Environmental protection expenditures

1 Contact	
1.1 Organization	The Statistical Office of the Slovak Republic
1.2 Address	Miletičova 3, 824 67 Bratislava
1.3 Contact name	Daniela Varholová
1.4 Organization unit	Cross-sectional Statistics Department
1.5 Phone number	+421 2 50236 341; +421 2 50236 339
1.6 Email address	info@statistics.sk

2 Metadata update	
2.1 Date of last update	20.03.2023

3 Statistical presentation

3.1 Data description

The indicators monitored in environmental protection expenditures statistics are:
Environmental protection investments (in Eur) – of which covered by state budget or by foreign investors
Environmental protection expenditures (in Eur) – in which salaries and others and further charges and payment to public companies and payment to private persons and companies
Income of environmental protection (in EUR) – of which sales of products, instruments and environmental components or provided environmental protection services
Data are reported in breakdown by environmental protection areas (protection and remediation of soil, groundwater and surface water; protection of ambient air and climate; waste management; wastewater management; noise and vibration abatement; protection of biodiversity and landscapes; protection against radiation; research and development; Others).
Data on environmental protection expenditures are collected separately for municipalities (statistical survey ŽP 6-01 Module 528) and enterprises (Roč 1-01 Module 527).

3.2 Classification system

Classification of Environmental Protection Activities 2000 (CEPA 2000)

3.3 Sector coverage

Protection of the environment (according to Act No. 17/1992 Coll.) represents activities to prevent pollution or damage to the environment or to reduce or eliminate such pollution or damage. It includes the protection of its individual components or specific ecosystems and their interconnections, but also the protection of the environment as a whole.

Statistics for the environmental protection expenditures of enterprises cover all economic sectors of the Slovak economy. Statistics on environmental protection of municipalities cover municipalities and cities in the Slovak Republic.

3.4 Statistical concepts and definitions

Environmental investments - purchase of long-term environmental protection assets is spent on the procurement of tangible and intangible fixed assets (all forms of procurement) for the protection of the environment (soil and groundwater protection, air protection, waste management, wastewater management, noise and vibration reduction, biodiversity and landscape protection, radiation protection, research and development, etc.) by way of purchase or self-management, including technical evaluation.
Environmental protection expenditures are costs that the reporting entity pays in connection with environmental protection, including fees to the recycling fund. This includes fees and payments to state authorities and organizations and payments to private individuals and organizations. These costs do not include fines and penalties.
Incomes from environmental protection are incomes from selling by-products, equipment, components, technologies for environmental protection and from provision of environmental protection services (mainly related to waste and wastewater management).

3.5 Statistical unit

The monitored statistical units as well as the observation units are municipalities (questionnaire ŽP 6-01) and enterprises with over 20 employees (questionnaire Roč 1-01).

3.6 Statistical population

Statistical surveys are addressed to reporting units: all municipalities in the territory of the Slovak Republic and enterprises registered in the Commercial Register and kept in the Register of Organizations of the SO SR with the number of employees 20 and more and organizations with the number of employees 0 to 19 with annual turnover of EUR 5 million and more.

3.7 Reference area

Statistics on environmental protection expenditures are available for the SR together.

3.8 Time coverage

Table environmental expenditures (zp2010rs) 1999-2018; environmental costs and revenues (table zp1006rs) are available for 2005-2018 and environmental protection expenditures by economic activity (table zp2009rs) are available for 2009-2018.

3.9 Base period

Not applicable.

4 Unit of measure

The data are presented in tables in thousands EUR.

5 Reference period

The reference period is the calendar year.

6 Institutional mandate

6.1 Legal acts and other agreements

Information on environmental protection expenditures is collected by the Statistical Office of the SR in surveys ŽP 6-01 and Roč 1-01 included in the Program of State Statistical Surveys, issued for a three-year period in the Collection of Laws of the SR. The reporting obligation to submit data results from Act No. 540/2001 Coll. on State Statistics, as amended (Section 18 (3)) and cannot be refused (Section 18 (8)). The Statistical Office of the Slovak Republic is responsible for the protection of confidential data obtained and guarantees its use solely for statistical purposes.

6.2 Data sharing

The data serve the needs of the national statistical system. Outputs from processed data are not directly reported at European level.

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. In order to protect confidential statistical data in tables with aggregated data, the rule of minimum frequency for n = 3 and dominance of 90% is applied. In the publications and databases of the Statistical Office of the Slovak Republic, the symbol "D" is placed in the respective places instead of the data. Only research entities for scientific purposes may have access to confidential data, see paragraph 10.4 of this report for details.

