QUALITY REPORT FOR STATISTICAL SURVEY

**Annual Survey on Water Supply System (VOD-2V)
for 2023**

Organisational unit: Environment Statistics Unit

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0. Basic information

- Purpose, goal, and subject of the survey

  Survey collects data on volume of abstracted water by water sources, volume of water distributed to consumers, water losses, water main network data

- Reference period

  Calendar year

- Legal acts and other agreements

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

  Ordinance on Register of Spatial Units (OG, No. 37/20)

  Water Act (OG, No. 47/23)

  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

- Concepts and definitions

  Water supply from public water supply system is the total volume of water abstracted from ground waters (underground sources and springs), surface waters (watercourses, reservoirs and lakes) and the total volume of water abstracted from other water supply systems.

  Abstracted volume of water is the total volume of water abstracted from all water sources. Water sources may be ground and surface ones. Public springs are all sources that are used in supplying of water mains, such as ground watercourses, springs, watercourses, reservoirs and lakes.

  Distributed volume of water is the volume of water sold to consumers (households, economy), to other water supply systems, water used in own water supply system and volume of uncharged water.

  Total water losses are losses actually found in public water main network, caused by mechanical malfunctions or installation defects on water mains.

  The length of the public water main network consists of the length of water mains and the length of distribution network.

  The length of water mains is the length of pipes used for the supply of water and reaching of the required pressure.

  The length of distribution network is the length of the water main network from the tank to the consumer (excluded are the length of connections and network in a building).

  Water treatment plants are facilities used for purification (conditioning). Tanks are divided into underground and elevated (tower-shaped) ones, used for the accumulation of water and reaching the required pressure.

- Statistical units

  Reporting units are public water suppliers of public water services. According to the Water Act (NN, No. 47/23), the public supplier of water services of public water supply system is a company in which all shares or equity shares are held by local self-government units or companies in which all shares or equity shares are held directly by local self-government units, that is, an institution founded by a local self-government unit.

- Statistical population

  The Report is filled in by legal entities and parts thereof registered according to the NKD 2007 (NN, Nos 58/07 and 72/07) in section E Water supply; sewerage, waste management and remediation activities, class 36.00 Water collection, purification and supply.

1. Relevance

1.1. Data users

Scientists, students

1.1.1. User needs

Scientists, for research purposes
Students, for theses

1.1.2. User satisfaction

The User Satisfaction Survey was conducted in 2015. The results of the Survey are available on request.

1.2. Completeness

The data are collected for national and Eurostat purposes. Data are transmitted to Eurostat (OECD/Eurostat questionnaire on Inland Waters) in accordance with the gentlemen's agreement.

1.2.1. Data completeness rate

The indicator for this survey is not applicable.

2. Accuracy and reliability

2.1. Sampling error

The indicator for this survey is not applicable.

2.1.1. Sampling error indicators

The indicator for this survey is not applicable.

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, the coverage is full. The source for the address list of reporting units is the Statistical Business Register. The data are also compared with the last year's address list of reporting units.

2.2.2. Over-coverage rate

The indicator for this survey is not applicable.

2.2.3. Measurement errors

A treatment includes data verification, while errors that emerged are checked with reporting units before correction.

2.2.4. Non-response errors

Reporting units are contacted when necessary.

2.2.5. Unit non-response rate

The indicator for this survey is not applicable.

2.2.6. Item non-response rate

The indicator for this survey is not applicable.

2.2.7. Processing errors

Data that have been incorrectly entered by the reporting unit are verified and corrected during the processing.

2.2.8. Imputation rate

The indicator for this survey is not applicable.

2.2.9. Model assumption error

The indicator for this survey is not applicable.

2.3. Data revision

2.3.1. Data revision – policy

The users of statistical data are informed about revisions (preliminary data, final data) on the website of the Croatian Bureau of Statistics.

2.3.2. Data revision – practice

Since 2018, the Croatian Bureau of Statistics has ceased to conduct a part of the survey relating to particular water supply facilities due to the implementation of the new methodology. This information is published in the First Release as a notice.

2.3.3. Data revision – average size

The indicator for this survey is not applicable.

2.4. Seasonal adjustment

The indicator for this survey is not applicable.

3. Timeliness and punctuality

3.1. Timeliness

T + 6.5 months – First release (data for 2022 were released in the First Release of 13 July 2023)

T + 6.17 months – PC-Axis database

3.1.1. Timeliness – first results

Timeliness of first results is: T + 6.5.

3.1.2. Timeliness – final results

Timeliness of final results is: T + 0.

3.2. Punctuality

T + 0.

All data were released in line with the scheduled release dates.

3.2.1. Punctuality − delivery and publication

Punctuality is: 17.

4. Accessibility and clarity

Data are disseminated in paper and in electronic format – release on the website of the Croatian Bureau of Statistics in the form of the First Releases and PC-Axis databases.

The First Release contains short methodological explanations, such as sources and methods of data collection, coverage and comparability, definitions and etc. Metadata are also available in the database.

4.1. News release

OEN-2023-1-2 Collection, Purification and Distribution of Water, 2022

4.2. Online database

https://dzs.gov.hr/en

4.3. Microdata 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.

4.4. Documentation on methodology

The basic methodological explanations are published in the First Release and in the database.

5. Coherence and comparability

5.1. Asymmetry for mirror flows statistics

The indicator for this survey is not applicable.

5.2. Comparability over time

Comparable data series refer to the periods from 2001 to 2022 (database) and from 2002 to 2022 (First Release).

5.2.1. Length of comparable time series

The indicator for this survey is not applicable.

5.2.2. Reasons for break in time series

Since 2018, the Croatian Bureau of Statistics has ceased to conduct a part of the survey relating to particular water supply facilities due to the implementation of the new methodology.

5.3. Coherence – short-term and structural data

The indicator for this survey is not applicable.

5.4. Coherence – national accounts

The indicator for this survey is not applicable.

5.5. Coherence – administrative sources

The indicator for this survey is not applicable.

6. Cost and burden

6.1. Cost

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

6.2. Burden

The indicator for this survey is not computed.