
UNECE Guidelines for the Application of Environmental Indicators for Belarus

Ekaterina Novitskaya
Belstat

JTF on Environmental Statistics and Indicators, 18th session
(UNECE, Geneva, 18-19 October 2021)



Belstat: Environmental report, analysis or assessment

Four new SEIS indicators have been developed in accordance with the **UNECE Guidelines for the Application of Environmental Indicators** and published on the Belstat website:

C7. Water losses (for 1990 - 2020)

C9. Drinking water quality (for 2016 - 2020)

F1. Irrigation (for 1990 - 2020)

I3. Waste reuse and recycling (for 2010 - 2020)

<https://www.belstat.gov.by/ofitsialnaya-statistika/makroekonomika-i-okruzhayushchaya-sreda/okruzhayushchaya-sreda/sovmestnaya-sistema-ekologicheskoi-informatsii2/>

SEIS Indicators on the Belstat website

A. Air pollution and ozone depletion	3 / 3
B. Climate change	3 / 3
C. Water	12 / 14
D. Biodiversity	3 / 6
E. Land and soil	1 / 2
F. Agriculture	2 / 4
G. Energy	6 / 6
H. Transport	2 / 4
I. Waste	3 / 4

Platform for SEIS indicators on Belstat website

<http://www.belstat.gov.by/en/ofitsialnaya-statistika/macroeconomy-and-environment/okruzhayuschaya-sreda/the-shared-environmental-information-system/>

	A	B	C	D	E	F	G	H
1	Indicator:							
2	D1 – Protected areas							
3	2001–2020							
4								
5	Brief description:							
6	a part of the territory of Belarus with the unique, etalon or other valuable natural complexes and features of a special ecological, scientific and/or aesthetic value in respect to which special protection and use regulations are established;							
7	the area of nature reserves, national parks, refuges, natural landmarks, and share of protected areas in total country area are presented for Belarus as a whole and by regions							
8								
9	Data source:							
10	the register of protected areas of the Republic of Belarus;							
11	the data producer is the Ministry of Natural Resources and Environmental Protection of the Republic of Belarus							
12								
13	Relevance of the indicator:							
14	the indicator demonstrates the extent to which areas important for conserving biodiversity, cultural heritage, scientific research, recreation, natural resource maintenance and other environmental values are protected							

L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
за 2001-2020 гг., Таблица D-1a. Особо охраняемые природные территории: Беларусь														
на 27.04.2021														
006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
7 600	207 600	207 600	207 600	207 600	207 600	207 600	207 600	207 600	207 600	207 600	207 600	207 600	207 600	207 609
Национальные категории особо охраняемых природных территорий														
261	15 777	15 758	15 957	15 951	15 919	15 700	16 155	17 227	18 256	17 987	18 116	18 615	18 701	18 791
109	809	809	809	809	809	852	852	852	852	852	852	852	861	861
000	4 000	4 000	4 000	4 000	4 000	3 907	3 907	3 902	3 902	3 903	3 897	3 897	3 895	3 895
287	10 803	10 811	11 005	10 998	10 944	10 768	11 242	12 320	13 362	13 092	13 226	13 726	13 811	13 903
65	165	138	143	144	166	173	154	153	140	140	141	140	135	133
3,3	7,6	7,6	7,7	7,7	7,7	7,6	7,8	8,2	8,8	8,7	8,7	8,9	9,0	9,0

/сб.

one by one

A	B	C
ID	Indicator name (current)	Comments
Environmental conditions and quality		
Physical Conditions		
Atmosphere, climate and weather		
B-1.1	Average annual deviations from average temperature (in country, in capital, second major city, area or region)	agree
B-1.2	Annual average temperature (in country, in capital, second major city, area or region)	agree
B-1.3	Maximum monthly average temperature (in country, in capital, second major city, area or region)	agree
B-1.4	Minimum monthly average temperature (in country, in capital, second major city, area or region)	agree
B-2.1	Annual deviation from the average precipitation (in country, in capital, second major city, area or region)	agree
B-2.2	Annual precipitation (in country, in capital, second major city, area or region)	agree
B-2.3	Maximum monthly precipitation (in country, in capital, second major city, area or region)	agree
B-2.4	Minimum monthly precipitation (in country, in capital, second major city, area or region)	agree

