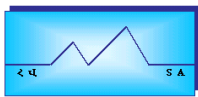


Collection and Dissemination of Environmental Information

Nelli Baghdasaryan

Statistical Committee of Armenia
Member of State Council on Statistics



Quantitative environmental information

Environmental data

Environment statistics

Environmental indicators

Environmental-economic accounts

Environmental indicators as key tools for environmental assessment



Objective of environment statistics

- improve knowledge of the environment;
- support evidence-based policy and decision making; and
- provide information for the general public and specific user groups about the state of the environment and the main factors that influence it.

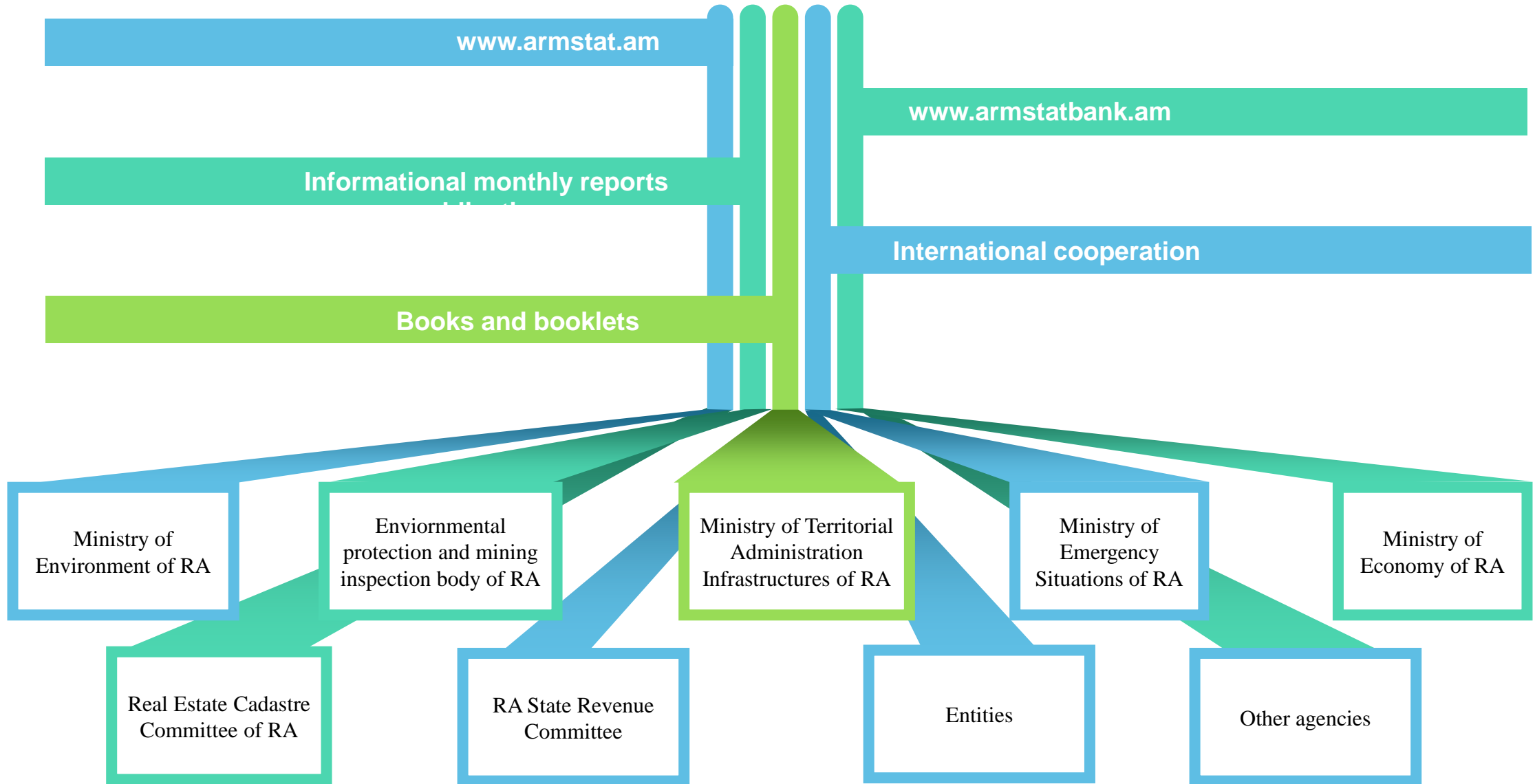
List of Indicators for Databases

- Indicators required by the Global conventions and international commitments
- Indicators of national importance
- Administrative indicators

Technical Assistance to Improve Indicators

- Developing a technical system for maintaining relevant inventories
- Improving greenhouse gas inventory management
- Improving water cadaster
- Development and implementation of appropriate software for the harmonization of statistical data with environmental data

