

# Public water - supply and sewerage systems

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2 Metadata update	
2.1 Date of last update	21.03.2023
3 Statistical presentation	
3.1 Data description	
<p>The data provide users with information on public water supply and sewerage systems, on the shares of the population supplied with water from public water supply systems, connected to public sewerage systems and connected to public sewerage systems with WWTPs by regions and districts. Furthermore, there are data on water consumption, ie the volume of water intended for realization, invoiced water, produced drinking water from underground and surface sources, and revenues for drinking water and for wastewater treatment. Also information about the length of water and sewerage networks without connections, the amount of waste water discharged into the public sewerage system and waste water treatment plants.</p>	
3.2 Classification system	
Nomenclature of Territorial Units for Statistics (NUTS)	
3.3 Sector coverage	
<p>Water supply and sewerage systems include water management activities related to the management and operation of water supply and sewerage systems, ie production and distribution of drinking water, drainage and cleaning of waste water.</p>	
3.4 Statistical concepts and definitions	
<p>Production of drinking water includes total amount of drinking water produced in own water management facilities under the administration of water companies and municipalities after adding an amount of drinking water taken from other water management organizations or from other water</p>	

suppliers (legal persons) and after subtracting an amount of drinking water delivered free of charge to water management organizations.

Invoiced water includes the amount of drinking water sold to direct customers.

Non-invoiced water includes losses of the water in the pipe network, own water consumption or possible free water supplies, e.g. for fire protection purposes.

Waste water treatment plants are facilities purifying sewage water, applying mechanical and biological way of purification or the so-called third stage of purification applying mechanical and biological additional purification. Waste water treatment plants do not include facilities for rough pre-purification of waste water (sand-traps, oil-traps, etc.), septic tanks, cesspools and simple facilities that are not observed and served regularly.

Proportion of population supplied with water from public water systems is the share of the population on the total population, who are supplied with water from public water systems (in management of the institutions engaged in the production and distribution of water or municipal offices) permanently living in houses connected to public water or supplied with water from the public stands.

The share of population connected to public sewerage is the proportion of persons on the total population, who permanently living in homes that are connected to the public sewerage system, regardless of entity which manage the network.

### **3.5 Statistical unit**

Municipalities, cities, water companies and other private companies that operate public water supply and public sewerage.

### **3.6 Statistical population**

Municipalities, cities, water companies and other private companies that operate public water supply and public sewerage.

### **3.7 Reference area**

Statistics on public water supply and sewerage systems are available for the SR together with selected data broken down by regions and districts. Selected data are also available for individual water management companies and municipalities.

### **3.8 Time coverage**

1996-2014 for the share of the population supplied with water from public water supply and connected to the public sewer network by the regions. Data on regions and districts as well as data on the share of inhabitants connected to the sewerage network with wastewater treatment plants are available for 2015-2020.

Water abstraction data are available for the period 1995-2020 and data on the amount of waste water discharged into public sewerage and WWTP are available for the period 1996-2020. Distribution and purification of water data are available for the period 2001-2020.

### **3.9 Base period**

Not applicable.

## 4 Unit of measure

For population shares, the unit of measure is the percentage, for population thousands of people, consumption and purification data are in mill. m<sup>3</sup>, sales figures are in thousands of Euros. Data on the length of the water supply and sewerage network are in km, the number of WWTPs is in pieces and the capacity of the WWTP is in thousands of m<sup>3</sup> per day.

## 5 Reference period

The reference period is the calendar year.

## 6 Institutional mandate

### 6.1 Legal acts and other agreements

Information on public water supply and sewerage systems is collected by WRI on the basis of Act no. 442/2002 Z.z. on public water supply and sewerage systems and on amendment to Act No. 276/2001 Coll. on Regulation in Network Industries and Decree of the Ministry of the Environment of the Slovak Republic No. 605/2005 Z.z. on details of providing data from property records and operational records on public water supply and sewerage facilities.

### 6.2 Data sharing

The adopted administrative data sources from the MoE SR (Water Research Institute) serve the needs of the national statistical system and selected data are provided at European level to Eurostat.

## 7 Confidentiality

### 7.1 Confidentiality - policy

Protection of statistical confidentiality (protection of confidential statistical data) is a system of interrelated measures in the legislative, methodological, organizational, technical, security and personnel fields, preventing the leakage of confidential statistical data or the premature publication of statistical information. Authorities performing state statistics are obliged to ensure the protection of confidential statistical data from misuse in the manner set out in § 25a and § 29 and 30 of Act No. 540/2001 Coll. on State Statistics, as amended. The principles of the application of confidential statistical data protection are available on the SO SR website at:

<https://slovak.statistics.sk/wps/portal/ext/services/infoservis/confidential>

### 7.2 Confidentiality - data treatment

Confidential statistical data are not disclosed.

## 8 Release policy

### 8.1 Release calendar

Not applicable.

### 8.2 Release calendar access

Not applicable.

### 8.3 User access

The statistical information dissemination policy is formulated in accordance with the State Statistics Act, the Statistical Office Development Strategy, the Eurostat Information Dissemination Strategy and the European Statistics Code of Practice.

The principles of publishing and providing statistical information are available on the SO SR website at:

<https://slovak.statistics.sk/wps/portal/ext/services/infoservis/principles>

## 9 Frequency of dissemination

Yearly.

## 10 Accessibility and clarity

### 10.1 News release

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### 10.2 Publications

Data on water management are published in the publication Selected indicators on Environment, which is available on the website of the SO SR

<https://slovak.statistics.sk/wps/portal/ext/themes/environment/environment/publications>

Statistical Yearbook of the Slovak Republic - contains data also for the area of water management. Selected indicators on Environment is published according to the Catalogue of publications.

