

Key findings from the UNECE/SEIS assessment framework



I. Cooperation

[2 questions]

- *Institutional and organizational arrangements [legislation, programs, strategies, and legal or institutional arrangements]*



II. Infrastructure

[3 questions]

- *Accessibility [about format and web platform used for dissemination]*



III. Content

[20 questions]

- *Relevance [re-use for multiple proposes, collect the user feedback]*
- *Accuracy [data quality-related procedures used]*
- *Timeliness and punctuality [updates, publish faster without delays]*
- *Clarity [metadata, procedures and guidelines]*
- *Comparability [geographical and over time]*

Reporting on progress in establishing SEIS in the pan-European region - mid-term review* 2018

Country	A. Air pollution and ozone depletion				C. Water		D. Biodiversity	
	A2. Ambient air quality in urban areas				C10. BOD ₅ and concentration of ammonium in rivers		D1. Protected areas	
	Annual average concentration of PM ₁₀ – validated	Annual average concentration of sulphur dioxide – validated	Annual average concentration of nitrogen dioxide – validated	Annual average concentration of ground-level ozone – validated	Mean concentration of BOD ₅ in major rivers	Mean concentration of ammonium in major rivers	Total protected areas (by IUCN categories)	National performance score
Armenia	97%	97%	85%	97%	100%	100%	100%	96%
Azerbaijan	90%	90%	90%	90%	90%	90%	93%	90%
Belarus	90%	90%	90%	90%	85%	85%	60%	84%
Georgia	80%	80%	80%	80%	78%	78%	68%	78%
Republic of Moldova	70%	72%	70%	70%	95%	95%	73%	78%
Ukraine	62%	62%	62%	N/A	62%	62%	70%	54%

* Source: UNECE, ECE/CEP/2019/7 Mid-term review report on the establishment of the Shared Environmental Information System at <http://www.unece.org/fileadmin/DAM/env/documents/2019/ece/cep/ece.cep.2019.7.e.pdf>

Armenia_SEIS self-assessment_performance score

Theme: D. Biodiversity

Indicator: D1. Protected areas

Data flow: Total protected areas by IUCN

D15. Is the data flow available and accessible online for users on any national platform?	Please select an answer:			
	Yes	Yes=1	Yes	1.0
	No	No=0		
If the answer to this question is yes, please provide the link(s) to all platforms where the data flow is accessible.	Open	None		n/a

Infrastructure:
Accessibility

D24. Are there national legislation, plans, programmes or strategies in place related to the production of the data flow?	Please select an answer:						
	Yes	Yes=1	Yes	1.0	1	10%	10.00%
No	No=0						
If the answer to this question is yes, please specify.	Open (name of legislation, plan, programme or strategy; period covered; all institutions involved; website)	None		n/a			
D25. Are there any legal or institutional arrangements for regular production and sharing of data between various institutions at national level in place?	Please select an answer:						
	Yes	None	Yes	n/a			
	No						
If the answer to this question is yes, please specify.	Open	None		n/a			
				OVERALL PERFORMANCE SCORE DATA FLOW	Total protected areas (by IUCN categories)		100.00%

Cooperation:
Institutional and organizational arrangements

OVERALL PERFORMANCE SCORE DATA FLOW	Total protected areas (by IUCN categories)	76.67%
--------------------------------------------	---------------------------------------------------	---------------



//. Infrastructure

Accessibility

D15. Is the data flow available and accessible online for users on any national platform?

If the answer to this question is yes, please provide the link(s) to all platforms where the data flow is accessible.

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If the answer to this question is yes, please provide the link(s) to all platforms where the data flow is accessible.

ISO code	EEA member countries	Delivered 2018	A2.PM10	A2. SO2	A2.NO2	A2.O3	C10.BOD5	C10.NH4	D15	
AM	Armenia	Yes	www.armmonitoring.am (Environmental Monitoring and Information Centre SNCO) www.armstat.am (Statistical Committee) www.mnp.am (Ministry of Nature Protection)						No link provided	
AZ	Azerbaijan	Yes	http://eco.gov.az/en/post/1050; https://www.stat.gov.az/source/environment/?lang=en				https://www.stat.gov.az/source/environment/?lang=en	http://eco.gov.az/en/post/1050; https://www.stat.gov.az/source/environment/?lang=en		
GE	Georgia	Yes	http://nea.gov.ge/ge/service/haeris-monitoringi/14/haeris-dabindzurebis-yoveldgiuri-biuleteni/ http://nea.gov.ge/ge/service/garemos-dabindzureba/7/biuleteni/				http://nea.gov.ge/ge/service/garemos-dabindzureba/7/biuleteni/	http://eiec.gov.ge/თემები/დაცული-ტერიტორიები/Data/Maps.aspx http://www.geostat.ge/index.php?action=page&p_id=431&lang=eng		
BY	Belarus	Yes	http://www.belstat.gov.by/en/ofitsialnaya-statistika/macroecconomy-and-environment/okruzhayuschaya-sreda/the-shared-environmental-information-system/c-water-resources/c10-average-annual-oxygen-demand-in-rivers-and-concentrations-of-ammonium-ions-in-terms-of-nitrogen-in-rivers/; http://rad.org.by/monitoring/aqua.html; http://www.nsmos.by/content/174.html				http://www.belstat.gov.by/en/ofitsialnaya-statistika/macroecconomy-and-environment/okruzhayuschaya-sreda/the-shared-environmental-information-system/c-water-resources/c10-average-annual-oxygen-demand-in-rivers-and-concentrations-of-ammonium-ions-in-terms-of-nitrogen-in-rivers/;	http://www.belstat.gov.by/en/ofitsialnaya-statistika/macroecconomy-and-environment/okruzhayuschaya-sreda/the-shared-environmental-information-system/d-biodiversity/d1-specially-protected-natural-areas/ ; http://www.minpriroda.gov.by/ru/news-ru/view/reestr-osobo-oxranjaemyx-prirodnix-territorij-teper-dostupen-v-elektronnom-vide-1861/		
MD	Republic of Moldova	Yes	Statistical Yearbook http://www.statistica.md/pageview.php?l=ro&idc=263&id=2193 The publication "Territorial Statistics" http://www.statistica.md/pageview.php?l=ro&idc=350&id=42				http://meteo.md/index.php/ro/maps/moldova http://old.meteo.md/monitor/monitor.htm http://date.gov.md/ckan/ro/dataset/14794-biochemical-oxygen-demand-and-concentration-of-ammonium-in-rivers	http://www.statistica.md/public/files/publicatii_electronic/Mediu/Resurse_naturale_2017.pdf http://lex.justice.md/index.php?action=view&view=doc&id=311614 http://www.ieg.asm.md/en/protected_areas http://pzi.menr.gov.ua/%D0%BF%D0%B7%D1%84-%D1%83%D0%BA%D1%80%D0%B0%D1%97%D0%BD%D0%B8/%D1%82%D0%B5%D1%80%D0%B8%D1%82%D0%BE%D1%80%D1%96%D1%97-%D1%82%D0%B0-%D0%BE%D0%B1%E2%80%99%D1%94%D0%BA%D1%82%D0%B8-%D0%BF%D0%B7%D1%84-		
UA	Ukraine	Yes	Site of the Central Geophysical Observatory named after Boris Sreznevsky							http://pzi.menr.gov.ua/%D0%BF%D0%B7%D1%84-%D1%83%D0%BA%D1%80%D0%B0%D1%97%D0%BD%D0%B8/%D1%82%D0%B5%D1%80%D0%B8%D1%82%D0%BE%D1%80%D1%96%D1%97-%D1%82%D0%B0-%D0%BE%D0%B1%E2%80%99%D1%94%D0%BA%D1%82%D0%B8-%D0%BF%D0%B7%D1%84-

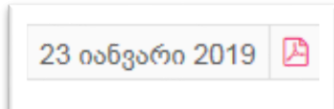


D15. Is the data flow available and accessible online for users on any national platform?