1	ID	Indicator name (current)	Comments
13	B-2.5	Percentage of land area suffering from unusually wet or dry conditions (Standard Precipitation Index)	not applicable for Belarus
14	B-2.6	Occurrence of extremes of temperatures and precipitation	not applicable for Belarus
15	Soil characteristics		
16	E-2.1	Agricultural area affected by water erosion	agree
17	E-2.2	Agricultural area affected by wind erosion	agree
18	E-2.4	Proportion of land that is degraded over total land area (SDG indicator 15.3.1)	agree
19	E-3.1	Progress in management of contaminated sites	? methodology
20	Land cover, ecosystems and biodiversity		
21	Ecosystems and biodiversity		
22	D-1.1	Share of total protected areas (categories of the International Union for the Conservation of Nature) in the country area	agree
23	D-1.2	Share of total protected areas (national categories) in the country area	agree

ID	Indicator name (current)	Comments
D-1.3	Coverage of protected areas in relation to marine areas (SDG indicator 14.5.1)	not applicable for Belarus
D-1.4	Average % of marine Key Biodiversity Areas protected in a country's territorial waters (SDG indicator 14.5.1)	not applicable for Belarus
D-1.5	Proportion of important sites for terrestrial and freshwater biodiversity that are covered by protected areas, by ecosystem type (SDG indicator 15.1.2)	? Ecosystem
D-4.1	Share of species protected (mammals, birds, fishes, reptiles, amphibians, invertebrates, vascular plants, mosses, lichens, fungi, algae)	Compare
D-4.2	Share of species threatened (mammals, birds, fishes, reptiles, amphibians, invertebrates, vascular plants, mosses, lichens, fungi, algae)	Compare
D-4.4	Red List Index (SDG indicator 15.5.1)	not calculated
D-2.2	Conservation status of habitats under the EU Habitats Directive	not calculated
D-2.3	Ecosystem coverage	not calculated
Forests		
D-3.1	Forest area as a proportion of total land area (SDG indicator 15.1.1)	agree
D-3.2	Share of other wooded land in country area	agree
D-3.8	Forest fires	
D-3.9	Forest deadwood	

A	B	C
ID	Indicator name (current)	Comments
Emissions of greenhouse gases (GHGs)		
B-3.1	Aggregated GHG emissions per capita	agree
B-3.2	Aggregated GHG emissions per square kilometre	agree
B-3.3	Aggregated GHG emissions per unit of GDP	summary B 3.8 - B 3.14
B-3.4	Aggregated GHG emissions by sectors (Energy, Industrial Processes, Solvent and Other Product use, Agriculture, Land use and forestry, Waste)	agree
B-3.5	Aggregated GHG emissions (CO2 equivalents)	agree
B-3.6	Aggregated GHG emissions including emissions/removals from LULUCF (CO2 equivalents)	agree
B-3.7	CO2 emission per unit of value added (SDG indicator 9.4.1)	agree
B-3.8	Total greenhouse gas emissions from the national economy	
B-3.9	Total greenhouse gas emissions from the national territory	
B-3.10	Greenhouse gas emissions from land use change (LULUCF)	
B-3.11	CO2 emissions from fuel combustion within the national territory	
B-3.12	Total greenhouse gas emissions from production activities	
B-3.13	Greenhouse gas emission intensity of production activities	
B-3.14	Direct greenhouse gas emissions from households	
B-3.15	Net emissions/removals of carbon dioxide by forest land	
A-1.1	Emissions of sulphur dioxide per capita	agree
A-1.2	Emissions of sulphur dioxide per square kilometre	agree
A-1.3	Emissions of sulphur dioxide per unit of GDP	agree
A-1.4	Emissions of nitrogen oxides per capita	agree
A-1.5	Emissions of nitrogen oxides per square kilometre	agree
A-1.6	Emissions of nitrogen oxides per unit of GDP	agree
A-1.7	Emissions of non-methane volatile organic compounds (NMVOC) per capita	agree
A-1.8	Emissions of non-methane volatile organic compounds (NMVOC) per square kilometre	agree
A-1.9	Emissions of non-methane volatile organic compounds (NMVOC) per unit of GDP	agree
A-1.10	Share of sulphur dioxide emissions from stationary or mobile sources	agree
A-1.12	Share of NMVOCs emissions from stationary or mobile sources	is equal to A 1.15
A-1.13	Share of ammonia emissions from stationary or mobile sources	only from stationary
A-1.15	Share of hydrocarbons emissions from stationary or mobile sources	is equal to A 1.12

Thank you for your attention!

Ekaterina Novitskaya

Head of Environment Statistics Unit

National Statistical Committee of the Republic of Belarus

Tel.: +375 17 317 66 58

E-mail: e.s.novitskaya@gmail.com