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## **QUALITY REPORT 2018**

### **Survey on use and protection of water against pollution in industry**

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## 1. Introduction – Basic information about the survey

### 1.1 Purpose, goal and subject of the survey

The purpose of the Survey on use and protection of water against pollution in industry is to provide data on the quantities of abstracted, used and wastewater in the industry.

### 1.2 Legal basis

The Law on Official Statistics and Official Statistical System ("Official Gazette of Montenegro" No 18/12) defines provisions for collection, processing, and dissemination of data. The Law provides to the Statistical Office clear and wide legal powers to collect and access the data necessary for the implementation of Programme and Annual Plan. The Law gives a priority to the use of administrative data and right of access to individual data that are a result of survey of other official statistical producers. As an annex to legal provisions, Statistical Office has signed several memoranda on cooperation with administrative data providers.

### 1.3 Statistical units

Reporting units of this survey are business entities registered in the sectors: Mining, Manufacturing, and Electricity, gas and steam supply, as well as local units from other sectors that perform industrial activity with 10 or more employees.

### 1.4 Coverage and scope of survey

#### 1.4.1 Sectors

Survey includes sectors: B Mining and quarrying; C Manufacturing; D Electricity, gas, steam and air-conditioning supply.

#### 1.4.2 Statistical population

Reporting units are all business entities which have 10 and more employees and which are classified in the sectors: Mining and quarrying, Manufacturing, Electricity, gas, steam and air-conditioning supply according to the Classification of Activities 2010.

### 1.5 Reference geographical area

Montenegro.

### 1.6 Concepts and definitions

**The watercourse** is basic hydrographic unit which is characterized by its own source, riverbed, main stream and by firth (streams, rivers, etc.).

**The catchment area** is a natural hydrogeographic unit made up of a watercourse, (lake or sea) by which it is determined, together with the tributaries that flow into it.

**Underground water** is the water resource in underground formations.

**Surface water** is all water running or stagnant at the surface of Earth. It includes springs, rivers, lakes, reservoirs, etc., as well as artificially made channels for the purposes of irrigation, waterways, and similar.

**Drinking water** must meet the appropriate quality standards.

**Technical waters** require (as a rule) a lower degree of processing than drinking water (cooling water at TE etc.).

**The used waters** are all quantities of water supplied by reporting units in the reporting year, and which were used in production activity.

**Waste water** is water treated as the waste after being used, and transported to purification plants, or drained out (underground water, surface waters). Waste water quantities do not include atmospheric or running waters (used for hydroelectric power stations).

**Purified waste water** is the quantity of waste water purified during the reporting year.

## 1.7 Classification

NACE Rev 2.

## 1.8 Frequency of data collection

Data are collected annually.

## 1.9 Frequency of data dissemination

Data dissemination frequency is annually.

## 1.10 Methodology

Not available.

## 1.12 Unit of measure

1000 m<sup>3</sup>.

## 1.13 Data source

Data are collected from business entities classified in sectors Mining and quarrying, Manufacturing, Electricity, gas, steam and air-conditioning supply according to the Classification of Activities 2010, which have 10 and more employees.

## 1.14 Method of data collection

Reporting method is used for data collection.

## 2. Relevance - data users

### 2.1 User needs

International users:

1. Eurostat;
2. World Bank;
3. UN organizations;
4. International Monetary Fund.

National users:

1. Ministries and other public administration bodies;
2. Local government and other local government bodies;
3. Central bank;
4. non-governmental organizations;
5. students;
6. researchers;
7. media.

### 2.2 User satisfaction

The Statistical Office has adopted the Quality Management Strategy, the Guidebook to the Implementation of the Quality Management Strategy, as well as the Plan for the Implementation of the Quality Policy. In order to measure the degree to which fulfills obligations towards users and within the new quality policy, the Statistical Office conducted User satisfaction survey. Data collection was carried out through a web survey, in the period from 1 September to 20 October, 2017. The results of the survey are available on the Statistical Office website, link:

<http://www.monstat.org/userfiles/file/KVALITET/lzvjestaj%20o%20zadovoljstvu%20korisnika%20eng.pdf>.

### **3. Accuracy and reliability**

#### **3.1 Accuracy – overall remark**

Survey on use and protection of water against pollution in industry includes business entities classified in sectors Mining and quarrying, Manufacturing, Electricity, gas, steam and air-conditioning supply according to the Classification of Activities 2010, which have 10 and more employees and the data are obtained by the reporting method, so they are subject to the usual types of errors - mistakes in processing and non-response. In order to prevent the occurrence of errors, appropriate actions are taken to identify and eliminate potential sources of error.

#### **3.3.2 Error of measurement**

Eventual errors of measurement are corrected based on logic-numeric controls and validation of the process.

#### **3.3.3 Non-response error**

Not available.

*Unit non-response rate*

Not available.

*Item non response rate*

Not available.

#### **3.3.4 Processing error**

Not available.

*Imputation rate*

Not available.

### **3.4 Data revision**

#### **3.4.1 Data revision policy**

Statistical Office has adopted the revision policy and it is available on the website:

<http://www.monstat.org/eng/page.php?id=1411&pageid=3>

#### **3.4.2 Data revision practice**

Not available.

#### **3.4.3 Data revision - average size**

Not available.

### **4. Timeliness and punctuality**

#### **4.1 Timeliness**

According to the Annual Plan of Official Statistics and Statistical Release Calendar, data for the Survey on use and protection of water against pollution in industry are collected each year for the previous year, and they are published at the end of each year in the Statistical Yearbook.

*Time lag of the first results*

Not available.

*Time lag of the final results*

Not available.

#### **4.2 Punctuality**

Not available.

## **5. Availability and clarity**

### **5.1 Release calendar**

The Law on Official Statistics and Official Statistical System ("Official Gazette of Montenegro" No 18/12) stipulates that official statistical producers prepare, update, and publish Statistical Release Calendar. It is published on the website of Statistical Office not later than 20 December for the next year, for all official statistical producers that includes date of releasing statistical data. Any change in date of releasing in the Calendar is published in advance in accordance with the Procedure on Unplanned Revisions.

### **5.2 Release calendar access**

<http://www.monstat.org/eng/page.php?id=1179&pageid=12>.

### **5.4 Releases**

Data obtained through Survey on use and protection of water against pollution in industry are published in the form of release on the Statistical Office website:

<https://www.monstat.org/eng/page.php?id=1038&pageid=64>.

### **5.5 Publication**

Statistical Office publishes the following regular publications:

1. Monthly Statistical Review
2. Statistical Yearbook;
3. Montenegro in Numbers;

All publication published by Statistical Office are available at the following link:

<http://monstat.org/eng/publikacije.php>.

### **5.6 Online database**

On line data base for the Survey on use and protection of water against pollution in industry is available on the following link: <http://monstat.org/eng/pxweb.php>.

### **5.7 Availability of microdata**

The Law on Official Statistics and Official Statistical System ("Official Gazette of Montenegro" No 18/12) regulates rules under which external users can obtain an access to individual data for needs of research. Article 58 defines types of scientific and research organizations that can obtain such data. Providing individual data without identifier is possible only upon a written request of scientific and research institutions, with purpose of performing scientific and research activities as well as international statistical organizations and statistical producers from other countries. Research entity signs the agreement with Statistical Office, and it signs the statement on respecting the confidentiality principle. Official statistical producers keeps a separate records on users and purpose of using the statistical data given to these users

### **5.8 Metadata completeness rate**

Not available.

## **6. Comparability**

### **6.1 Comparability - geographical**

Not available.

### **6.2 Comparability over time**

The data are completely comparable.