

Statistics on current expenditures on environment protection and ecological payments

Metadata

National Bureau of Statistics of the Republic of Moldova (NBS)

1. Contact Information

1.1. Responsible subdivision within NBS

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2. Metadata Update

2.1. Last certification of metadata

03.02.2022

2.2. Last update of metadata

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3. Statistical Presentation

3.1. General description

Emissions/discharges of polluting substances into the environment - air, water, soil, present an increased risk to the environment and human health. The transformations that are taking place globally in terms of environmental quality require finding solutions to ensure the maintenance of the ecological balance, in the conditions of sustainable development, minimizing the impact and protecting health.

Expenditures for environmental protection represent the economic measure of the response given by society to address the problems generated by the state of the environment at a certain stage.

Data on current expenditures for environment protection and ecological payments submitted by economic entities provide the possibility to correlate and structure information by type of economic activity of the reporting entity, form of ownership, at country level and territorial profile, being an important source of information needed for assessment the degree of environmental protection, the elaboration of environment policies, the monitoring and evaluation of their implementation.

The survey of economic entities on current expenditures for environmental protection and ecological payments is exhaustive and includes all entities that:

- have stationary sources of air pollution and take measures to protect it,
- have local wastewater treatment plants,
- carries out the use, burial, neutralization of waste,
- carry out other activities for the protection of the environment,

which carries out economic activity accompanied by the discharge of pollutants and makes expenditures for environmental protection, as well as payments for the negative impact on the

environment.

Area of environment protection expenditures and ecological payments of economic entities includes information on:

- current expenditure and capital repair of fixed assets for:
 - atmospheric air protection and prevention of climate change,
 - wastewater collection and treatment,
 - waste management,
 - soil protection and rehabilitation,
 - protection and rehabilitation of groundwater and surface water,
 - conservation of biodiversity and natural areas,
 - other areas,
 - remuneration of staff involved in environmental protection activities.
- payments for discharges within the permissible limits and which exceed the emission norms of pollutants:
 - in atmospheric air,
 - in water bodies,

as well as for waste management.

The source of information for completing the report on current expenditures for environmental protection and ecological payments are the primary evidence data of actual current expenditures for environmental protection and payments for the negative impact on the environment carried out by the economic entity.

3.2. Concepts and definitions

3.2.1. Definitions

Environmental protection expenditures are the expenditures of the economic entity for the purchase of materials and services, remuneration of employees, rent payments, use of energy and other material goods, the main purpose of which is to prevent, reduce, treat or eliminate pollution or any other degradation of the environmental factors resulting from the economic activity of the enterprise.

The current expenditures for environmental protection refer to the allocation of funds for:

- maintenance and operation of fixed assets, intended for environmental protection: procurement of specialized equipment for environmental protection, raw materials, materials, fuel and electricity, used in the process of exploitation of fixed assets; expenditures on the current repair of fixed assets and the maintenance of staff serving these assets (remuneration for work),
- collection, storage/burial and use/neutralization, destruction of waste,
- organizing and carrying out the control at the enterprise regarding the negative influence of the economic activity on the environment and the local monitoring of the environment, the management of the environmental protection activity at the enterprise,
- educational activities, information provision in the field of environmental protection,
- other measures taken to reduce the negative impact on the environment.

Current internal expenditures include all current expenditures on environmental protection incurred by the economic entity, with the exception of procurement of environmental protection services from external organizations.

Current external expenditures include fees, charges and similar payments paid by the reporting economic entity to other organizations for the provision of environmental services.

The payment for the negative impact on the environment represents the funds paid in accordance with the legislation in force for discharges within the permissible limits and exceed the emission norms discharges of pollutants and landfill of waste, as well as fines for violating environmental protection

legislation.

Fixed assets - are a part of the production funds owned by the economic entity, held for the purpose of obtaining income, which participates in the process of production or provision of services for a long time, maintaining its natural form, and their cost is transferred to production gradually, as their use. Fixed means for environmental protection refer to buildings, constructions, machines and equipment, transport intended for environmental protection.

3.2.2. Unit of measure

The data are expressed in lei.

3.2.3. Computation formula

In the absence of primary evidence at the economic agent, it is admissible to complete the form based on the calculations (estimates).