If the answer to this question is yes, please provide the link(s) to all platforms where the data flow is accessible.

- Links to the main webpages of institutions

- Data as PDFs, Docs



- Data in Excel format

download the file in Excel format for 2005–2017

- Indicators (*download data as Excel, or PDFs*)

Figure 1 Mean Biochemical oxygen demand by rivers
Mean Biochemical oxygen demand, by rivers

▼ Specially protected areas
XLS Specially protected areas

Результаты наблюдений по годам:
2006 г., 2007 г., 2008 г., 2009 г., 2010 г., 2011 г., 2012 г.,

основные пункты гидрохимического и гидробиологического мониторинга поверхностных вод

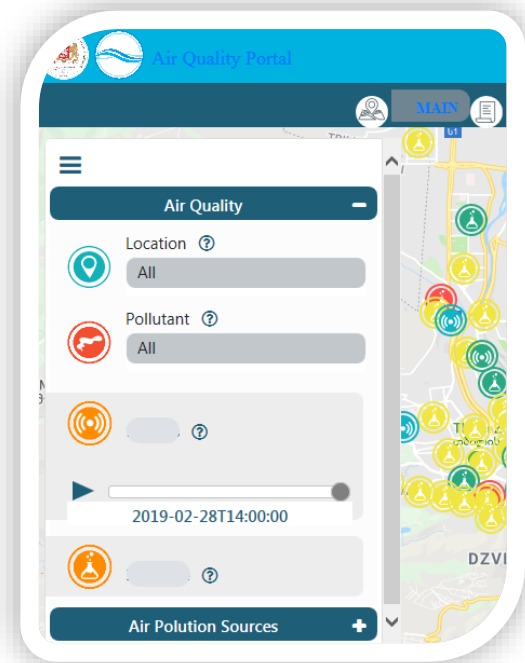
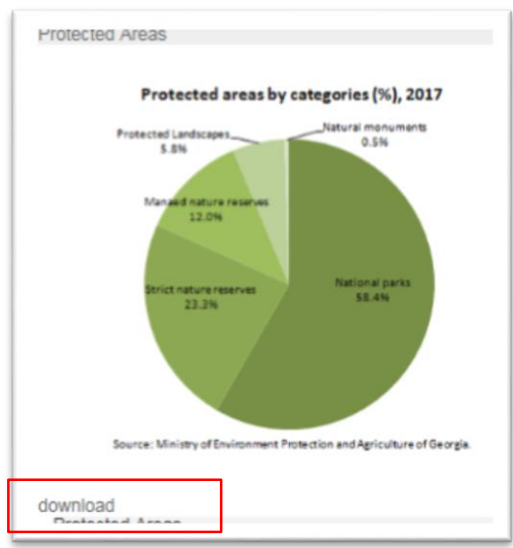
пункты гидрохимического мониторинга поверхностных вод

- Maps with legend (*PDFs, pictures*)



- Interactive web map page (*View service*)

ბტალი www.air.gov.ge, რომელიც



- Publications, Statistical Yearbooks,

Environmental reports as PDFs

E-version of publication
ZIP Environment in Azerbaijan 2017 (2,52 MB)

- Name of the site (*no link provided*)

Armenia_SEIS self-assessment

Theme: Air and Water

www.armmonitoring.am (Environmental Monitoring and Information Centre SNCO)

www.armstat.am (Statistical Committee)

www.mnp.am (Ministry of Nature Protection)

MINISTRY OF NATURE PROTECTION OF THE REPUBLIC OF ARMENIA

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SUBSOIL ▾
ENVIRONMENTAL MONITORING

Emissions
GREENHOUSE GAS
OZONE DEPLETING SUBSTANCES (ODS)

Eng: improve access to the information 😊

The pupils of "Young Naturalist" club partook in eco-educational events in "Dilijan" national park

Azerbaijan_SEIS self-assessment

<http://www.stat.gov.az>

The State Statistical Committee of the Republic of Azerbaijan

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y 1.5% compared to the previous year > Prices of consumer goods and services in 2018 compared to 2017 increased by 2.3% > For the state of 1st December of the current year winter

Environment Protection Last updated: 19.09.2018

- ▼ The key indicators of shared ecological information system
- ▼ General information
- ▼ Land resources
- ▼ Specially protected areas
 - XLS Specially protected areas
 - XLS National parks, state natural reserves and wildlife refuges
 - XLS National parks by place of location at the end of 2017
 - XLS Reserves by place of location at the end of 2017
 - XLS State nature preserves by place of location at the end of 2017

Statistical information service (ASIS)

Ministry of Ecology and Natural Resources

<http://eco.gov.az/>

Ministry of Ecology and Natural Resources of Azerbaijan Republic

Human being learns from nature, crisped by its air, purifies and regenerates from it. Heydar Aliyev

Weather Babrayil Daytime +8°C, Night +2°C Fuzuli Daytime +10°C, Night +2°C Ganja Daytime +11°C, Night +3°C

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Useful Sections

- Appeal Board
- Public Council under the Ministry of Ecology and Natural Resources
- Vacancy
- Announcements
- National parks
- Water treatment plants
- Ecological posters
- Videos
- Ecological Calendar
- The ecological situation in occupied territories
- Our resources

Home Page

Concentrations of gas mixtures in the atmosphere at Heydar Aliyev Avenue

Benzene

BENZEN CONC., 60Min/Avg values

Day	Value
01	25
02	15
03	35
04	45
05	35
06	30
07	30
08	30
09	15
10	30
11	15
12	15
13	10
14	15
15	15
16	20
17	20

Nitrogen dioxide

Services

- Hot Line 168
- Online ticket sale to the National Parks
- Online air quality information
- The RED BOOK of Azerbaijan Republic
- Virtual Garabagh Information and Communication Technologies Center

Georgia_SEIS self-assessment

National Environmental Agency

<http://nea.gov.ge/ge/service/haeris-monitoringi/14/haeris-dabindzurebis-yoveldgiuri-biuletini/>

ჰაერის მონიტორინგი

NEA.GOV.GE

სერვისები

ჰაერის მონიტორინგი

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Air Quality Portal

Location: All

Pollutant: All

2019-02-26T14:00:00

Air Pollution Sources

LEGEND OF AIR QUALITY INDEX

- Good
- Fair
- Moderate
- Poor
- Very Poor
- No Data

Should be listed by descending date of publication 😊

Georgia_SEIS self-assessment



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Environmental Information and Education Centre

