



SLOVAK ENVIRONMENT
AGENCY

STATE OF THE ENVIRONMENT REPORT IN SLOVAKIA

Slovak Environment Agency
Dorota Hericová

www.sazp.sk

STATE OF THE ENVIRONMENT REPORT

The main goal of the State of the Environment Report is to publish relevant and reliable information on the state and trends in the environment in the Slovak Republic, to contribute to a broad discussion aimed at improving, ensuring and maintaining a good state of the environment.

The objective of the assessment of the state of environment in the form of the SOE report is to provide:

- Information on the state of the environment in the SR,
- information on causes and consequences of this condition,
- information on pressures exerted on the environment by various human activities, but also natural processes
- information on measures and tools of the environmental policy the objectives of which is to keep the environment in the best possible quality for future generations.

SOER in SR

- has been processed continuously since 1992 at annual intervals
- it is available online as well as in a printed version, english version available online every 4 years
- the structure has changed over the years to adapt to current requirements



<https://www.enviroportal.sk/spravy/kat21>
<https://www.enviroportal.sk/spravy/soer>

Role of the MoE SR in the SOER processing

- responsibility for publishing the SOER as official source of environmental information in the Slovak Republic
- responsibility for approving the content of the SOER (MoE SR must take into account the framework requirements of the act)
- coordinating the interdepartmental cooperation
- coordinating the process of commenting the draft of the SOER
- responsibility for approving the final draft report
- contact point for communication with media

Ministry of Environment (MoE) shall publish the report by 15 December of the following year.

The cooperating organizations shall provide the materials by 31 August of the following year.

Role of SEA in the SOER processing

- responsibility for elaborating the proposal of the structure and scope of the SOER (SEA must take into account the framework requirements of the act)
- responsibility for developing and maintaining the timetable for the preparation of the SOER
- responsibility for processing requests to relevant bodies to provide data, information, and other materials
- responsibility for necessary communication with relevant institutions
- responsibility for elaborating the draft of the SOER
- coordinating the consultation process on draft of the SOER
- responsibility for elaborating the final version of the SOER for approval
- responsibility for printing and distributing the final SOER, making available on the Internet
- responsibility for activities related to public awareness – relevant articles, press release...

SEA is responsible for preparing the draft of the report for MoE SR.

AN OVERVIEW OF THE MINISTRIES AND ORGANIZATIONS WE MOSTLY COOPERATE WITH:

- **Ministry of Environment** of the Slovak Republic (MoE SR),
- **Ministry of Agriculture** and Rural Development of the Slovak Republic (MoARD SR),
- **Ministry of Economy** of the Slovak Republic (MoEc SR),
- **Ministry of Transport** and Construction of the Slovak Republic (MoTC SR),
- **Ministry of Health** of the Slovak Republic (MoH SR),
- **Ministry of Education**, Science, Research and Sport of the Slovak Republic (MoESRS SR),
- **Ministry of Interior** of the Slovak Republic (MoI SR)

- Statistical Office of the Slovak Republic (SO SR)
- Slovak Hydrometeorological Institute (SHMI)
- State Nature Conservancy of the SR (SNC SR)
- National Forest Centre (NFC)
- State Geological Institute of Dionýz Štúr (SGIDS)
- Water Research Institute (WRI)
- Public Health Authority of the Slovak Republic (PHA SR)
- Slovak Inspectorate of the Environment (SIE)
- Central Control and Testing Institute in Agriculture (CCTIA)
- National Agricultural and Food Centre–Soil Science and Conservation Research Institute (NPPC-SSCRI)
- Monuments Board of the Slovak Republic (MB SR)
- Geodesy, Cartography and Cadastre Authority of the Slovak Republic (GCCA SR)
- Main Mining Office (MMO)
- Nuclear Regulatory Authority of the Slovak Republic (NRA SR)
- Slovak Electricity Transmission System (SEPS)
- Transport Research Institute (TRI)
- National Agricultural and Food Centre – Plant Production Research Institute (NPPC – PPRI)

