



REPUBLIC OF CROATIA



CROATIAN BUREAU OF STATISTICS

QUALITY REPORT FOR STATISTICAL SURVEY
Annual Report on Utilisation and Protection of Waters
from Pollution in Mining, Manufacturing and Electricity,
Gas and Water Supply (VOD-1)
For 2016

Organisational unit: Environment and Energy Statistics and
Sustainable Development Indicators
Department Environment Statistics Unit

Prepared by: Mirjana Žanić

March, 2020

0. Basic information

- Purpose, goal, and subject of the survey

Water supply, utilisation of water, discharge of used (waste) water and discharge of purified waste water from industry

- Reference period

Calendar year

- Legal acts and other agreements

Decision on the National Classification of Activities 2007 – NKD 2007. (OG, Nos 58/07 and 72/07)

Water Act (OG, Nos 153/09, 63/11, 130/11, 56/13 and 14/14)

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 Revision 2 and amending Council Regulation (EEC) No 3037/90 as well as certain EC Regulations on specific statistical domains

- Classification system

National Classification of Activities 2007 (NKD 2007.)

- Concepts and definitions

Water supply includes the total volume of water used in supplying enterprises/trade companies, irrespective of whether it was used for own purposes or sold to other users. Data on water supply are given according to the origin of the water: from the public supply system, other systems or own water supplies, providing that own water supplies include abstractions from the ground, springs, watercourses, lakes, reservoirs or the sea.

Water utilisation includes the total volume of water used by a reporting unit for its own purposes in the period of one year. It includes the volume of water used in technological processes (production and cooling as well as water spent in the process of production or in the process of cooling), for sanitary purposes and other purposes.

Discharge of waste water includes the total volume of discharged waste water according to the place of discharging into a recipient.

Discharge of treated waste water includes the total volume of discharged treated waste water according to the place of discharging into a recipient.

- Statistical units

Business entities (and parts thereof) from section B Mining and quarrying, C Manufacturing, D Electricity, gas, steam and air conditioning supply and E Water supply; sewage, waste management and remediation activities according to the National Classification of Economic Activities 2007 – NKD 2007., who use more than 1 000 m³ of water in performing their activities.

- Statistical population

Business entities (and parts thereof) from section B Mining and quarrying, C Manufacturing, D Electricity, gas, steam and air conditioning supply and E Water supply; sewage, waste management and remediation activities according to the National Classification of Economic Activities 2007 – NKD 2007.

1. Relevance

1.1. Data users

- Scientists, students

1.1.1 User needs

- Researchers – for researches
- Students – for theses

1.1.2 User satisfaction

A user satisfaction survey has been conducted on the web site of the Croatian Bureau of Statistics www.dzs.hr, on the link https://www.dzs.hr/Eng/international/Quality_Report/Quality_Report_Documents/Quality_Report_Satisfaction_Survey.pdf.

1.2. Completeness

Data on inland waters have been submitted to Eurostat in accordance with the gentlemen's agreement. Voluntary tables for regional waters have not been filled in.

1.2.1 Data completeness rate

Indicator for this survey is not computed.

2. Accuracy and reliability

2.1. Sampling error

Not applicable.

2.1.1 Sampling error indicators

Indicator for this survey is not computed.

2.1.2 Bias due to sample selection process

Indicator for this survey is not computed.

2.2. Non-sampling error

The eligibility rate is the share of eligible reporting units among all selected reporting units.

2.2.1 Coverage error

Not applicable.

2.2.2 Over-coverage rate

Indicator for this survey is not applicable.

2.2.3 Measurement errors

A treatment includes logical and arithmetical control, while errors that emerged are checked by phone with reporting units before correction.

2.2.4 Non-response errors

Reporting units are contacted by phone when necessary.

2.2.5 Unit non-response rate

Indicator for this survey is not computed.

2.2.6 Item non-response-rate

Indicator for this survey is not computed.

2.2.7 Processing errors

Incorrectly entered data are verified either at the reporting unit or in the processing, after which they are checked and corrected.

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

Not applicable.

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 www.dzs.hr of the Croatian Bureau of Statistics

2.3.2 Data revision – practice

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

In case a calculation error is discovered later, a correction of the First Release is issued.

Example:

In the First Release No. 6.1.1. Utilisation of Waters and Protection of Waters from Pollution in Industry, 2015, of 15 November 2016, an error occurred in the calculation of final data and the Correction was published on 30 January 2017.

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 Time lag – first results

Indicator for this survey is not applicable.

3.1.2 Time lag – final results:

Timeliness of final results is T + 10.15 months.

3.2. Punctuality

3.2.1 Punctuality – delivery and publication

Punctuality is: 0.

4. Accessibility and clarity

Data are disseminated in paper and electronic format and released on the website of the Croatian Bureau of Statistics www.dzs.hr in the form of the First Releases.

The First Release contains short methodological explanations, such as sources and methods of data collection, coverage and comparability, definitions and etc.

4.1. News release

First Release No. 6.1.1. Utilisation of Waters and Protection of Waters from Pollution in Industry, 2015

4.2. Other publications

Not applicable.

4.3. On-line database

Not applicable.

4.4. Micro-data access

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

4.5. Documentation on methodology

Basic notes on methodology are published within the First Release.

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: 14.

5.2.2 Reasons for break in time series

Not applicable.

6. Coherence

6.1. Coherence – short-term and structural data

Indicator for this survey is not computed.

6.2. Coherence – national accounts

Indicator for this survey is not computed.

6.3. Coherence – administrative sources

Indicator for this survey is not computed.

7. Cost and burden

7.1. Cost

Costs are associated with the production of data through material costs and employees' incomes.

7.2. Burden

Indicator for this survey is not computed.