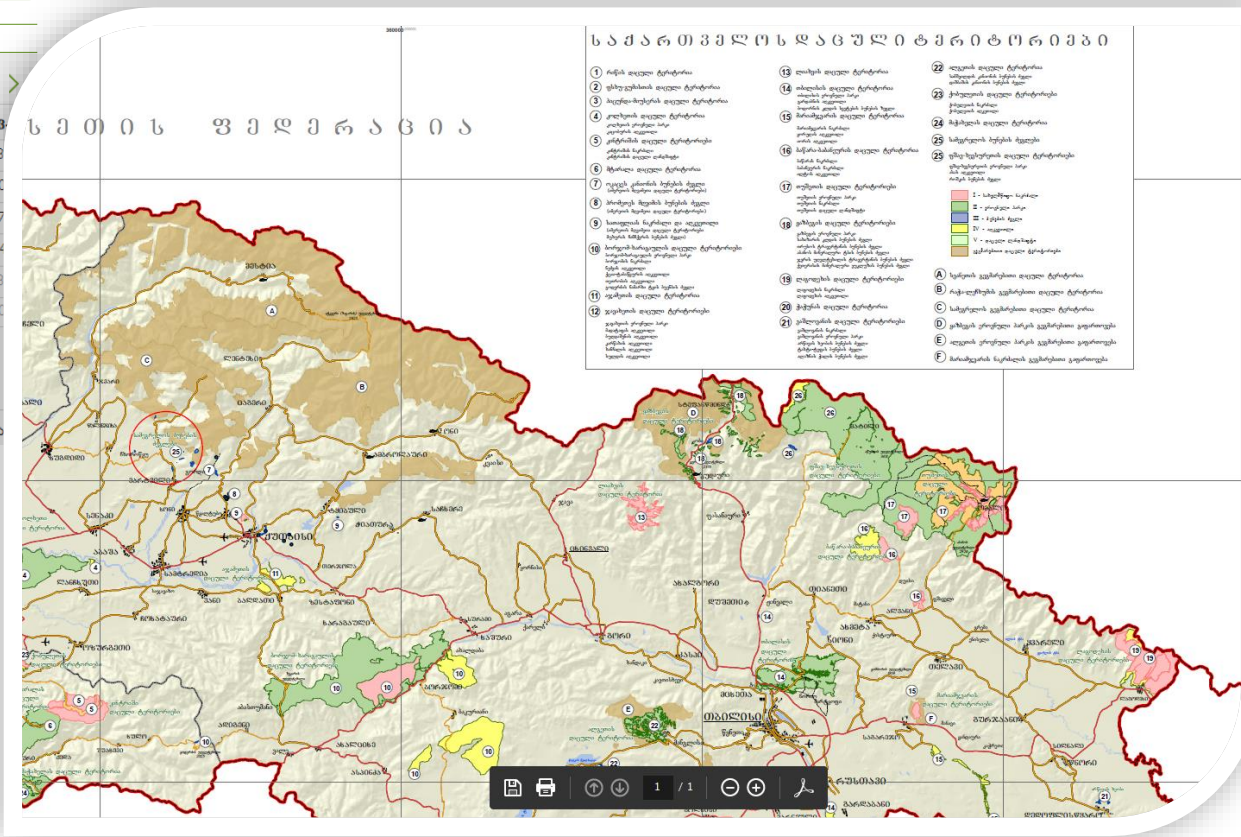
<http://eiec.gov.ge/>

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- აკამეთის ალკვეთილი
- ბანარა-ბაბანეურის დაცული ტერიტორიები
- ბორჯომ-ხარაგაულის ეროვნული პარკი
- ვალთიანის დაცული ტერიტორიები

თებერვალი 2019

ორშ.	სამშ.	თოშპ.	ხუთშ.	პარ.	შაბ.	კვ.
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	1	2	3
4	5	6	7	8	9	10



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- Education and Culture
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- Business Register
- Agriculture, Environment and Food Security
- Industry, Construction and Energy Statistics
- Service Statistics
- Government Finance Statistics

Environment

- Forest
- Air Pollution
- Protected Areas

Protected areas by categories (%), 2017

Protected landscapes	5.8%
Natural monuments	0.5%
Managed nature reserves	12.0%
Strict nature reserves	22.2%
National parks	59.4%

Source: Ministry of Environment Protection and Agriculture of Georgia

News

2019-02-20
Producer Price Index in Georgia, January 2019
Producer Price Index for Industrial Products

2019-02-20
Global Assessment Mission in Geostat
The International Mission of the Adopted Global Assessment of National Statistical System of Georgia is on four-day visit at National Statistics Office of Georgia.

Publications

download Protected Areas Download as XLS

- PDF; Not possible to be used in a spatial analysis by using different geo-processing tools on raster

Belarus_SEIS self-assessment

The National Statistical Committee

<http://www.belstat.gov.by>



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Nominal gross average earnings in the Republic of Belarus in January 2019

25.02.2019

Housing construction in January 2019

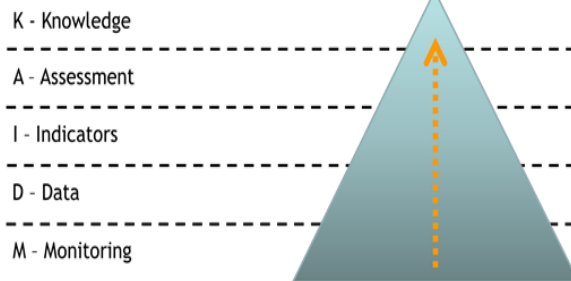
19.02.2019

ALL NEWS

RELEASE CALENDAR

USERS SURVEY

In order to improve the quality of official statistical information, improve the distribution practices, reminder user feedback and assess the needs in



Keep traceability of the env. data/information

(MDIAK reporting chain)

National State of Environment Report

http://www.minpriroda.gov.by/en/new_url_1244680181-en/

C.10. BOD and concentration of ammonium in rivers

Indicator:

C10 – Biochemical oxygen demand and concentration of ammonium in rivers

[download the file in Excel format for 2005–2017](#)

Brief description:

Biochemical oxygen demand (BOD5) in rivers is an integral indicator of the contamination of surface waters and reflects the amount of dissolved oxygen required by organisms for the aerobic decomposition of organic matter present in water. In Belarus, the limit value for the concentration of BOD5 is set as 3.00 mg of O₂/litre;

Ammonium is one of the main river pollutants. The limit value for the concentration of ammonium is set as 0.39 mg of N/litre; The indicator is presented in the context of selected rivers by surveillance stations

Biochemical oxygen demand and concentration of ammonium ions in rivers

	Annual average biochemical oxygen demand (BOD ₅), mg of O ₂ /litre		Concentration of ammonium ions (NH ₄ /N-NH ₄), mg of N/litre	
	2010	2017	2010	2017
Berezina	1.82	2.53	0.86	0.49
Viliya	2.53	2.37	0.47	0.12
Dnieper	2.15	2.02	0.41	0.27
Western Dvina	2.10	2.11	0.45	0.16
Western Bug	2.88	3.13	0.35	0.41
Mukhavets	2.43	2.21	0.81	0.31
Neman	2.36	2.13	0.43	0.23
Pripyat	2.46	2.56	0.50	0.26
Svisloch	2.90	2.52	0.82	0.42
Sozh	1.53	1.96	0.33	0.26

Methodology:

The annual average biochemical oxygen demand after five days of incubation is estimated on the basis of information on surface water samples taken and tested at each surveillance station of the state surface water monitoring network;

The concentration of ammonium is estimated on the basis of information on surface water samples taken and tested at each surveillance station of the state surface water monitoring network.

Data source:



The National Environmental Monitoring System;
The data producer is the Ministry of Natural Resources and Environmental Protection of the Republic of Belarus.