Environmental Data Streams



The basis for implementation of official statistics

1. **Professional independence**
2. **Impartiality and objectivity**
3. **Accuracy and reliability**
4. **Coherence and comparability**
5. **Clarity and transparency**
6. **Statistical confidentiality and exclusive use for statistical purpose**
7. **Relevance**

RA

Law on

Official Statistics of RA

Adopted on March 2018

<https://www.armstat.am/file/doc/99511048.pdf>

Regulations
25 June 2001 No 53

ON APPROVEMENT OF THE ORDER ON
PROTECTION OF STATISTICAL CONFIDENTIALITY

Annual Statistical Programs and other normative acts

Directions and measures envisaged by the statistical program take into account the comparability of the country's indicators to the international statistical standards, ensure their possible stable periodicity for disclosing trends in the long-term and the proportion of resources allocated annually to the official statistics.

<https://www.armstat.am/en/?nid=191>

The Five-Year Statistical Program of RA for 2019-2023

Directions and measures envisaged by the statistical program take into account the comparability of the country's indicators to the international statistical standards, ensure their possible stable periodicity for disclosing trends in the long-term and the proportion of resources allocated annually to the official statistics.

<https://www.armstat.am/file/doc/99511048.pdf>

Environmental Data exchange agreements

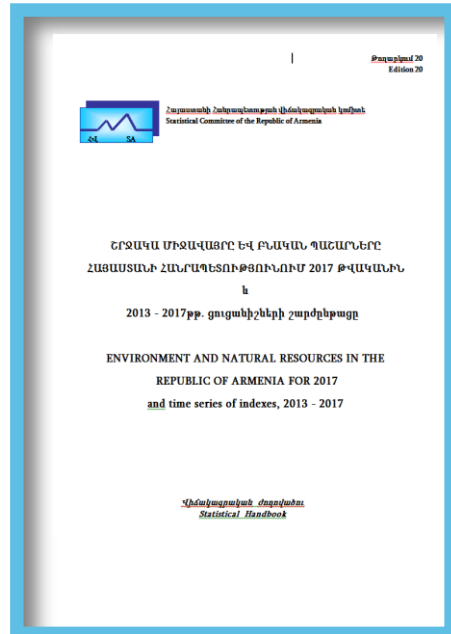
- Inter-institutional protocols
- Inter-sectorial Committee
- Regular official and working meetings with contact persons



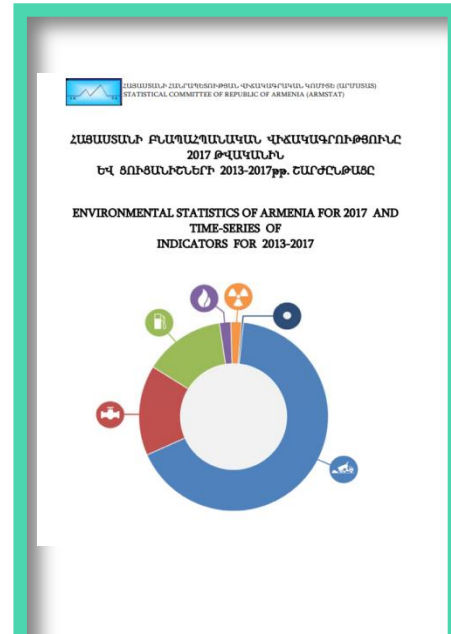
Letter of Intent signed (30.08.2017) between the Ministry of Nature Protection, the National Statistical Service of the Republic of Armenia and the European Environment Agency by Order of the Minister of Nature Protection of the Republic of Armenia No. 122-A of May 6, 2018



Environmental related publications



Environment and Natural Resources in the Republic of Armenia



Environmental Statistics of Armenia and time series



Statistical yearbook of Armenia

- Socio- Economic Situation of RA
- Housing resources and public utility of the Republic of Armenia
- Marzes of the Republic of Armenia and Yerevan city in figures
- Armenia in figures
- Statistics for Schools
- Atlas the Republic of Armenia by the regions and Yerevan city

Other publications

PORTAL

SHARED ENVIRONMENTAL INFORMATION SYSTEM SYSTEM FOR LAKE SEVAN

www.seis-sevan.am

SEIS Sevan

HOME INDICATORS ABOUT NEWS RESOURCES CONTACT

SHARED ENVIRONMENTAL INFORMATION SYSTEM FOR LAKE SEVAN

PLATFORM FOR IMPROVED ENVIRONMENTAL DATA SHARING

[READ MORE](#) Or Get Started

Statistics

Home Map

Water quality (BOD) for Average 2019

Month	Value
Jan	1.2
Feb	1.5
Mar	1.8
Apr	2.1
May	2.4
Jun	2.7
Jul	3.0
Aug	3.3
Sep	3.6
Oct	3.9
Nov	4.2
Dec	4.5

Get started

To see the statistics data for specific indicator please select following fields.