LEGISLATIVE FRAMEWORK

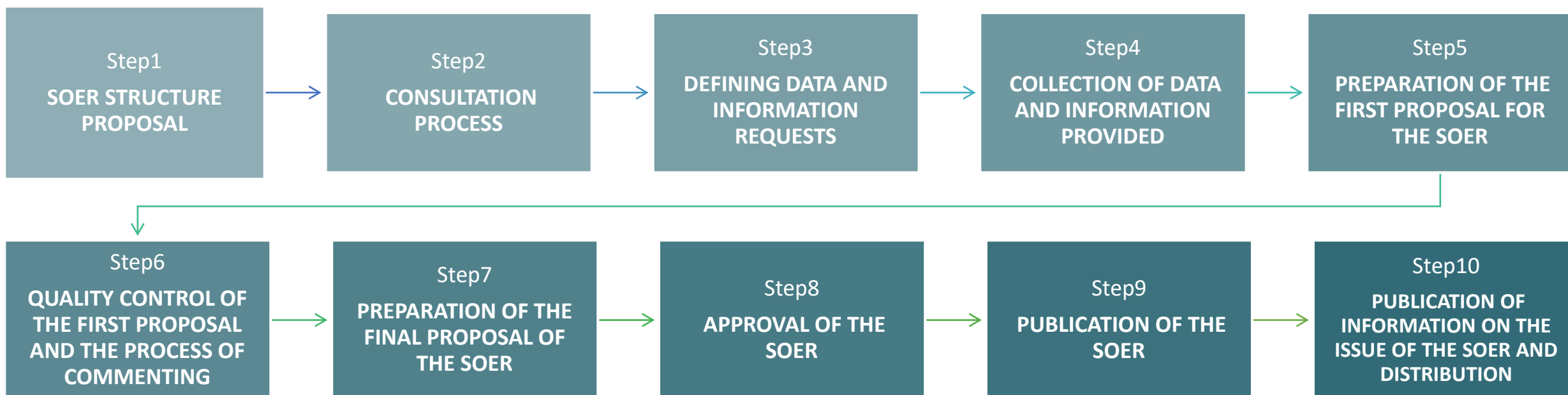
International level

- Convention on Access to Information, Public Participation in Decision-Making and Access to Justice in Environmental Matters (**Aarhus Convention, 1998**)
- Directive 2003/4 / EC of the European Parliament and of the Council **on public access to environmental information**

National level

- The **Constitution** of the Slovak Republic
Art. 45 Everyone has the right to timely and complete information about the state of the environment and the causes and consequences of that state
- Act no. 17/1992 Coll. **on the environment**
- Act no. 205/2004 Coll. **on the collection, storage and dissemination of environmental information**

PROCESS OF THE PREPARATION OF THE REPORT



AUTHOR TEAM OF EXPERTS

The Ministry of Environment of the Slovak Republic has delegated the preparation of the SOE report to the Slovak Environment Agency(SEA).

- The assessment of the state of environment is ensured by staff at the SEA through a team of 9 experts in the Department of Information Support for Environmental Policy / Unit of Environmental Analyses and Assessment
- In addition to drawing up the draft of the SOE report, this team ensures annually environmental indicator assessment, some other types of evaluation reports according to the approved Publication Plan.
- Drawing up of the report on the environmental protection is coordinated by the project manager and the individual chapters are ensured by experts



STRUCTURE (SINCE 2019)

State of the Environment Report 2020

- **The new structure** of the report - copies the structure of the environmental policy strategy
- **The new goal** - tool for the evaluation of implementation Greener Slovakia - Strategy of the Environmental Policy of the Slovak Republic until 2030 (Envirostrategy2030)



PRINCIPLES OF THE CREATION OF CHAPTERS

- evaluations designed in a user-friendly form (present the topic in the most understandable form, use graphic elements for easier understanding)
- the assessment is clear and uses the most up-to-date information
- the assessment is targeted and concrete - status, development, achievement of goals, direction towards goals

CHAPTER STRUCTURE

At the beginning of the SOE report there is a **summary evaluation** that assesses the trend, status and direction towards the fulfillment of the goals of the environmental strategy using emoticons

Assessment of trends in individual indicators

Icon	Assessment explanation
	Positive trend , improvements prevail.
	Variable trend , ambiguous, without significant changes in either positive or negative directions.
	Unfavourable trend , deteriorations prevail.

Assessment of the status of individual indicators

Icon	Assessment explanation
	Satisfactory status . Limit values and targets are being met with only minimal deviations.
	A status that cannot be unambiguously assigned as satisfactory or unsatisfactory . This may mean, for example, that there are no targets or limits for its assessment, respectively its assessment is not unambiguous.
	Unsatisfactory status . Limit values are usually exceeded, set targets are not being met, or there is a threat to the fulfilment of targets set for future periods.

