Prices and Inflation, SubTheme: Prices in Manufacturing and Services

- Quality report for the survey:
 - Producer Price Indices (CENE-SKUPAJ/M).

Theme: Prices and Inflation, SubTheme: Prices in Manufacturing and Services

- National Reference Metadata in Euro SDMX Metadata Structure (ESMS):
Producer prices in industry
https://ec.europa.eu/eurostat/cache/metadata/EN/sts_ind_pric_esms_si.htm