3.3. Used classifications

- 1. Classifier of Economic Activities:** the survey results are classified according to the Classification of Economic Activities of Moldova, Rev.2 (CAEM Rev.2), harmonized with NACE ver.2, approved by the Decision of the College of the National Bureau of Statistics no. 20 from 29.12.2009. In force from 01.01.2014.
- 2. Classifier of Administrative-Territorial Units:** (CUATM - Clasificatorul unităților administrativ-teritoriale al Republicii Moldova in Romanian), approved via the Moldova-Standard Decision No. 1398-ST dated 03.09.2003; in force since 03.09.2003.
- 3. Classifier of Ownership Forms:** (CFP - Clasificatorul formelor de proprietate din Republica Moldova, in Romanian): approved by the Decision of the Standards, Metrology, and Technical Supervision Department No. 276-st dated 04.02.1997;
- 4. Classifier of Organizational-Legal Forms** (CFOJ – Clasificatorul formelor organizatorico-juridice din Republica Moldova in Romanian), approved via the Moldova-Standard Decision No. 1607-ST dated 09.11.2004, in force since 01.01.2005.

3.4. Scope

3.4.1. Sector coverage

All economic entities that carry out activity accompanied by the discharge of pollutants and make expenditures for environmental protection, as well as payments for the negative impact on the environment.

3.4.2. Statistical population

Economic entities.

3.4.3. Geographical coverage

Data are collected for the entire country, except for the localities from the left side of the River Nistru and Bender municipality.

3.4.4. Time coverage

Time series are available starting with 2018.

3.5. Disaggregation level

The final data on current expenditures for environmental protection and overhaul of fixed assets of economic entities are elaborated and presented:

- in territorial profile:
 - total by country,
 - economic development regions (Chisinau, North, Center, South, ATU Gagauzia),
 - rayons,
- types of economic activity,
- forms of ownership,
- on the main fields:
 - protection of the atmospheric air and prevention of climate change,
 - wastewater collection and treatment,

- waste management,
- soil protection and rehabilitation,
- protection and rehabilitation of groundwater and surface water,
- conservation of biodiversity and natural areas,
- other areas,
- remuneration of staff involved in environmental protection activities.

Data on ecological payments for the negative environmental impact of economic entities are compiled and presented:

- in territorial profile:
 - total by country,
 - economic development regions (Chisinau, North, Center, South, ATU Gagauzia),
 - rayons,
 - by types of economic activity,
 - by forms of ownership,
 - on discharges within the permissible and super-normal limits of pollutants:
 - in atmospheric air,
 - in water bodies,
- as well as for waste management.

3.6. Dissemination frequency

Annually.

3.7. Timeliness

Annual – April 20 after the reporting year.

3.8. Revision

Data are final.

3.9. Period of reference

The period of reference is the calendar year (from January 01 until December 31).

4. Data Collection and Processing

4.1. Data source

4.1.1. Statistical surveys

Statistical survey “Current expenditures for environmental protection and ecological payments” - statistical questionnaire no. 1-cheltuieii.

4.1.2. Administrative sources

Not used.

4.1.3. Estimations

Not applicable.

4.2. Characteristics of the statistical survey/administrative sources

4.2.1. Objective and background

Survey “Current expenditures for environmental protection and ecological payments” (form no. 1-expenditures) follows:

- to highlight the financial flows that correspond to the execution of specific environmental protection activities, activities that aim at preventing, reducing or combating the damages caused to the environment;
- to provide the necessary information to measure the efforts made, over a period of time, for the protection of the environment at the level of the economic entity;
- to allow the highlighting of environmental protection expenditures on environmental factors and specific