Choose type to search indicators by:

- All Indicators
- River
- Station

Water balance of Lake Sevan

All data providers

- Water temperature **B1.1**
- Water resources** **C**
- Elements of water balance, by percentage of reliability and years **C0**
- Renewable freshwater resources, by percentage of reliability and years **C1**
- Water quality indicator, by observation points and years **C10**
- Nutrients in underground freshwater, by water points, indicators and years **C11**
- Concentrations of pollutants in coastal lakewater and sediments, by types of substances and years **C13**
- Lake surface mirror **C0.1**

- Lake Sevan water mirror surface
- The total volume
- The water level mark
- Water level mark difference compared with the same day of pre
- Precipitation on the lake surface
- Evaporation from the lake surface
- Accumulation (decrease)
- Absolute uncertainty
- Relative uncertainty
- Lake Sevan water mirror surface, average annual
- The total volume, average annual
- The water level mark, average annual
- Aluminum
- Alpha-HCH



English

>> ArmStatBank >> 8. Environment and energy >> 8.1 Environment >> (A) Emissions of pollutants into the atmospheric air >> (A1-1)Emissions of pollutants into the atmospheric air (per capita and per square) by pollutants and years

Select variable

About table

Contact and information

Information

Unit

Link

Indicator (Glossary of

Creation date
4/28/2014

Copyright
No

Source
Ministry of

Matrix
EE-a1-1

+ Footnote

A-1: Emissions of pollutants into the

A-1: Emissions of pollutants into the atmospheric air

1) General description.....

1.1) Brief definition.....

- a) Emissions from stationary sources
- b) Emissions from mobile sources
- c) Total emissions.....

1.2) Units of measurement

1.3) Context.....

2) Relevance for environmental

2.1) Purpose

2.2) Issue

Abbreviations, legends and units of measurement

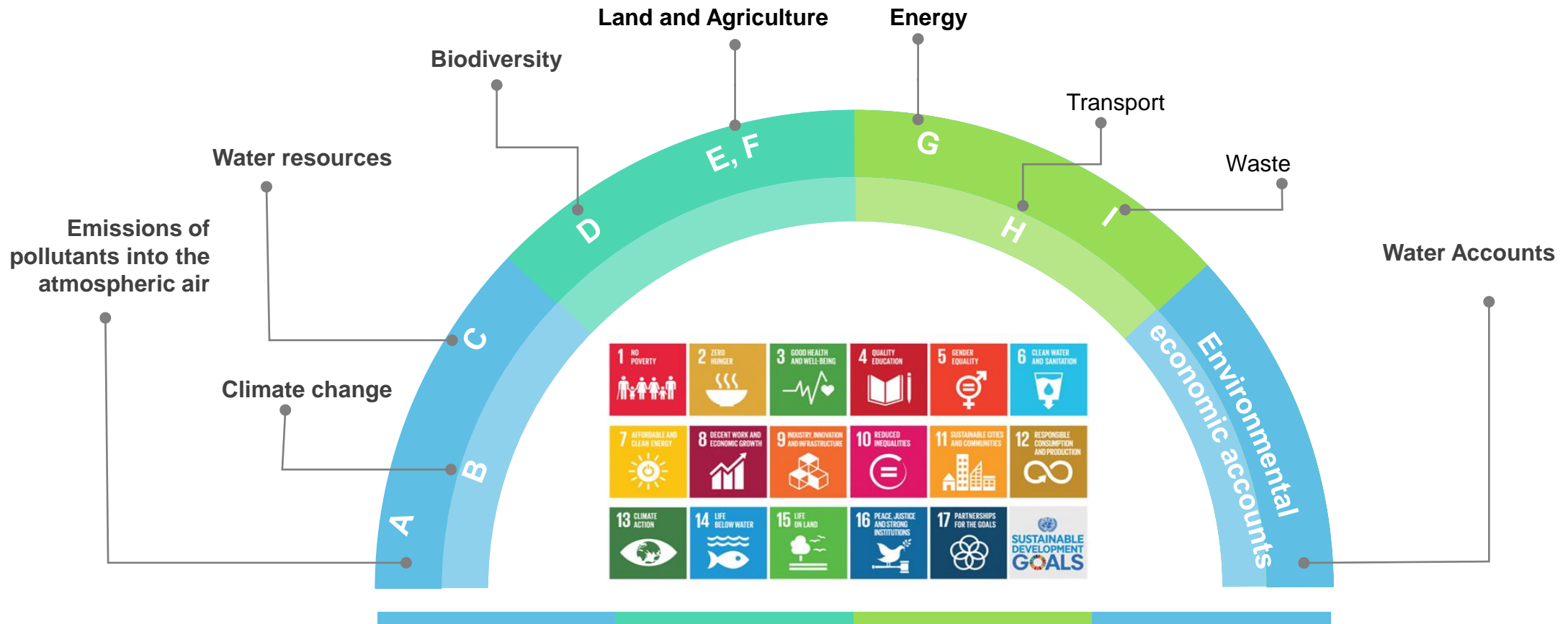
Abbreviations:

CLRTAP:	ECE Convention on Long-range Transboundary Air Pollution
ECE:	United Nations Economic Commission for Europe
EEA:	European Environment Agency
EMEP:	Cooperative Programme for Monitoring and Evaluation of the Long-range Transmission of Air Pollutants in Europe
ETC/AE:	European Topic Centre on Air Emissions
EU:	European Union
Eurostat:	European Union Statistical Office
Fugitive emissions:	Emissions not caught by a capture system; typically, small releases from leaks in plant equipment or in other cases.
GDP:	Gross domestic product
International dollar:	Monetary unit used by the World Bank for the calculation of the GDP at purchasing power parity
IPCC:	Intergovernmental Panel on Climate Change
ISIC:	International Standard Industrial Classification of All Economic Activities

— Sulphur dioxide(SO₂), total, 1000 t/year — Nitrogen oxides(NC 1000 t/year

Aligning with UNECE Indicators

37 assessed UNECE environmental indicators of Armenia (2018)



ArmStatBank.am

8.1 Environment

❖ (A) Emissions of pollutants into the atmospheric air

(A1) Emissions of pollutants into the atmospheric air by pollutants and years

(A1-1) Emissions of pollutants into the atmospheric air (per capita and per square) by pollutants and years

(A2) Ambient air quality in urban areas by cities, emissions and years

(A3) Consumption of ozone-depleting substances by substance and years

ArmStatBank.am

8.1 Environment

❖ (B) Climate change

(B1) Average temperature of air and deviation from norm of 1961-1990 by months and years

(B2) Atmospheric precipitation, by years

Amount of atmospheric precipitations and deviation from norm of 1961-1990 by months and years

Concentration of controlled substances in atmospheric precipitations by substances and years

(B3) Greenhouse gas emissions

Absolute values of Greenhouse gas emissions (Gg CO₂ eq) by Greenhouse gas and years

Aggregated emissions of Greenhouse gas (Gg CO₂ eq) by sectors and years

ArmStatBank.am

8.1 Environment

❖ (C) Water resources

- (C1) Renewable freshwater resources, by percentage of reliability and years
- (C2) Freshwater abstraction (surface and groundwater) by indicators and years
- (C2-1) Freshwater abstraction by NACE and years
- (C3) Water use by NACE and years
- (C4) Household water use per capita by indicators and years
- (C5) Public water supply by purpose and years
- (C6) Population connected to public water supply by indicators and years
- (C7) Water losses by NACE and years
- (C10, C11) Water quality indicator by observation points and years
 - (C11) Nutrients in freshwater – groundwater by indicators and years
 - Lakes, reservoirs
 - Water quality of Lake Sevan by points, indicators and years

ArmStatBank.am

Rivers

Water quality of River Aghstev by observation points, pollutants and years

Water quality of River Arpa by observation points, pollutants and years

Water quality of River Debed by observation points, pollutants and years

Water quality of River Hrazdan by observation points, pollutants and years

Water quality of River Meghri by observation points, pollutants and years

Water quality of River Khasakh by observation points, pollutants and years

Water quality of River Vorotan by observation points, pollutants and years

Water quality of River Voxchi by observation points, pollutants and years

(C14) Population connected to wastewater treatment by indicators and years

(C15) Wastewater treatment facilities by indicators and years

(C16) Polluted wastewater (without treatment and insufficiently treated waste water) by years

Polluted wastewater by indicators and years

The content of hazardous substances in wastewaters by substances and years

Water Accounts

Physical Water Supply and Use Tables

- By types of water sources
- Years
- Indicators
- NACE categories



National Accounts

- Product output and supply
- Intermediate consumption
and use

Formation of the System of Water
Satellite Accounts in Armenia
(arm. version)

Challenges



Integration with sources



Data standardization



Qualified employees



Develop new modules



Digitization of historical data



Legal mechanisms

Key outcomes from Kyiv meeting

- The meeting has helped to develop national roadmaps with concrete measures to modernise environmental information systems and raise the profile of environmental information in national open data and e-government processes.
- The meeting has addressed the implementation of the open data portal and identified steps to advance the sharing and integration of environmental information by exploring the legal, organizational and technical conditions framing the national e-government and open data initiatives.





THANK YOU