Key questions and Key findings - defining and describing, in a understandable and brief form, essential information concerning the individual elements.

Key questions are designed so that they are directed at findings how the SR succeeds in fulfilling targets defined in Envirostrategy2030 or capture and describe the development of substantial factors for which no targets are defined.

Detailed assessment briefly describes the status and trend of selected indicators of components, areas or activities affecting the environment. It is supplemented by graphs, maps, tables and possibly an international comparison.

TRANSITION TO A GREEN AND CIRCULAR ECONOMY

ENERGY SUSTAINABILITY

Electricity generation has a building trend in a long-term comparison between 1999 and 2023. A 48.8% increase in electricity generation was recorded, while there were decreases in electricity generation in a medium-term comparison between 2016 and 2023 (3.6%) and in a year-on-year comparison between 2022 and 2023 (3.4%). In 2023, 64.2% of electricity was generated in the SR. The SR already has a transition rate of electricity sources, which is the share of state electricity generated from renewable energy sources (RES) in electricity generation. In a medium-term comparison between 2016 and 2023, the share of electricity generated from RES increased by 14.4%.

Chart egr 1 Electricity generation by source (2023)

Source	Share (%)
Renewable energy sources	64.2%
Coal	14.4%
Gas	17.7%
Nuclear	4.1%
Hydro	8.6%

Chart egr 1 Trend in the share of energy from renewables (to the national target) in 2023

COMPOONENTS OF THE ENVIRONMENT AND THEIR PROTECTION

REVIEW OF WATER RESOURCES

Water balance

The annual inflow into the SR was 3,790 million m³ in 2023. 2,136 million m³ less than in 2022. Outflow from the territory of the SR was 2,226 million m³ in 2023, compared to the preceding year by 8,700 million m³, while the decrease in the outflow from the SR was a 20% increase compared to 1 January 2023, or 63% of the exploitable volume.

Table oeg 1 Overall water balance of water resources

	1999	2023
Hydrological balance		
Precipitation	41,127	37,300
Annual inflow to the SR	36,476	27,000
Annual outflow from Slovak territory	29,905	32,529
Annual outflow from Slovak territory	12,842	12,842
Water management balance		
Total abstraction in the SR	1,358.80	1,172
Expenditure from reservoirs	40.80	60.00
Defence into surface water	1,303.30	1,112.00
Impact of reservoirs	1,443.9	1,232.0
Accumulation		
Total reserves in reservoirs as of 1 January of the following year	5,673	7,570
% of storage volume in accumulation reservoirs	69	65
% of total abstraction from the outflow from Slovak territory	11.4	9.1

SURFACE WATER

Precipitation and runoff conditions

Total precipitation in the SR exceeded 670 mm in 2023, or 80% of the normal, and the year was assessed as dry in terms of precipitation. The annual outflow quantity reaches the average in the SR. The values for the years between 2016 and 2023 are compared to 1 January 2023, or 63% of the exploitable volume.

Map oeg 1 Average AQI values (µg/m³/hr) for a five-year period (2018-2023) for the protection of vegetation

Map oeg 1 Average AQI values (µg/m³/hr) for a five-year period (2018-2023) for the protection of vegetation

OTHER ENVIRONMENTAL ASSESSMENT PUBLICATIONS

Sector Indicator Reports on impacts of the sectors of economy on the state of environment

A specific product of reports on the environment of the SR is the so-called "sector reports" or reports on the rate of implementation of environmental measures in selected sectors of the economic activity.

Environment of the Slovak Republic in 2019 - Key data and information

It is intended for the professional as well as the general public, it supports access to key data and information about the environment of the Slovak Republic in a user-friendly form. It presents basic information using infographics, while more detailed analyzes can be found in the Report. Similar to the Report, the content of the brochure is based on the content of the Envirostrategy 2030.

Environment of the Slovak Republic in Focus

The aim of the publication Environment of the Slovak Republic in Focus is to bring in a clear and concise form of information on the quality of the environment in connection with the health of the population, information on the use of natural resources, progress of the SR in the transition to a low carbon, green economy.

