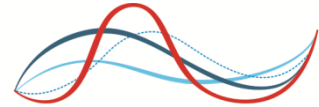REPUBLIC OF CROATIA

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 2019

Organisational unit: Environment and Energy Statistics and
Sustainable Development Indicators
Department Environment Statistics Unit
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## 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, 14/14 and 46/18)
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 $m^3$ 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.
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. In 2019, voluntary tables on regional waters were completed for the first time.

### 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, either at the reporting unit or in the processing, are verified and checked, and false information is 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 (final data) on the website 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.

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:

Time lag for 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 the printed and electronical form – by publishing them on the website of the Croatian Bureau of Statistics in the form of first releases and in the PC Axis database. A first release contains brief notes on methodology, such as source and methods of data collection, coverage and comparability, definitions etc. Metadata are also available in the database.

### 4.1.    News release

First Release No. 6.1.1. Utilisation of Waters and Protection of Waters from Pollution in Industry, 2018

### 4.2.    Other publications

Not applicable.

### 4.3.    Online database

PC Axis database – Utilisation of Waters and Protection of Waters from Pollution in Industry, www.dzs.hr

**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: 17

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**

Not applicable.