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**QUALITY REPORT 2016**

**Annual survey on water exploitation and protection against  
pollution from industry**

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## **1. Introduction – Basic information about the survey**

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

The main objective of this survey is to collect the data on quantities of abstracted, used, and waste water in the industry.

### **1.2 Legal basis**

The Law on Official Statistics and the Official Statistics System (*Official Gazette of Montenegro No. 18/12*) define provisions for the collection, processing and dissemination of data. The law provides the Statistical Office with a clear and broad legal authority to collect and access the data necessary for the implementation of the Program and the Annual Plan. The law gives priority to the use of administrative data, as well as the right to access individual data as a result of research by other producers of official statistics. In addition to legal provisions, the Statistical Office has signed several memorandum of cooperation with holders of administrative data.

### **1.3 Statistical units**

Reporting units of this survey are business entities registered in the sectors: B (Mining), C (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 covers following sectors: B (Mining), C (Manufacturing) and (Electricity, gas and steam supply) as well as local units from other sectors that perform industrial activities.

#### **1.4.2 Statistical population**

Not available.

### **1.5 Referent geographical area**

Montenegro.

### **1.6 Concepts and definitions**

Watercourse is a basic hydrogeographic unit characterized by its source, trough, main stream and confluence (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. According to the water source, they can be underground and superficial. Groundwater is the supply of water in underground formations.

Surface waters are all flowing or standing water on the surface of the Earth. These include springs, rivers (watercourses), lakes, reservoirs, etc., as well as artificial watercourses for irrigation, the creation of navigable canals, and the like. 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.). Under evaporated water means those quantities of water that are released into the water vapor into the atmosphere (evaporated water in lagoons and cooling towers, etc.). Water-bound products are directly incorporated into the product (sulfuric acid, pizza, juices, etc.), as well as drinking water (as final product).

Recirculation water is the water that is used several times in the production process and achieves its circular flow by moving in a semi-open or closed system. During the cycle, the said water can pass through a certain treatment (cooling, purification, etc.). Own water intake is any water abstraction by users for their final consumption. The used waters are all quantities of water supplied by the reporting units during the reporting year and used in the performance of their production activities.

Waste water is the one that is then taken to the purification apparatus or discharged into a recipes (soil, surface water) after use. No atmospheric or flowing water flowing from hydroelectric power plants is included here. Purified wastewater is the amount of wastewater that is purified during the reporting year.

## 1.7 Classifications

NACE Rev. 2

## 1.8 Frequency of data collection

Data are collected each year on the basis of available records and documentation (bookkeeping and technical documentation and other records). If for some information there is no adequate documentation and records, the reporting unit should, based on the available data, make an expert assessment.

## 1.9 Frequency of data dissemination

Data are publishing every year.

## 1.10 Methodology

Not available

## 1.11 Base period

Not available

## 1.12 Unit of measure

1000 m<sup>3</sup>

## 1.13 Source of data

Not available

## 2. Relevance – Data users

### 2.1 User needs

#### International users:

- Eurostat,
- World Bank,
- UN organizations,
- International Monetary Fund

#### National users:

- Ministries and other public administration bodies,
- Local government, and other local government bodies.
- Non-governmental organizations,
- Students,
- Researchers,
- Media.

### 2.2 User satisfaction

With purpose of determining user satisfaction with quality data and defining their needs, Statistical Office for the first time carried out the User Satisfaction Survey in 2017. The survey was done from 1 September to 20 October. The survey link was sent to users that sent request to the official email address in period 2013-2017. Additionally, the questionnaire is put on the website of Statistical Office.

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

#### **3.1 Accuracy – Overall remark**

Not available.

#### **3.2 Sampling error**

Not available.

##### *Indicators of sampling error*

Not available.

#### **3.3 Non-sampling error**

Not available.

##### *3.3.1 Coverage error*

Not available.

##### *Indicators of coverage error*

Not available.

##### *3.3.2 Error of measurement*

Not available.

##### *3.3.3 Nonresponse error*

Not available.

##### *Nonresponse rate*

Not available.

#### **3.4 Seasonal adjustment**

Not available.

#### **3.5 Data revision**

##### *3.5.1 Data revision policy*

The Statistical Office of Montenegro has adopted the audit policy and is available on the web site:  
<http://www.monstat.org/cg/page.php?id=1493&pageid=1493>.

##### *3.5.2 Data revision practice*

Not available.

##### *3.5.3 Data revision - average size*

Not available.

## 4. Timeliness and punctuality

### 4.1 Timeliness

According to Statistical Release Calendar the deadline for the publishing of Release on the industrial waste is 3<sup>rd</sup> November of current year for previous year.

*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

Data are available in the form of release published on official website:

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

### 5.2 Publication

The Statistical Office publishes the following regular publications:

1. Statistic Yearbook
2. Montenegro in figures

All publications published by the Statistical Office are available on the following link:

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

### 5.3 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

## 6. Comparability

### 6.1 Comparability - geographical

Not available.

### 6.2 Comparability - over time

Not available.