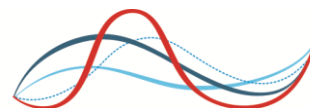




REPUBLIC OF CROATIA



CROATIAN BUREAU OF STATISTICS

QUALITY REPORT FOR STATISTICAL SURVEY
Annual Survey on Raw Material and Energy Consumption in
Industry (IND-21/REPRO/G)
For year 2017

Organisational unit: Industrial Annual Business Statistics and Producer Prices Unit
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0. Basic information

- Purpose, goal, and subject of the survey

This Survey is used to monitor total purchased and consumed quantities and stocks and/or values of consumed raw materials and consumables and their supplies for industrial production at the level of the Nomenclature of Selected Raw Materials in Industry – NRMI 2016, b) purchased and used quantities and/or values of energy in industry by type of energy, including their stocks.

- Reference period

Calendar year

- Legal acts and other agreements

Statistical Standards for the Annual Survey on Raw Material and Energy Consumption in Industry (IND-21/REPRO/G form)

Nomenclature of Raw Materials and Consumables in Industry – NRMI 2016.

The Act on the National Classification of Activities (NN, No. 98/94), Decision on the National Classification of Activities 2007 – NKD 2007. (OG, Nos 58/07 and 72/07)

Classification of Products by Activity of the Republic of Croatia – KPD 2008. (NN, No. 108/08)

Raw Materials and Recovery of Raw Materials, ctlg No. CA-57-89-451-31, Series C Eurostat Energy Statistics Methodology, Eurostat, 2000.

Regulation (EU) No 549/2013 of the European Parliament and of the Council of 21 May 2013 on the European system of national and regional accounts in the European Union (ESA 2010), OJ L 174/1, 26 June 2013

Council Regulation (EC) No 2223/96 of 25 June 1996 on the European system of national and regional accounts in the Community

Methodology Note on I/O Tables, CIRCA website, Eurostat

Regulation (EC) No 1893/2006 of the European Parliament and of the Council of 20 December 2006 establishing the Statistical Classification of Economic Activities NACE Rev. 2 and amending Council Regulation (EEC) No 3037/90 and certain EC Regulations on specific statistical domains

Regulation (EC) No 451/2008 of the European Parliament and of the Council of 23 April 2008 establishing a new statistical classification of products by activity (CPA) and repealing Council Regulation (EEC) No 3696/93

Regulation (EC) No 1059/2003 of the European Parliament and of the Council of 26 May 2003 on the establishment of a common classification of territorial units for statistics (NUTS)

- Classification system

National Classification of Activities, 2007 version

Nomenclature of Raw Material and Consumable Inputs of Industry, 2016 version

- Concepts and definitions

The results were aggregated from data collected at the level of the Nomenclature of Raw Materials and Consumables for Industry – NRMI 2016., which is an integral part of the Statistical Standards for the Annual Survey on Raw Materials and Energy Consumption in Industry (IND-21/REPRO form) for 2017 in the Republic of Croatia.

- Statistical units

The Survey covers all trade companies and other legal entities and natural persons and parts thereof employing 10 and more persons that were engaged in industrial production and/or services (production on own account or on contract basis) in a referent annual period, as defined in the NKD 2007. sections B, C, D and E (only division 36).

- Statistical population

Reporting units in the REPRO Survey on the Consumption of Raw Materials and Consumables in Industry in 2017 are all trade companies, tradesmen and other legal entities and parts thereof employing 10 and more persons that consumed raw materials and consumables for industrial production purposes within the NKD 2007. industrial sections B, C, D and E (only division 36) in a referent annual period. Target statistical units are industrial enterprises and local units of industrial and non-industrial enterprises that consumed raw materials and consumables defined in the NRMI 2016. for industrial production purposes already recorded in the PRODCOM Survey for 2017, except statistical units or parts thereof that are "physically" situated outside the territory of the Republic of Croatia.

1. Relevance

1.1. Data users

- internal users: National Accounts Department
- external – national users: ministries and state administration bodies, Croatian Chamber of Economy, business entities on request and international users: Eurostat

1.1.1 User needs

Users require detailed data of annual industry indicators movements (specific activity) for market analysis purposes, business monitoring and decision-making (business entities), for research and writing academic papers (students) purposes.

1.1.2 User satisfaction

The first user satisfaction survey was carried out in 2013 and the next one in 2015. Detailed results of that survey can be found on the CBS website www.dzs.hr under the section Quality. https://www.dzs.hr/Eng/international/Quality_Report/Quality_Report_Documents/Quality_Report_Satisfaction_Survey.pdf.

1.2. Completeness

All planned and requested data of this Survey are produced according to guidelines and legal acts and therefore the completeness is 100%.

1.2.1 Data completeness rate

Data completeness rate is 100%

2. Accuracy and reliability

2.1. Sampling error

The survey is based on a cut-off sample.

2.1.1 Sampling error indicators

Indicator for this survey is not applicable.