Relevance of the indicator:


The indicator provides a measure of the state of rivers in terms of biodegradable organic load and ammonium

Belarus_SEIS self-assessment

Information-Analytical Centre of Atmospheric Air Monitoring
<http://rad.org.by/monitoring/air>



Государственное учреждение «Республиканский центр по гидрометеорологии, контролю радиоактивного загрязнения и мониторингу окружающей среды» Минприроды Республики Беларусь
РАДИАЦИОННО - ЭКОЛОГИЧЕСКИЙ МОНИТОРИНГ

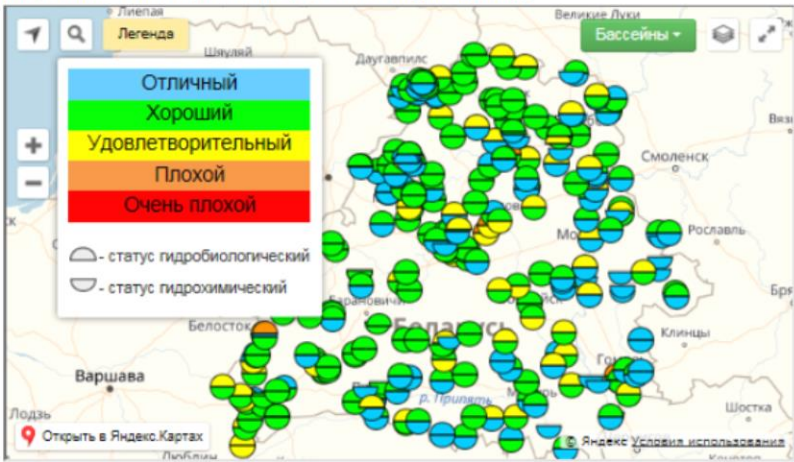
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Главная / Мониторинг / Мониторинг поверхностных вод

МОНИТОРИНГ ПОВЕРХНОСТНЫХ ВОД В БЕЛАРУСИ

Гидрохимические и гидробиологические статусы поверхностных водных объектов по результатам мониторинга поверхностных вод за 2017 год



Легенда

- Отличный
- Хороший
- Удовлетворительный
- Плохой
- Очень плохой

☐ - статус гидробиологический
☐ - статус гидрохимический

ПЕРЕВЕСТИ СТРАНИЦУ

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СЕТЬ НАБЛЮДЕНИЙ

Схема размещения пунктов радиационного мониторинга





Схема размещения пунктов мониторинга атмосферного воздуха




[Все схемы ▼](#)

РАДИАЦИОННО-ЭКОЛОГИЧЕСКАЯ ОБСТАНОВКА В РЕСПУБЛИКЕ

По данным Республиканского центра по гидрометеорологии, контролю радиоактивного загрязнения и мониторингу окружающей среды радиационная обстановка в республике остается без изменений. По состоянию на 21 февраля уровни мощности дозы гамма – излучения в Минске...

РАДИАЦИОННО-ЭКОЛОГИЧЕСКАЯ ОБСТАНОВКА В РЕСПУБЛИКЕ

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"Вода стоит особняком в истории нашей планеты. Нет природного тела, которое могло бы с ней сравниться по влиянию на ход основных, самых грандиозных, геологических процессов. Не только земная поверхность, но и глубокие – в масштабе биосферы – части планеты определяются, в самых существенных своих проявлениях, ее существованием и ее свойствами."

Belarus_SEIS self-assessment

National Environmental Monitoring System (NEMS)

<http://www.nsmos.by>

Главный информационно-аналитический центр Национальной системы мониторинга окружающей среды Республики Беларусь

Виды мониторинга

- Мониторинг земель (почва)
- Мониторинг атмосферного воздуха
- Мониторинг поверхностных вод
- Мониторинг подземных вод
- Мониторинг лесов
- Мониторинг растительного мира
- Мониторинг животного мира
- Мониторинг озонового слоя
- Радиационный мониторинг
- Геофизический мониторинг
- Локальный мониторинг
- Комплексный мониторинг экосистем на ООПТ
- СГМ и мониторинг ЧС

Мониторинг поверхностных вод

Мониторинг поверхностных вод – это система регулярных наблюдений за состоянием поверхностных вод по гидрохимическим, гидрохимическим, гидробиологическим и иным показателям в целях своевременного выявления негативных процессов, прогнозирования их развития, предотвращения вредных последствий и определения степени эффективности мероприятий, направленных на рациональное использование и охрану поверхностных вод. Наблюдения осуществляют структурные подразделения организаций, подчиненных Минприроды Республики Беларусь.

Мониторинг поверхностных вод на территории Республики Беларусь проводится в 297 пунктах наблюдений. Регулярные наблюдения осуществляют на 160 водных объектах, из них 86 водотоков (176 пунктов наблюдений) и 74 водоема (121 пункт наблюдений).

Важным направлением развития мониторинга поверхностных вод в последние годы является поэтапное развертывание наблюдений по гидроморфологическим показателям, осуществляемое в рамках государственной программы.

Результаты наблюдений по годам: 2006 г., 2007 г., 2008 г., 2009 г., 2010 г., 2011 г., 2012 г., 2013 г., 2014 г., 2015 г., 2016 г., 2017 г.

- основные пункты гидрохимического и гидробиологического мониторинга поверхностных вод
- пункты гидрохимического мониторинга поверхностных вод
- пункты мониторинга трансграничного переноса веществ

Бассейны рек: Западная Двина, Неман, Западная Буг, Днепр, Припять.

Период наблюдений	Наименование показателя						
	Органические вещества (по БПК ₅), мгО ₂ /дм ³	Аммоний-ион, мгN/дм ³	Нитрит-ион, мгN/дм ³	Фосфат-ион, мгP/дм ³	Фосфор общий, мг/дм ³	Нефтепродукты, мг/дм ³	СПАВ, мг/дм ³
2016	2,11	0,20	0,0066	0,047	0,065	0,0086	0,014
2017	2,24	0,14	0,0066	0,052	0,073	0,0072	0,013

В 2017 г. случаев превышения по нитрит-иону, БПК₅ и нефтепродуктам в течение года не зафиксировано. Количество проб воды с повышенными концентрациями фосфата достигло 25,0% от общего количества отобранных проб (рисунок 2.6).