<p>environmental protection activities;</p> <p>- to provide information for the most complete characterization of the producers of environmental protection services.</p> <p>The practical organization and management of the statistical survey is carried out by the National Bureau of Statistics through the territorial divisions/sections of statistics.</p>
<p>4.2.2. Statistical unit</p>
<p>The observation unit is the economic entity, as a result of whose activity pollutants are discharged and environmental protection expenditures are made, as well as payments for the negative impact on the environment.</p>
<p>4.2.3. Circle of units covered in the survey</p>
<p>The general group of units, which entered within the statistical survey, consists of exhaustive surveyed units.</p> <p>Number of units included in the survey in 2021 - 2605.</p>
<p>4.2.4. Survey frequency</p>
<p>Annual.</p>
<p>4.2.5. Data collection</p>
<p>The data collection is done by completing by the economic entities included in the survey the statistical questionnaire "Current expenditures for environmental protection and ecological payments" (f.nr.1-expenditures) and the presentation of completed statistical questionnaires to the territorial statistical bodies.</p>
<p>4.3. Processing and compilation of data</p>
<p>4.3.1. Data validation</p>
<p>The data are verified and analyzed for their quality, in particular internal coherence, temporal and other data.</p>
<p>4.3.2. Compilation/extrapolation of data</p>
<p>The data are compiled based on the centralization of the information obtained in the survey.</p>
<p>4.3.3. Adjustments</p>
<p>No adjustments are made.</p>
<p>4.3.4. Quality assurance</p>
<p>The quality of statistical data is assured by observing the Fundamental Principles of Official Statistics adopted by the UN General Assembly on 29 January 2014, as well as those set forth in the national Law on Official Statistics no. 93 of 26 May 2017.</p> <p>In activity of producing information pay huge importance to ensuring high quality of data. In this scope, a number of measures for quality assurance are carried out at every stage of the statistical process: organization of surveys, data collection, processing, and elaboration of generalized information.</p> <p>Errors, inconsistencies, and suspicious data are revealed for verification and correction.</p> <p>The primary data are verified and analyzed from internal coherence point of view (within the questionnaire), temporal coherence (with data from previous periods), with data of administrative data sources.</p>
<p>4.4. Data accuracy</p>
<p>4.4.1. Non-response rate</p>
<p>Usually, the rate of non-response is insignificant and does not influence the outcome of the survey as a whole.</p>
<p>4.4.2. Sampling errors</p>
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5. Comparability and Coherence

5.1. International comparability

Information on current expenditures on environmental protection and ecological payments is prepared in accordance with relevant international standards.

5.2. Comparability over the time

Starting with 2018, the reports are prepared according to the statistical form 1-expenditures "Current expenditures for environmental protection and ecological payments".

5.3. Coherence with other statistics

It was not done.

6. Institutional Mandate (normative-legal basis)

The NBS activity is based on respecting the Republic of Moldova Constitution, the Law on Official Statistics No. 93 dated 26.05.2017, other legislative and normative acts, NBS management decisions and orders.

The Law on Official Statistics regulates the organization and operation of the unique system of official statistics, establishing the general principles for collecting, processing, centralizing, diminishing, and stocking statistical information (art.1).

Art. 5 of the Law provides that the production of statistical information is based on respecting the following principles: impartiality, objectiveness, relevance, transparency, confidentiality, cost-efficiency etc.

Being the central statistical body, the National Bureau of Statistics is an administrative authority created under the Government for leading and coordinating the activity in the statistics area.

In accordance with Government Decision 935 of 24.09.2018 on the organization and operation of the NBS, the Bureau exercises the following tasks:

- 1) Coordinates the national statistical system on the development and production of official statistics;
- 2) Elaborates and implements strategies for the development of the national statistical system, annual and multiannual statistical programs;
- 3) Elaborates the normative and institutional framework necessary for the achievement of the strategic objectives in its field of activity, as well as the mechanisms for their implementation in practice;
- 4) Performs the management and control of the achievement in quality conditions of the programs and statistical plans adopted at central and regional level;
- 5) Harmonizes and aligns national statistical indicators, methodologies, methods and techniques with international regulations and standards;
- 6) Promotes the statistical culture in the society.

The legislative and normative acts ruling the activity of the NBS are available on its official page www.statistica.gov.md, under About NBS (<http://www.statistica.gov.md/pageview.php?l=en&idc=323&>)

7. Confidentiality

7.1. Principles

According to art. 19 of the Law on Official Statistics No. 93 dated 26.05.2017, producers of official statistics shall take all regulatory, administrative, technical and organizational measures to protect confidential data and prevent their disclosure.

Chapter VII of the above-mentioned law stipulates that the data collected, processed and stored for the production of statistical information are confidential if they allow the direct or indirect identification of the respondents.) The following shall not be considered confidential:

- a) data that can be obtained from publicly accessible sources according to the legislation;
- b) individual data on address, telephone, name, type of activity, number of employees of legal entities and individual entrepreneurs;
- c) data referring to public enterprises, institutions and organizations funded from the budget,

submitted at the request of the public administration authorities.

According to the Law on Official Statistics, art. 20, access to confidential information is granted to the persons who, according to their official functions, participate in the production of statistical information shall have access to individual data in so far as individual data are necessary for producing this information.

The same article stipulates that the access to individual data, which do not allow the direct identification of respondents, may be given for scientific survey projects, whose expected results do not refer to identifiable individual units, under the regulation approved by the central statistical authority.

Art. 23 (5) of the Law stipulates that the the statistical information cannot be disseminated to users if it refers to 1-3 statistical units.