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

-

10.2 Publications

Data on environmental protection expenditures are published in the publication Environment in the Slovak Republic, which is available on the website of the SO SR
https://slovak.statistics.sk/wps/portal/ext/themes/environment/environment/publications
The Environment in the Slovak Republic is published according to the Catalogue of publications. The Catalogue of publications contains basic information about publications, release dates and language versions.
Statistical Yearbook of the Slovak Republic - contains selected indicators for environmental protection expenditures.
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

Micro data is not published. Research entities may only have access to anonymised micro data for scientific purposes:
- universities and other higher education organizations

- organizations or institutions of scientific research.
The conditions for granting access to confidential statistical data for scientific purposes can be found on the SO SR website at:
https://slovak.statistics.sk/wps/portal/ext/services/infoservis/access

10.5 Other

The portal of the Ministry of the Environment of the Slovak Republic Enviroportal also presents the environmental protection expenditures in the section key indicators - economic instruments.

10.6 Documentation on methodology

Methodological information on statistics on environmental protection expenditures is provided in the methodological explanatory notes of the survey forms ŽP 6-01 and Roč 1-01, in publications and tables in the public database of the Statistical Office of the SR.

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
- 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
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 environmental protection expenditures statistics is at a good level.
The process of data collection and output generation is ensured within an integrated statistical information system, which incorporates controls for data collection ensuring the quality of output information.

12 Relevance

12.1 User needs

The main users of data on environmental protection expenditures 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 2017 is available on the website of the SO SR at: https://slovak.statistics.sk/wps/portal/ext/aboutus/marketing/survey.of.satisfaction
It was not measured specifically for statistics on environmental protection expenditures, only for the whole area of environment and agriculture.

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 environmental protection expenditures statistics is very good. The SO SR makes great efforts to prevent errors in data and performs rigorous data verification to detect errors.

13.2 Sampling error

Not applicable. Surveys ŽP 6-01 and Roč 1-01 are exhaustive, not selective.

13.3 Non-sampling error

To avoid non-sampling errors, i.e. errors in the process of collection and processing, The Statistical Office of the Slovak Republic has integrated in the integrated statistical information system (ISIS) logical and data checks at the level of micro-data and at the level of aggregated data, which are performed during data collection and processing.
The electronic questionnaire itself provides many arithmetic and logical checks between variables, which we distinguish between serious and informative. If there are serious errors in the form, it is not accepted and, after consultation with the reporting agent, it will be corrected so that it is correct and entered into processing. With these tools we try to minimize errors in the actual collection and subsequently during the data processing.

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 environmental protection expenditures 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 environmental protection expenditures 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

There are no deviations, statistical outputs are internally consistent.

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.
Definitive data are published for environmental protection expenditures statistics.

18 Statistical processing

18.1 Source data

The statistics of environmental protection expenditures are compiled on the basis of the statistical surveys ŽP 6-01 module 528 for municipalities and Roč 1-01 module 527 for enterprises over 20 employees.

18.2 Frequency of data collection

Yearly.

18.3 Data collection

Electronic data collection enabling reporting units to fill in statistical forms online in the integrated statistical information system of the SO SR.
Since 1 January 2016, reporting units (legal entities, natural persons - entrepreneurs) have been obliged to submit statistical reports electronically in accordance with the amendment to Act no. 540/2001 Coll. on State Statistics as amended by Act No. 326/2014 Coll., Which contains new rules for the submission of statistical reports.

18.4 Data validation

Data checks are embedded in the integrated statistical information system of the SO SR. When collecting data, the following checks are distinguished:
1- formal checks carried out automatically in the data collection process
2- informal checks to check the complexity and relationships between variables.
In terms of severity of errors, a distinction is made between:
I - Infomatic errors - provide additional information that is necessary for the process of data checking and correction. They provide information on possible exceedances of the set limits, partial non-response, etc.
Z - serious errors - refer to specific errors that must be corrected or justified by the reporting agent. These errors are consulted with the reporting unit and corrected by employees of the SO SR.

18.5 Data compilation

The source data collected from the surveys referred to in point 18.1 shall be aggregated according to each classification.

18.6 Adjustment

Data are not being adjusted. The published data on environmental protection expenditures statistics are aggregated data reported by reporting agents.

19 Comment