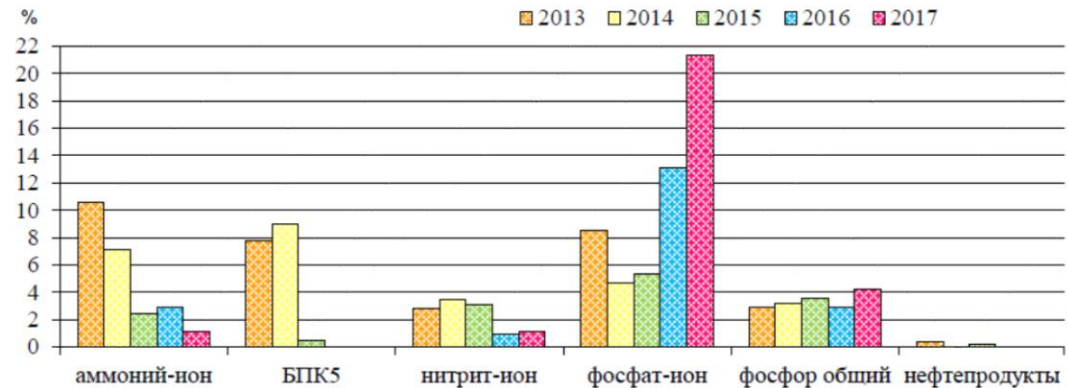
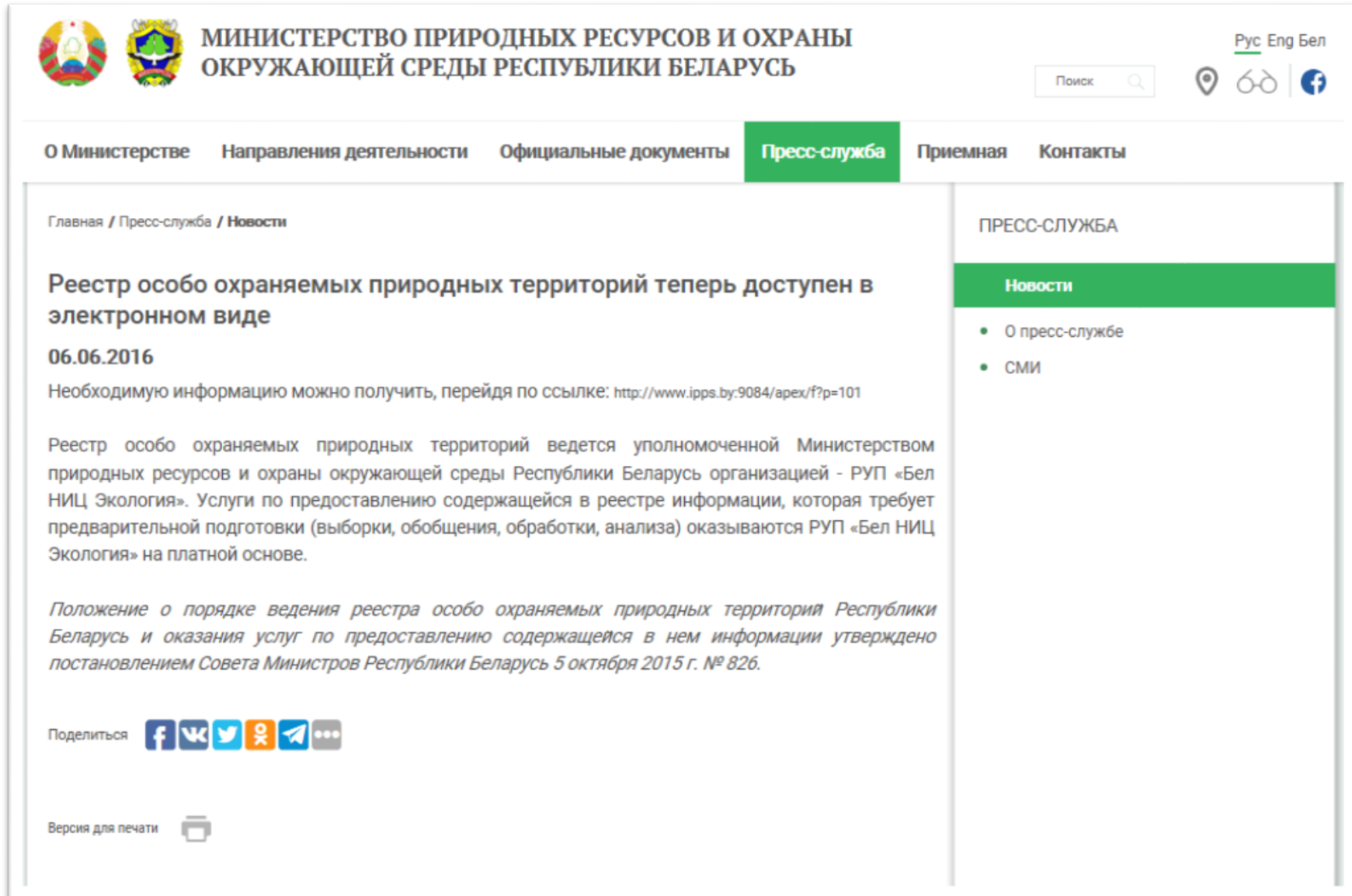




Рисунок 2.6 – Количество проб воды с повышенным содержанием химических веществ (в % от общего количества проб) в воде водных объектов бассейна р. Западная Лвина за

Belarus_SEIS self-assessment





Ministry of Natural Resources and Environmental Protection of the Republic of Belarus

<http://www.minpriroda.gov.by>



  **МИНИСТЕРСТВО ПРИРОДНЫХ РЕСУРСОВ И ОХРАНЫ ОКРУЖАЮЩЕЙ СРЕДЫ РЕСПУБЛИКИ БЕЛАРУСЬ**

Рус Eng Бел

Поиск    

[О Министерстве](#) [Направления деятельности](#) [Официальные документы](#) **[Пресс-служба](#)** [Приемная](#) [Контакты](#)

Главная / Пресс-служба / **Новости**







Реестр особо охраняемых природных территорий теперь доступен в электронном виде


06.06.2016

Необходимую информацию можно получить, перейдя по ссылке: <http://www.ipps.by:9084/apex/f?p=101>

Реестр особо охраняемых природных территорий ведется уполномоченной Министерством природных ресурсов и охраны окружающей среды Республики Беларусь организацией - РУП «Бел НИЦ Экология». Услуги по предоставлению содержащейся в реестре информации, которая требует предварительной подготовки (выборки, обобщения, обработки, анализа) оказываются РУП «Бел НИЦ Экология» на платной основе.

Положение о порядке ведения реестра особо охраняемых природных территорий Республики Беларусь и оказания услуг по предоставлению содержащейся в нем информации утверждено постановлением Совета Министров Республики Беларусь 5 октября 2015 г. № 826.


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Версия для печати 

ПРЕСС-СЛУЖБА

Новости

- О пресс-службе
- СМИ

Agency 

Moldova_SEIS self-assessment

Centre on Integrated Data Monitoring and Informational Management (CIEMIM) - <http://www.meteo.md>:

4 °C Chişinău ACASĂ CONTACTE MAIL TRANSPARENTA SEARCH ro en ru

Serviciul Hidrometeorologic de Stat

METEO HIDROLOGIE CALITATEA MEDIULUI CLIMA SERVICII CERCETĂRI COOPERARE DESPRE NOI

Home » Calitatea Mediului » Buletin zilnic privind poluarea și prognoza poluării aerului atmosferic

BULETIN ZILNIC PRIVIND POLUAREA ȘI PROGNOZA POLUĂRII AERULUI ATMOSFERIC ÎN MUN. CHIȘINĂU ȘI BĂLȚI

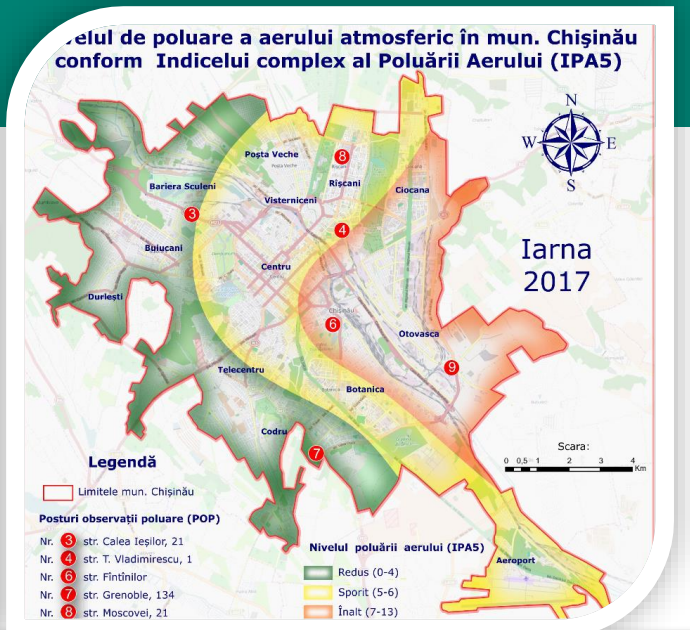
Buletin zilnic privind poluarea și prognoza poluării aerului 26 februarie