The Catalogue of publications contains basic information about publications, release dates and language versions. All publications are available at the Statistical Office of the Slovak Republic.

The Catalogue of publications is available on the website of the SO SR at:

<https://slovak.statistics.sk/wps/portal/ext/products/publikacie/catalogue>

### 10.3 On-line database

SO SR databases: DATAcube and STATdat, access at:

<https://slovak.statistics.sk/wps/portal/ext/Databases>

## 10.4 Micro-data access

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## 10.5 Other

-

## 10.6 Documentation on methodology

Methodological Guideline to Decree of the Ministry of the Environment of the Slovak Republic No. 605/2005 Z.z. on details of providing data from property and operational records on objects and facilities of public water supply and public sewerage.

## 10.7 Quality documentation

SO SR internal documentation to ensure the quality of statistical outputs:

- Methodological guideline for applying mathematical-statistical methods for the statistical survey
- Methodological Instruction - Quality Indicators of Statistical Outputs and Statistical Processes
- the Code of Practice for European Statistics:

<https://slovak.statistics.sk/wps/portal/ext/aboutus/key.documents/code.of.practise>

# 11 Quality management

## 11.1 Quality assurance

The SO SR has a quality management system in place. The Quality Manual includes a description of the quality management system and the fulfillment of ISO 9001 requirements. The application of the Manual ensures that all activities that affect the quality of the products being produced are planned, managed, reviewed, evaluated and meet the requirements accepted in the order. The Quality Guide is available at:

[https://slovak.statistics.sk/wps/wcm/connect/9ca43aa4-bfaf-4101-9dae-5263aa834df7/Prirucka\\_kvality.pdf?MOD=AJPERES&CVID=mu8R9IM&CVID=mu8R9IM](https://slovak.statistics.sk/wps/wcm/connect/9ca43aa4-bfaf-4101-9dae-5263aa834df7/Prirucka_kvality.pdf?MOD=AJPERES&CVID=mu8R9IM&CVID=mu8R9IM)

The basis of the whole quality management system is the Code of Practice for European Statistics: <https://slovak.statistics.sk/wps/portal/ext/aboutus/key.documents/code.of.practise>

## 11.2 Quality assessment

The quality of water management statistics is very good.

# 12 Relevance

## 12.1 User needs

The main users of data on water management are: central government authorities, research organizations, academia, researchers and students, professional associations, etc.

## 12.2 User satisfaction

Since 2009, the Statistical Office of the SR has been conducting customer satisfaction surveys with its products and services at two-year intervals. The aim of the surveys is to get information about the interest and opinions of users on providing and quality of statistical products and services. The information obtained is a valuable source for the further activities of the SO SR. The result of the satisfaction survey in 2020 is available on the website of the SO SR at: <https://slovak.statistics.sk/wps/portal/ext/aboutus/marketing/survey.of.satisfaction>  
Satisfaction for water management statistics was not specifically measured in the survey.

## 12.3 Completeness

100%. - Data is available for all statistics required. Time series of data for individual indicators are available in the public database of the SO SR.

# 13 Accuracy and reliability

## 13.1 Overall accuracy

The overall accuracy of the statistics of public water supply and sewerage is very good, and a thorough verification of data is carried out.

## 13.2 Sampling error

Not relevant.

## 13.3 Non-sampling error

The supplied data are compared with the previous period by the processors. The processed totals for individual objects are compared with summaries for the supplier organization. In case of discrepancies, the data suppliers shall be contacted to request correction and, if necessary, to fill in the missing data. In case of non-delivery of data for a particular year, the data for the previous year are used.

# 14 Timeliness and punctuality

## 14.1 Timeliness

Publication of data in the public database of the SO SR is governed by an internal schedule. Data on water management are published within 10 months after the reference year.

## 14.2 Punctuality

Publication deadlines are met.

## 15 Coherence and comparability

### 15.1 Comparability - geographical

Not relevant. Statistics of water management are compiled for the whole territory of the Slovak Republic.

### 15.2 Comparability - over time

The published data are fully comparable.

### 15.3 Coherence - cross domain

Not relevant.

### 15.4 Coherence - internal

Data on the share of the population connected to the public water supply and public sewerage systems until 2008 come from the Statistical Survey of the Statistical Office of the SR. Since 2009 they have been taken over from the administrative sources of WRI.

## 16 Cost and burden

The SO of the SR regularly monitors the workload of reporting units. As part of the optimization of statistical surveys, it takes measures aimed at reducing their burden. The cost and workload at the level of European statistical products and its monitoring is the responsibility of the Directorate Group for Resources within Eurostat.

## 17 Data revision

### 17.1 Data revision - policy

The revision policy governs the basic rules and general procedures by which the pre-drafted data is later revised as well as applied in revisions for other reasons. The revision policy and calendar is available on the SO SR website at:

<https://slovak.statistics.sk/wps/portal/ext/products/revisions>

### 17.2 Data revision - practice

Not applicable.

## 18 Statistical processing

### 18.1 Source data

Data from property and operating systems of water management companies and from records of property and operation of public water supply and sewerage of municipal authorities.

### **18.2 Frequency of data collection**

Yearly.

### **18.3 Data collection**

Water companies send the export of data from operating systems to XML files, which are delivered for processing by WRI.

Municipalities - on-line filling in forms via internet application.

The Statistical Office of the Slovak Republic takes over data from administrative sources.

### **18.4 Data validation**

Controls of supplied data by WRI processors.

### **18.5 Data compilation**

The data collected is grouped into individual object lists and summarized by reporting agents and other data suppliers

### **18.6 Adjustment**

Data are not being adjusted.

## **19 Comment**