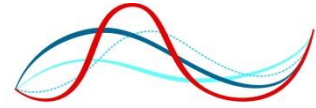REPUBLIKA HRVATSKA
DRŽAVNI ZAVOD ZA STATISTIKU

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REPUBLIKE HRVATSKE

QUALITY REPORT FOR STATISTICAL SURVEY

Annual Survey on Raw Material and Energy Consumption in Industry (IND-21/REPRO/G)

For 2019

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.

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

Classification of Products by Activities of the Republic of Croatia, 2015 version – KPD 2015 (NN, No 157/14)

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 2019 in the Republic of Croatia.

- Statistical units

The Survey covers all trade companies and other legal entities and natural persons and parts thereof employing ten 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 2019 are all trade companies, tradesmen and other legal entities and parts thereof employing ten 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 2019, 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 from the Croatian Bureau of Statistics: National Accounts Directorate

External:

- national users: ministries and state administration bodies, Croatian Chamber of Economy and business entities; international users: Eurostat.

1.1.1. User needs

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

1.1.2. User satisfaction

The first user satisfaction survey of the Croatian Bureau of Statistics was carried out in 2013, and the second one in 2015, for which detailed data are available on the website of the Croatian Bureau of Statistics under the section Quality:
http://www.dzs.hr/Hrv/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 the cut-off sample.

2.1.1.   Sampling error indicators

The indicator for this survey is not applicable.

2.1.2.   Bias in sample selection process

Bias in sample selection process for certain statistics:

%

Statistics	Coverage	Value of coverage	Value
IND-21/REPRO/G	Croatia	Croatia	0.86

2.2.   Non-sampling error

Error in estimations that cannot be linked to the sample selection is the unit non-response. The 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 2019 were compiled by the processing of the Annual Survey on Raw Materials and Energy Consumption in Industry for 2019 (IND-21/REPRO), which covered 3 081 industrial local units belonging to legal entities and tradesmen employing ten 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 the Croatian Bureau of Statistics concludes that it is important, such unit is then subsequently included in the Survey.

2.2.2.   Over-coverage rate

The indicator for this survey is not applicable.

2.2.3.   Measurement errors

Data collection via an electronic form on the website of the Croatian Bureau of Statistics has greatly reduced the possibility of calculation errors, incorrect codes and units of measurement.

The form contains various warnings in case there is a visible deviation from previous year.

Errors made by companies when entering data that do not later pass data verification can occur, and are resolved by contacting the person in charge of filling out the form.

2.2.4. Non-response errors

In case of non-response of a unit, 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

The unweighted non-response rate is 0%.

2.2.6. Item non-response rate

%

Statistics	Coverage	Value of coverage	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

The indicator for this survey is not applicable.

2.2.9. Editing rate

The indicator for this survey is not computed.

2.2.10. Hit rate

The 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 (provisional, final data) on the website of the Croatian Bureau of Statistics.

2.3.2.   Data revision – practice

Provisional data are not published in the survey; therefore, there are no data revisions.

2.3.3.   Data revision – average size

The indicator for this survey is not applicable.

2.4.   Seasonal adjustment

Not applicable.

3.   Timeliness and punctuality

3.1.   Timeliness

3.1.1.   Time lag – first results

Time lag – first results is T + 10 months.

3.1.2.   Time lag – final results

Time lag – 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, Inputs of Raw Materials in Industrial Production in 2019, Detailed Annual Results, Statistical Yearbook of the Republic of Croatia, Statistics in Line.

Data are available online on the website of the Croatian Bureau of Statistics and in printed form at the Library of the Croatian Bureau of Statistics for reading or purchase.

4.1.   News release

Annual First Release 2.1.6. INPUTS OF RAW MATERIALS AND CONSUMABLES IN INDUSTRIAL PRODUCTION, 2019, First Results

4.2.   Other publications

Inputs of Raw Materials in Industrial Production, 2019, Detailed Annual Results

4.3.   Online database

The results of this Survey are currently not published in online databases. They are only published in regular publications.

4.4. Micro-data access

The conditions under which certain users can access microdata are regulated by the Ordinance on the Conditions and Manner of Using Confidential Statistical Data for Scientific Purposes.

4.5. Documentation on methodology

Description of the methodology and data sources can be found at the end of each First Release and Statistical Report.

5. Comparability

5.1. Asymmetry for mirror flows statistics

Not applicable.

5.2. Comparability over time

5.2.1. Length of comparable time series

Length of comparable time series is 10.

5.2.2. Reasons for break in time series

There is no break 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 and, accordingly, costs are minimal.

7.2. Burden

The burden on reporting units has been greatly reduced by switching to an online survey and filling in an electronic form in which the main features (name of the reporting unit, raw material codes and units of measurement) are previously filled in.