GALLERY



DOWNLOADS

- [Impactul poluării aerului asupra sănătății populației și mediului înconjurător](#)
- [Concentrațiile maxime admisibile \(CMA\) și clasa de pericol pentru poluanții investigați în aerul atmosferic.](#)



Serviciul Hidrometeorologic de Stat

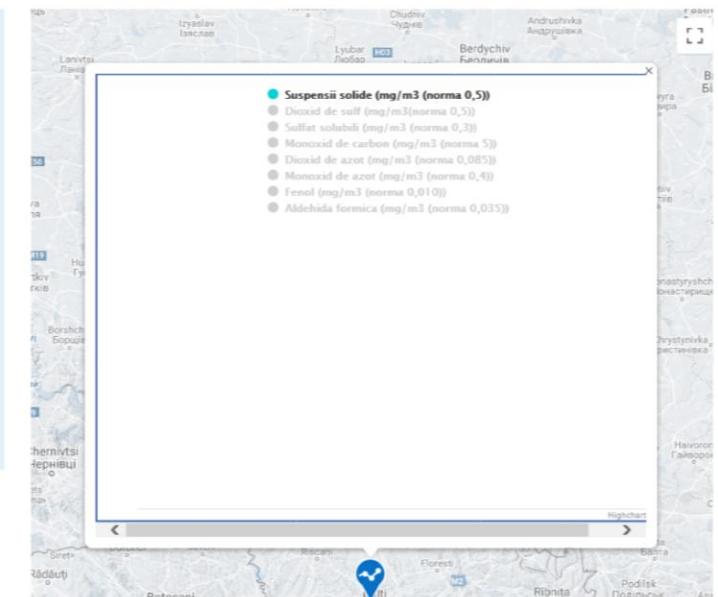
METEO HYDRO ENVIROMENT CLIMATE SERVICE RESEARCHES COOPERATION ABOUT US

Home » Maps and Observations

MAPS AND OBSERVATIONS

FILTER SETTINGS

- ▶ METEOROLOGIE
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- ▶ RADIOACTIVITATEA
- ▼ POLUAREA AERULUI
 - Chişinău, str.Calea Ieşilor,21
 - Chişinău, str.Vladimirescu,1
 - Chişinău, str.Fintinilor,9A
 - Chişinău, str.Grenoble,134
 - Chişinău, bd. Moscova,21
 - Chişinău, str.Uzinelor,171
 - Bălți, str.Stefan cel Mare,140
 - Bălți, str.Cicicalo,8
- ▶ COMPUȘI BIOLOGICI
- ▶ COMPUȘI CHIMICI
- ▶ SOL
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Moldova_SEIS self-assessment

Best practice for environmental Indicators

Portalul Governamental al Datelor Deschise <http://date.gov.md>

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Portalul Governamental al Datelor Deschise Date Aplicații Participă Despre Comunicate Sondaje Căutare site

/ Instituții / Ministerul Mediului / **Biochemical oxygen demand ...**

Biochemical oxygen demand and concentration of ammonium in rivers

Followers: 0

Instituție



Ministerul Mediului
Ministerul Mediului este organul central de specialitate al administrației publice care elaborează și promovează politica statului în domeniul protecției mediului și utilizării... citește mai mult

Set de date Grupuri Flux de activitate Înrudit

Biochemical oxygen demand and concentration of ammonium in rivers

Thematic area - Water
Name of Indicator - BOD and concentration of ammonium in rivers
DPSIR - State
Indicator type - A = descriptive indicator

Definition of the indicator: Indicator shows the level of oxygen concentration in water bodies, expressed as biochemical oxygen demand (BOD), which is the amount of dissolved oxygen required for the aerobic decomposition of organic matter present in water, and the level of concentrations of ammonium (NH4) in rivers.

Units: Annual average BOD after 5 days incubation (BOD5) is expressed in mg O2/l and annual average total ammonium concentrations in micrograms N/l.

Policy relevance of the indicator Legal framework includes: - Water Law # 727 from 23.12.2011 (came into force on 26th of October) - Regulation on monitoring systematic evidence of the surface waters and groundwater's status (Government Decision # 932 from 20.11.2013) - Regulation on surface water environmental quality requirements (Government Decision # 890 from 12.11.2013)

Strategic framework includes: - Environmental Strategy (Government Decision #301 from 24th April 2014).

International framework includes: - Convention on the Protection and Use of Transboundary Watercourses and International Lakes (Water Convention, Helsinki, 1992); - Convention on Wetlands of International Importance especially as Waterfowl Habitat (Ramsar, 1971) - Convention on Cooperation for the Protection and Sustainable Use of the River Danube (Convention for the Protection of the Danube River, Sofia, 1994);





Targets - The National Environmental Strategy states that it should be implemented a management system

Key messages: For the period 1990 to 2014 a stable decreasing trend in BOD 5 and concentrations of ammonium in rivers was tracked up to 2011, followed by slow increase of the mean BOD5. Water pollution in rivers is result of inefficient treatment of urban and industrial wastewaters in the country.

Methodology: Determination of BOD5 (biochemical oxygen demand in 5 days) is carried out by iodometric method, based on an assessment of the amount of oxygen dissolved in water by keeping the sample for 5 days in an incubator, where it is maintained a temperature of 200 C, mgO2 / l.

Reporting obligations: Convention on the Protection and Use of Transboundary Watercourses and International Lakes (Helsinki, 17 March, 1992), Danube River Protection Convention (Sofia, 29 June, 1994).

Date și Resurse

-  **Figure 1 Mean Biochemical oxygen demand by rivers** [Explorează](#)
Mean Biochemical oxygen demand, by rivers
-  **Figure 2 Mean concentration of Ammonium (NH4) by ...** [Explorează](#)
Mean concentration of Ammonium (NH4), by rivers
-  **Figure 3 Mean concentration of BOD by monitoring ...** [Explorează](#)
Mean concentration of BOD by monitoring stations on Dniester river
-  **Figure 4 Mean concentration of Ammonium by ...** [Explorează](#)
Mean concentration of Ammonium by stations on Dniester river

BOD BOD5 ammonium fresh water

Informație Adițională

Cîmp	Valoare
Maintainer	Natalia Zgircu
Date noi	da
Frecvența de actualizare	anual
Instituția sau direcția responsabilă	State Hydrometeorological Service

[Autentificare](#) sau [înregistrare](#) pentru a posta comentarii

Ukraine_SEIS self-assessment

Theme: Air and Water: Site of the Central Geophysical Observatory named after Boris Sreznevsky (no link provided)

<http://cgo-sreznevskiy.kiev.ua/index.php?lang=en&dv=main>



CENTRAL GEOPHYSICAL OBSERVATORY named after Boris Sreznevsky
26 Лютого 2019
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CGO

About Boris Sreznevsky

departments

network

services

Publications

meteorology

climatology

hydrology

pollution data

Monitoring of air pollution in Kiev (daily)