2.1.2 Bias due to sample selection process

Bias due to sample selection process for specific statistics:

Statistics	Domain	Domain value	Value
IND-21/REPRO/G	Croatia	Croatia	0,89

2.2. Non-sampling error

Errors in estimations that cannot be linked to the sample selection is the unit non-response rate, non-response rate is negligible and has no effect on key results.

2.2.1 Coverage error

Data on the value of consumed raw materials and consumables for purposes of the industrial production in 2017 were compiled by the processing of the Annual Survey on Raw Materials and Energy Consumption in Industry for 2017 (IND-21/REPRO), which covered 3 103 industrial local units belonging to legal entities and tradesmen employing 10 and more persons. Exceptionally, if a certain county state administration office competent for official statistics considers that a particular reporting unit is statistically important for that county, the Croatian Bureau of Statistics decides if it is important or not. If CBS concludes that it is important, such unit is then subsequently included in the Survey.

2.2.2 Over-coverage rate

Indicator for this survey is not applicable.

2.2.3 Measurement errors

The data collection through the electronic form on the CBS website www.dzs.hr has highly reduced the possibility of calculation errors, incorrect codes and measurement units.

Also, during the submission of the form, various warnings have been incorporated if a certain aberration has been spotted in relation to the previous year.

It may happen that companies make errors during the entry of data that are not validated later. This is resolved by contacting the person who filled in the form.

2.2.4 Non-response errors

In the case of unit non-response, data are estimated but have no impact on key results. Also, all requested variables from the form are submitted in a way that there is no missing information.

2.2.5 Unit non - response rate

Unweighted non - response rate is 0%.

2.2.6 Item non-response - rate

Unweighted item non-response rate:

Statistics	Domain	Domain value	Value
Non-response rate for all variables	Croatia	Croatia	0

%

2.2.7 Processing errors

The classification according to the NKD is taken over from the Statistical Business Register (SBR). Compatibility checks of raw materials and consumables codes in publications and listed NKD activities for enterprises included in the Survey are performed at the beginning of every two years, which reduces the possibility of incorrect breakdown according to the NKD classification. Data are regularly validated.

2.2.8 Imputation rate

Indicator for this survey is not applicable.

2.2.9 Editing rate

Indicator for this survey is not computed.

2.2.10 Hit rate

Indicator for this survey is not computed.

2.2.11 Model assumption error

The estimate calculation model is not applied.

2.3. Data revision

2.3.1 Data revision – policy

The users of statistical data are informed about revisions (preliminary, final data) on the web site of the Croatian Bureau of Statistics www.dzs.hr.

2.3.2 Data revision – practice

Provisional figures are not published in this survey and therefore regular revisions are not planned.

2.3.3 Data revision – average size

Indicator for this survey is not applicable.

2.4. Seasonal adjustment

Not applicable.

3. Timeliness and Punctuality

3.1. Timeliness

3.1.1 Timeliness – first results

Timeliness of first results is T + 10 months

3.1.2 Timeliness – final results:

Timeliness of final results is T + 10 months

3.2. Punctuality

3.2.1 Punctuality – delivery and publication

Punctuality is 0.

4. Accessibility and clarity

Annual First Release, Statistical Reports Inputs of Raw Materials in Industrial Production in 2016, Detailed Annual Results, Statistical Yearbook of the Republic of Croatia, Statistics in Line

The data are available on the website of the Croatian Bureau of Statistics in an electronic form www.dzs.hr as well as in the paper form in the library of the Croatian Bureau of Statistic, to read or to purchase.

4.1. News release

Annual First Release No. 2.1.6. Inputs of Raw Materials and Consumables in Industrial Production, 2017, First Results

4.2. Other publications

Inputs of Raw Materials in Industrial Production, 2017, Detailed Annual Results

4.3. On-line database

Results from this Survey are currently not published in online databases. They are only published in regular publications.

4.4. Micro-data access

Conditions under which certain users can have access to microdata are regulated by the Ordinance on the Conditions and Manner of Use of Statistical Data for Scientific Purposes (OG, No. 137/13).

4.5. Documentation on methodology

The description of the methodology and data sources can be found at the end of each First Release and Statistical Reports: the annual First Release 2.1.6. Inputs of Raw Materials and Consumables in Industrial Production, 2017, First Results.

5. Comparability

5.1. Asymmetry for mirror flows statistics

Not applicable.

5.2. Comparability over time

5.1.1 Length of comparable time series

Length of comparable time series is 9.

5.1.2 Reasons for break in time series

There are no breaks in time series.

6. Coherence

6.1. Coherence – short-term and structural data

The indicator for this survey is not applicable.

6.2. Coherence – national accounts

The indicator for this survey is not applicable.

6.3. Coherence – administrative sources

The indicator for this survey is not applicable.

7. Cost and burden

7.1. Cost

Data collection is based on an online survey, so the costs are minimal accordingly.

7.2. Burden

Response burden is significantly reduced by switching to an online survey by filling out an electronic form in which the main features, such as name of the reporting units, raw material codes and measurement units) are already filled in.