7.2. Practical assurance of the confidentiality rules

To ensure the protection of confidential statistical data in compliance with the Law on Official Statistics No. 93 dated 26.05.2017, the National Bureau of Statistics undertakes all the regulatory, administrative, technical, and organizational measures to protect the confidential statistical information and prevent its disclosure.

In compliance with the above-mentioned law, the employees of producers of official statistics, including temporary employees who, according to their official functions, have direct access to individual data shall be obliged to observe the confidentiality of these data during and after termination of employment.

Before being disseminated, the statistical data are verified if they meet the protection requirements set for confidential data. If the statistical data contain confidential information (see p. 7.1), they are not disseminated, but aggregated at the minimum available level which ensures the protection of data confidentiality.

8. Access to Information and Dissemination Format

8.1. Access to information

8.1.1. Calendar of statistical publications

Annually the Advance release calendar is developed by NBS.

8.1.2. Access to the calendar of statistical publications

The Advance release calendar is posted on the NBS official page www.statistica.gov.md.

8.1.3. Access to statistical data

According to the Law on Official Statistics No. 93 dated 26.05.2017, art. 23:

- a) Producers of official statistics shall be obliged to disseminate the statistical information within the deadlines specified in the programme of statistical works and in the press-release calendar.
- b) The dissemination of statistical information laid down in the programme of statistical works to all categories of users shall be made free of charge and under equal access conditions in terms of volume, quality and time of dissemination

The Program of statistical work may be accessed on the web page www.statistica.gov.md, under About NBS / legislative and normative acts (<http://www.statistica.gov.md/pageview.php?l=en&idc=323&>)

The NBS web page www.statistica.gov.md represents the most important information source for ensuring users' access to different statistical information and transparency about the NBS activity.

All information, time series, as well as the statistical publications developed by NBS are placed on its official web page.

8.2. Dissemination format

8.2.1. Operative information / Analytical notes

Not applicable.

8.2.2. Publications

Publications developed by NBS containing statistical data on environment:

- Statistical Yearbook of the Republic of Moldova;

- The publication "Natural resources and the environment in the Republic of Moldova".

Access to publications:

- in electronic format, on the official website of NBS www.statistica.gov.md, rubric Products and Services / Publications
<http://www.statistica.gov.md/pageview.php?l=en&idc=350&nod=1&>
- on paper - in the NBS library (more details at
<http://www.statistica.gov.md/libview.php?l=en&idc=340&id=2400>
- or can be purchased at the NBS office (more details at www.statistica.gov.md, Publications section
<http://www.statistica.gov.md/pageview.php?l=en&idc=350&id=2219>

8.2.3. Databases/time series

- **Statistical databank** <http://statbank.statistica.gov.md>, domain Environment / Atmospheric air protection or Waste
- **NBS official page:** <http://www.statistica.gov.md> in the domain: *Products and Services / Publications / Environment*

8.2.4. Questionnaires/data sent upon request from international organizations

Not transmitted.

8.2.5. Requests for additional data

The NBS also provides additional statistical information to those available in the statistical publications placed on the official web site within the limits of the available information, in accordance with the Law on official statistics. The request can be sent personally to the NBS headquarters by post, e-mail moldstat@statistica.gov.md or online - www.statistica.gov.md rubric Products and Services / Statistical data request http://www.statistica.gov.md/solicitare_informatii_statistice.php?l=en

9. Useful References (links)

9.1. Accessibility of documentation on methodology

The methodology is available on the official page www.statistica.gov.md, under Metadata
<http://www.statistica.gov.md/pageview.php?l=en&idc=430&>.

9.2. Accessibility of documentation on Evaluation Reports

The NBS assessment reports are available on the official page www.statistica.gov.md, rubric About NBS / Assessments and Opinions on NBS / Assessment Reports
(<http://www.statistica.gov.md/pageview.php?l=en&idc=399&id=2739>).

9.3. Accessibility of information on user surveys

User opinion surveys are available on the official page www.statistica.gov.md, rubric About NBS/Assessments and Opinions on NBS/User Surveys
(<http://www.statistica.gov.md/pageview.php?l=en&idc=399&id=2740>).

9.4. Other useful references

- <http://www.unece.org/env/lrtap/welcome.html>
- <http://www.emep.int>
- <http://www.ipcc-nggip.iges.or.jp/public/gl/invs4.htm>
- <http://unstats.un.org/unsd/environment/>
- www.un.org/esa/sustdev/natlinfo/indicators/isd.htm
- <http://europa.eu>