Statistical indicators for alignment. Generalized hydrohimichni indicators

ecological status of water bodies of Kyiv region

hydrobiological indicators

state of pollution in Kyiv and Kyiv region (monthly)

status of environmental pollution in Ukraine

radioecology

normative and methodical basis

useful references

Спостереження за забрудненням атмосферного повітря в м. Києві

У м. Києві систематичні спостереження за вмістом шкідливих речовин в атмосферному повітрі проводяться на 16 стаціонарних постах (ПСЗ) з періодичністю відбору проб 6 днів на тиждень, 3-4 рази на добу. Визначається 21 забруднювача домішка. На сторінці дається інформація про стан забруднення атмосферного повітря по двох стаціонарних постах:

№ 7 (Бессарабська площа)

Дата	Строк відбору	Концентрація забруднювальних речовин, мкг/м³							
		Завислі речовини	Діоксид сірки	Оксид вуглецю	Діоксид азоту	Фтористий водень	Хлористий водень	Формальдегід	
2019.02.26	01		0.082			0.001		0.003	
2019.02.26	07	0.017		1.4		0.002	0.006	0.005	
2019.02.26	13								
2019.02.26	19								
2019.02.25	01		0.085		0.08	0.001		0.002	
2019.02.25	07	0.17		1.3		0.002	0.043	0.002	
2019.02.25	13		0.095		0.17	0.003		0.004	
2019.02.25	19	0.17		2.0		0.003	0.047	0.005	
2019.02.23	01		0.081		0.06	0.001		0.002	
2019.02.23	07	0.16		1.43		0.002	0.020	0.000	
2019.02.23	13		0.090		0.16	0.003		0.004	
2019.02.23	19	0.17		1.8		0.002	0.067	0.005	
2019.02.22	01		0.081		0.05	0.001		0.002	
2019.02.22	07	0.17		1.8		0.002	0.026	0.005	
2019.02.22	13		0.094		0.06	0.002		0.005	
2019.02.22	19	0.16		1.9		0.002	0.036	0.007	
2019.02.21	01		0.078		0.05	0.001		0.000	
2019.02.21	07	0.17		2.1		0.002	0.034	0.002	
2019.02.21	13		0.092		0.19	0.003		0.005	
2019.02.21	19	0.17		2.3		0.002	0.042	0.006	
2019.02.20	01		0.075		0.07	0.001		0.002	
2019.02.20	07	0.17		2.4		0.002	0.019	0.003	
2019.02.20	13		0.089		0.09	0.003		0.005	
2019.02.20	19	0.17		2.9		0.003	0.066	0.007	
2019.02.19	01		0.071		0.14	0.001		0.000	
2019.02.19	07	0.17		1.4		0.002	0.047	0.002	
2019.02.19	13		0.074		0.12	0.002		0.004	
2019.02.19	19	0.14		3.0		0.002	0.062	0.005	

№ 20 (Московська площа)

Дата	Строк відбору	Концентрація забруднювальних речовин, мкг/м³							
		Завислі речовини	Діоксид сірки	Оксид вуглецю	Діоксид азоту	Оксид азоту	Фтористий водень	Аміак	Формальдегід
2019.02.26	01		0.076		0.04	0.01	0.001		0.000
2019.02.26	07	0.07	0.08	1.2		0.001	0.00	0.003	
2019.02.26	13								
2019.02.26	19								
2019.02.25	01		0.080		0.06	0.03	0.001		0.002
2019.02.25	07	0.14	0.085	1.3	0.06	0.04	0.002	0.00	0.004

CGO news

18.02.2019 Цьогорічна зима відзначилася першим весняним температурним рекордом у Києві. За даними спостережень метеостанції Центральної геофізичної обсерваторії імені Бориса Срезневського

01.02.2019 Погодні підсумки типового зимового січня у столиці. За даними спостережень метеостанції Центральної геофізичної обсерваторії імені Бориса Срезневського

31.01.2019 З глибоким сумом та скорботою сповіщаємо про смерть Бенди Броніславни Федорівни. З глибоким сумом та скорботою сповіщаємо про смерть Бенди Броніславни Федорівни &

02.01.2019 Кліматологи Центральної геофізичної обсерваторії імені Бориса Срезневського підвели погодні підсумки 2018 року у столиці. Середньорічна температура зимового року у Києві становила +9,5°C, що на 1,8°C перевищує клім.

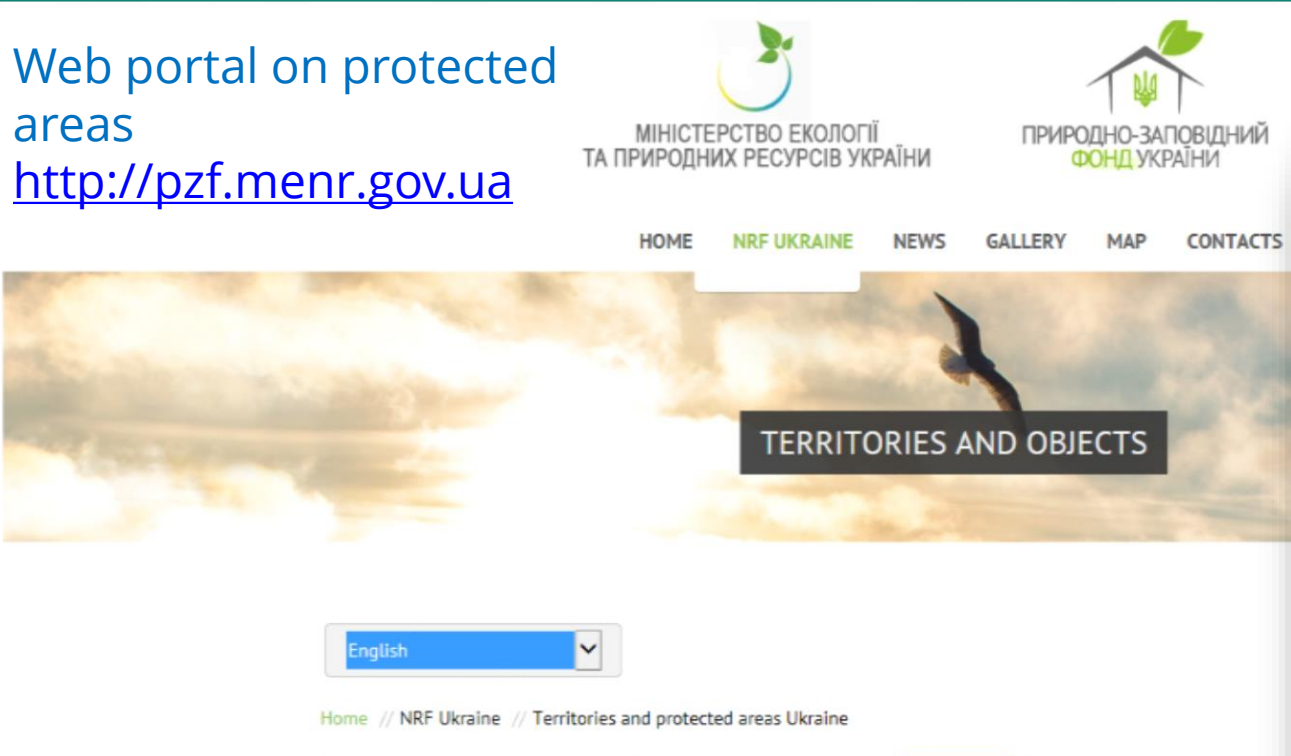
02.01.2019 Цьогорічний грудень у столиці, на відміну від попередніх, виявився типово зимовим місцем. За даними спостережень метеостанції Центральної геофізичної обсерваторії імені Бориса Срезневського

