



REPUBLIC OF CROATIA



CROATIAN BUREAU OF STATISTICS

QUALITY REPORT FOR STATISTICAL SURVEY
Annual Survey on Public Sewage System (VOD-2K)
for 2020

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

Prepared by: Gordana Lepčević and Željka Čuklić

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0. Basic information

- Purpose, goal, and subject of the survey

Waste waters, treatment of waste waters, discharge of waste waters, sewerage network, waste water treatment plants.

- 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. 75/00)

Water Act (OG, No. 66/19)

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

Waste waters are waters that are considered waste ones after use. They are drained to the treatment plants after use, or discharged into the environment (into ground or surface waters). They include atmospheric waters as well.

Treated waste waters comprise all amounts of waste waters treated by using either primary (mechanical), secondary (biological) or tertiary (combined) treatment method.

Public sewage system is a network of enclosed public drains and sewers used either for draining of both waste and atmospheric waters together (general water sewage system), or for separate draining of waste and atmospheric waters (separation water sewage system). The length of sewage system does not include the length of connections and networks within buildings.

Main sewer is a collecting drain that drains water from one part or the whole city to the recipient or to the treatment plant.

- Statistical units

Reporting units are public suppliers of public sewage system services. According to the Water Act (NN, No. 66/19), the public supplier of sewage system services 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

Legal entities (and parts thereof) classified in section E Water supply; sewage, waste management and remediation activities, class 37.00 Sewerage, according to the National Classification of Economic Activities – NKD 2007.

1. Relevance

1.1. Data users

- Scientists, students

1.1.1. User needs

- Scientists – for researches
- Students – for theses

1.1.2. User satisfaction

A user satisfaction survey has been conducted.

https://www.dzs.hr/Eng/international/Quality_Report/Quality_Report_Documents/Quality_Report_Satisfaction_Survey.pdf

1.2. Completeness

Data are transmitted to Eurostat in accordance with the gentlemen's agreement. The data are collected only for national and Eurostat purposes.

1.2.1. Data completeness rate

Indicator for this survey is not applicable.

2. Accuracy and reliability

2.1. Sampling error

Not applicable.

2.1.1. Sampling error indicators

Indicator for this survey is not applicable.

2.1.2. Bias due to sample selection process

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

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 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

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

2.2.8. Imputation rate

Indicator for this survey is not computed.

2.2.9. Editing rate

Indicator for this survey is not applicable.

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 data, final data) on the web site 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 the sewage network 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

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 + 6.5 months.

3.1.2. Timeliness – final results

Timeliness of final results is T + 0.

3.2. Punctuality

3.2.1. Punctuality – delivery and publication

Punctuality is 18.

4. Accessibility and clarity

Data are disseminated in printed and electronic form – release on the website of the Croatian Bureau of Statistics in the form of the First Releases and in the in PC-Axis data base.

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

4.1. News release

First Release 6.1.3. PUBLIC SEWAGE SYSTEM, 2020

4.2. Other publications

Statistics in Line, Statistical Information

4.3. On-line database

PC Axis database on the webpage of the Croatian Bureau of Statistics

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 and in the database.

5. Comparability

5.1. Asymmetry for mirror flows statistics

Not applicable.

5.2. Comparability over time

5.2.1. Length of comparable time series

Indicator for this survey is not computed.

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 the sewage network due to the implementation of the new methodology.

6. Coherence

6.1. Coherence – short-term and structural data

Indicator for this survey is not applicable.

6.2. Coherence – national accounts

Indicator for this survey is not applicable.

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 on material costs and employees' incomes.

7.2. Burden

Indicator for this survey is not computed.