Environmental Regionalization of the Slovak Republic

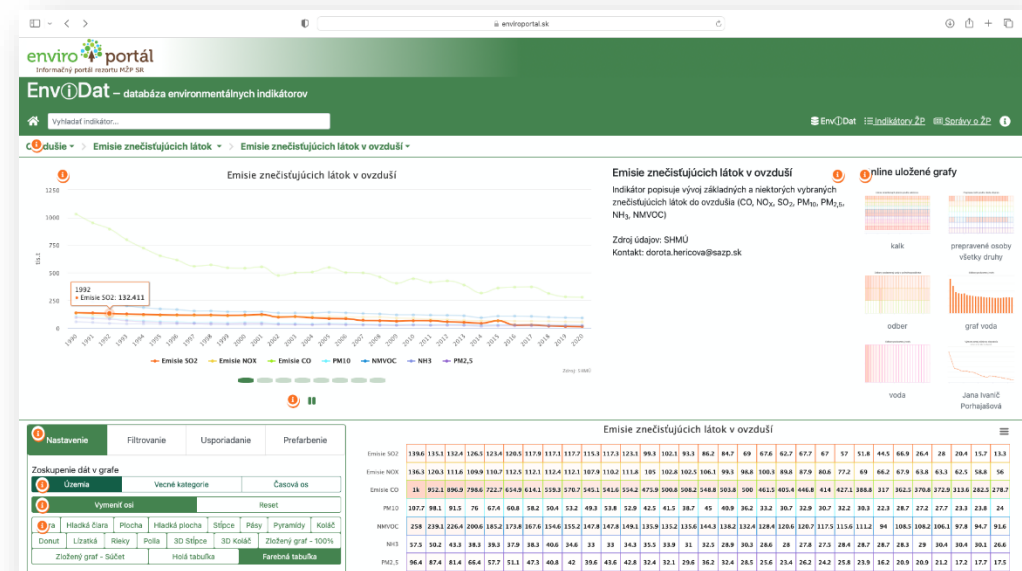
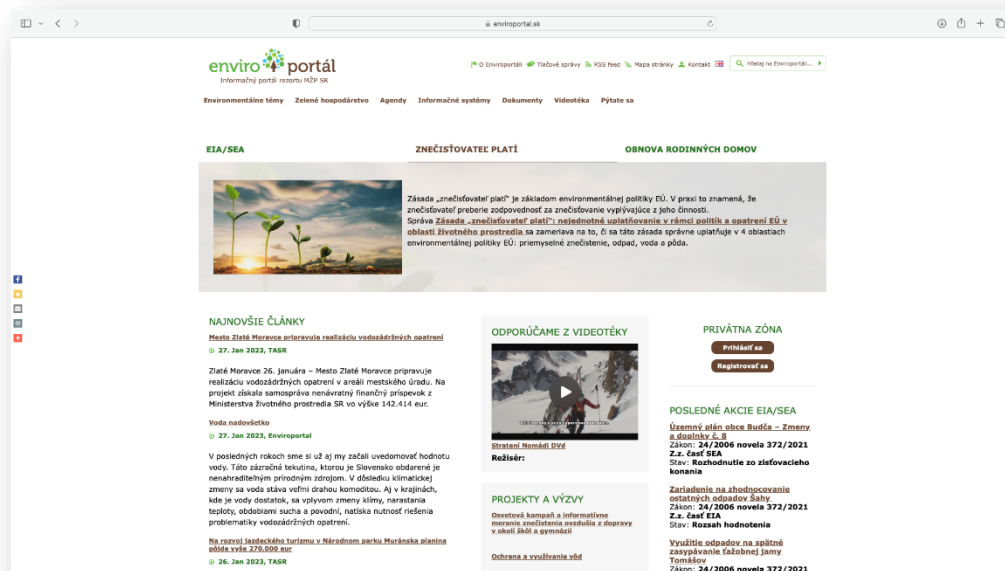
Environmental regionalization of the SR, IV. an updated and amended edition of 2016, presents the results of the process in which the territory of the SR is categorized into regions according to various environmental quality criteria, which evaluate the environment and its impacts.



INFORMATION AVAILABLE TO THE PUBLIC

Enviroportal is a basic platform for publishing outputs of information systems. It provides authorized and verified information on the environment in Slovakia and abroad, serves to users for a uniform access to information in environmental field.

EnviDat is tool for accessing specific database data and providing timely, targeted and relevant information about the environment, which is used in the creation of SOER and indicators. EnviDat was made available to the public in the Enviroportal in March 2018



<https://www.enviroportal.sk>

<https://www.enviroportal.sk/envidat>

Thank you ♥

dorota.hericova@sazp.sk

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