European Environment Agency

Ukraine_SEIS self-assessment

Web portal on protected areas

<http://pzf.menr.gov.ua>

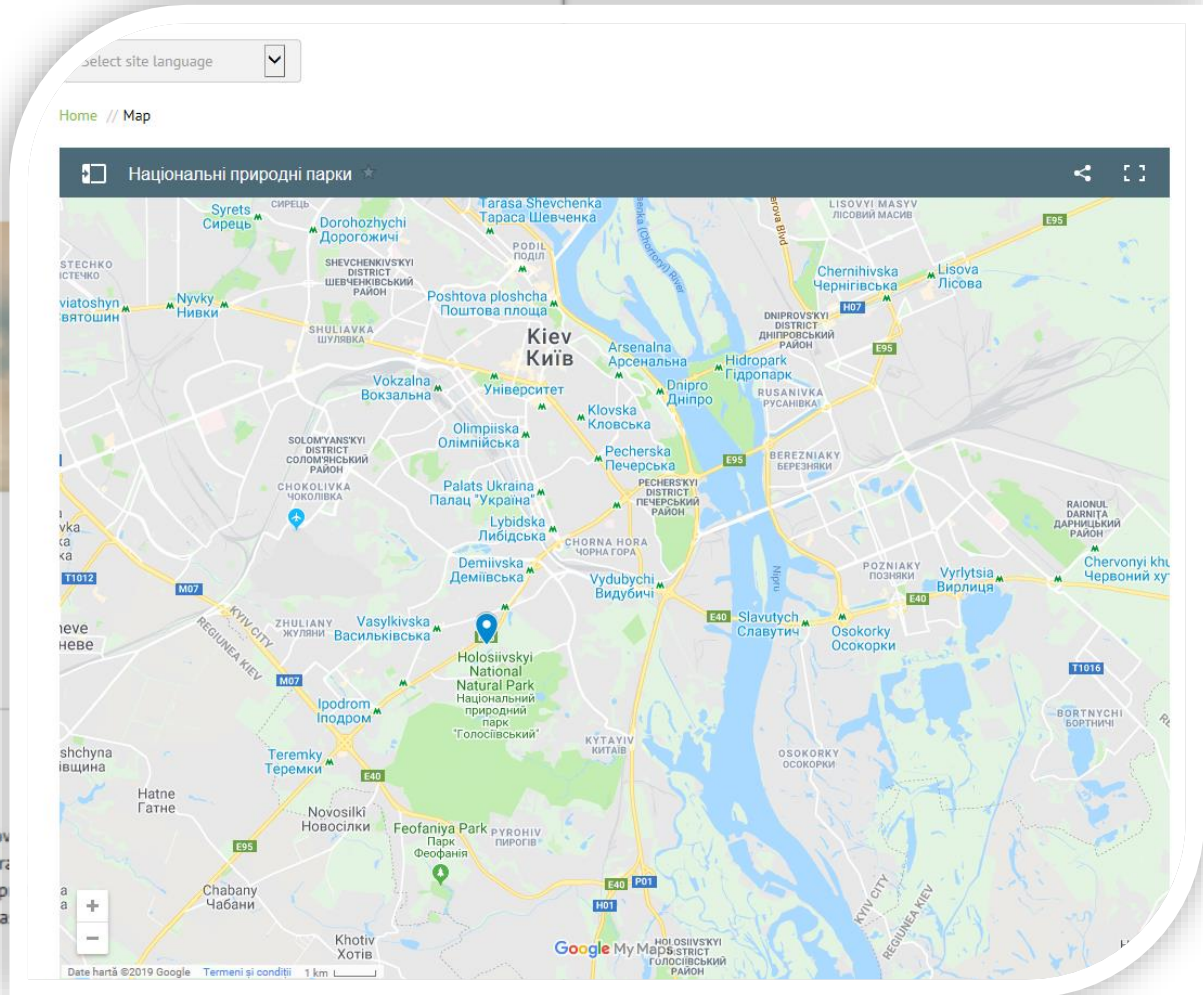


THE SYSTEM OF PROTECTED AREAS

The main functions of protected areas are: maintaining or increasing the area of certain species; maintaining or improving genetic exchange of certain species; restore the quality of habitat; protection of species that are endangered, vulnerable; maintaining or improving hydrological functions; maintaining or improving environmental quality; control erosion; providing community support in areas contaminated by radiation; and ensuring the relationship with neighboring cross-border areas.

State Cadastre Territories and objects of natural reserve fund UKRAINE

The results of these accounting areas and objects of natural reserve fund submitted by executive bodies at the local level to ensure implementation of the state policy in the field of environmental protection, as of 01/01/2018 Nature Reserve Fund of Ukraine incorporates 8296 site and objects with total area of 4.318 million hectares within the territory of Ukraine (3.985 million hectares actual area) and 402,500.0 ha within the Black sea.





I. Cooperation

[2 questions]

- *Institutional and organizational arrangements [legislation, programs, strategies, and legal or institutional arrangements]*

D24. Are there national legislation, plans, programmes or strategies in place related to the production of the data flow?

If the answer to this question is yes, please specify.

1. Legislation

- *Law (Act) on Environment Protection, "On the Protection of Atmospheric Air";*
- *Law on State Protected Natural Areas Fund*
- *Water Law*
- *Regulation on monitoring systematic evidence of the surface and ground waters; Regulation on surface water environmental quality requirements*
- *Law on Official Statistics*
- *Law on Hydrometeorological Activity*

2. Strategy/Plan/Programme (Period covered)

- *National Environmental Monitoring System*
- *National Environmental Strategy (e.g. until 2025)*
- *"Environmental Protection and Sustainable Use of Natural Resources" for 2016–2020*
- *Strategy for the Development of the National Statistical System 2016-2020 and the **Action Plan** for its Implementation*
- *Strategy for the implementation of EU compliant air quality monitoring and management (draft)*
- *Annual environmental pollution monitoring programme*
- *Annual plan of water monitoring/of air monitoring*
- *Strategy on Biological Diversity (e.g. years 2015-2020)*
- *Plan of Statistical Works (annually approved by Government)*

D25. Are there any legal or institutional arrangements for regular production and sharing of data between various institutions at national level in place? *If the answer to this question is yes, please specify.*

- *Institutional arrangements*
- *Departmental orders for the transfer of information*
- *Regulation of the National Environmental Agency*

- *Agreement on information interaction between the National Statistical Committee and the Ministry of Natural Resources and Environmental Protection*
- *Order of collaboration between the Ministry of Agriculture, Regional Development, Environment and the National Bureau of Statistics*
- *A memorandum of understanding (MoU) between the Ministry of Environmental Protection and Agriculture and the National Statistics Office*

- *The data is placed on the official web page of the Ministry of Ecology and Natural Resources on an hourly basis as well as daily bulletins are submitted to the relevant state authorities*
- *The data is placed on the official web page of the State Statistical Committee as well as 10 days bulletins are submitted by the Ministry of Ecology and Natural Resources to the relevant state authorities*
- *The data is placed on the official web page of the Ministry of Ecology and Natural Resources and State Statistical Committee*

Country: *"There are national arrangements for data sharing/validation/improvement of methodology or reporting process, through regular exchanges between actors (Ministry, Agencies, data producers), even if they are not always written in legally binding text."*



Thank you for your attention,

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