

On-line event | Thursday, June, 25, 2020 | *Ekaterina Poleshchuk, Maryna Kalinovik*

Concluding event
of the ENI SEIS II East project
Key Results
Belarus



Words of Gratitude

Galina Georgieva, Jana Tafi, Nihat Zal, Victoria Goncharova, Adriana Gheorghe, Joanna Laval Karlsen, Jean-Nicolas Poussart, David Stanners, Jasmina Bogdanovic, Pia Schmidt, Sylvia Baslarova, Andreas Littkopf and many others

Together with **dear colleagues from Armenia, Azerbaijan, Georgia, the Republic of Moldova and Ukraine**

Water, Biodiversity, Air quality, Waste, Land Cover, SOER, SEEA, Communications, as well as supporting our participation in international meetings

The ENI SEIS II East project (2016-2020) was a great knowledge platform!



E. Poleshchuk, Copenhagen, June, 2018



European Environment Agency



Subproject on the filling of the UNSD / UNEP Questionnaire 2016 on Waste (2016-2017)

Together with experts *Wim van Breusegem* and *Jürgen Gonser*

During the project, specialists from Belstat, Ministry of Natural Resources and Environmental Protection, as well as Ministry of Housing and Utilities worked together, resulting in an improved UNSD / UNEP Questionnaire 2016.

Today:

- Quality of the filling of the UNSD / UNEP Questionnaire improved
- Belstat began to coordinate activities to filling the UNSD / UNEP Questionnaire in Belarus since 2018
- Time series for waste from the UNSD / UNEP Questionnaire were harmonised with SEIS indicators I1 and I2 on the Belstat website



E. Poleshchuk, Sporovsky Reserve, Belarus, October, 2018



Water: Pilot on Water accounts

During the pilot:

- Work on the formation of **physical flow accounts for water for 2016-2018** in Belarus are completed
- Water abstraction efficiency and intensity indicators for 2016–2018 are calculated
- Sankey diagrams for 2016–2018 are built
- Results are presented on the website of Belstat (in Russian since October, 2019; in both languages (Russian and English) since October, 2020)

Today:

Since 2020, Belstat will annually compile and publish physical water flow accounts, what is reflected in the Statistical work program for 2020.

PHYSICAL FLOW ACCOUNTS FOR WATER IN THE REPUBLIC OF BELARUS for 2016 - 2018

The priority for the formation of SEA is reflected in the Strategy for the Development of State Statistics of the Republic of Belarus for the period until 2022.

In the course of work on physical flow accounts for water from 2017 to 2019:

- ✓ Interdepartmental Working Group on the implementation of SEA-water in Belarus was created
- ✓ Methodological provisions for the formation of a physical flow account for water were prepared
- ✓ The methodological provisions include general provisions for the formation of the account, basic concepts, terms and their definitions, the general procedure for filling out the tables
- ✓ Methodology for the formation of a physical flow account for water was prepared in accordance with the SEA Central Framework (202)
- ✓ Physical flow accounts for water were formed for 2016 - 2018, the results are presented on the Belstat website

Main indicators for physical flow accounts for water

	2016	2017	2018
Water abstraction from the environment	1 475.5	1 477.2	1 477.7
of which:			
surface water	832.3	862.2	861.1
groundwater	643.2	615.1	616.6
Discharged and used of abstracted water	1 286.5	1 286.5	1 284.8
Wastewater in treatment facilities	687.5	688.0	684.1
Water discharged to the environment	1 268.1	1 286.2	1 264.5
of which:			
to the environment	1 266.9	1 285.3	1 265.4
of which:			
surface water	890.2	903.3	897.0
groundwater	176.7	182.0	168.3
to the environment	67.6	57.9	57.8
to the environment (with water use)	648.5	542.8	568.0
to other sources	16.2	20.9	16.1
Water incorporated into products	399.4	370.0	341.2

Physical flow account for water in 2018

Water abstraction from the environment - 1 477.7 mln. cu. m

Return flow of water to the environment - 1 264.5 mln. cu. m

Water abstraction from surface water - 861.1 mln. cu. m

Water abstraction from groundwater - 616.6 mln. cu. m

Water incorporated into products - 341.2 mln. cu. m

Water consumed in economic activity including losses and unaccounted water consumption - 543.0 mln. cu. m

Discharged and used of abstracted water - 1 284.8 mln. cu. m

Wastewater and technical water discharged without pre-treatment to the environment - 237.8 mln. cu. m

Wastewater discharged after treatment to the environment - 684.1 mln. cu. m

Physical flow account for water by economic activity in 2018

Water consumption in economic activity - 543.0 mln. cu. m

Water incorporated into products - 341.2 mln. cu. m

Water discharged to the environment - 1 264.5 mln. cu. m

Water abstraction efficiency

	2016	2017	2018
Water abstraction efficiency calculated by gross domestic product by PPP (USD per cubic meter)	115.8	125.7	133.3
Water abstraction efficiency calculated by gross value added in constant prices 2016, kWh per cubic meter	117.7	130.3	141.5
of which:			
agriculture, forestry and fishing (section A, NACE Rev.2)	95.3	95.8	95.8
mining (section B, NACE Rev.2)	23.1	18.9	16.3
manufacturing (section C, NACE Rev.2)	96.8	106.9	114.6
construction (section E, NACE Rev.2) and its construction works (section F, NACE Rev.2)	94.1	176.1	181.3
energy production, transport and distribution and renewable activities (sections G, H, I, NACE Rev.2)	12.1	13.1	13.1
construction (section F, NACE Rev.2)	114.5	115.4	116.4
other industries (sections G-S, NACE Rev.2)	137.3	152.6	167.9

Water abstraction (use) intensity

	2016	2017	2018
Renewable freshwater resources			
in total, km ³	42.4	42.2	42.2
per capita, 1000 litres per day	60.4	57.4	57.4
Water exploitation			
percentage	3.5	3.5	3.5
litre per capita per day	424.6	424.6	424.6
Water abstraction from the environment			
percentage	2.3	2.3	2.3
litre per capita per day	408.8	408.8	408.8
Water abstraction from the environment			
percentage	2.6	2.6	2.6
litre per capita per day	406.7	406.7	406.7

National Statistical Committee of the Republic of Belarus
www.belstat.gov.by
#StatBel100
#СтатистикаБеларуси100

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ENI SEIS II EAST Project



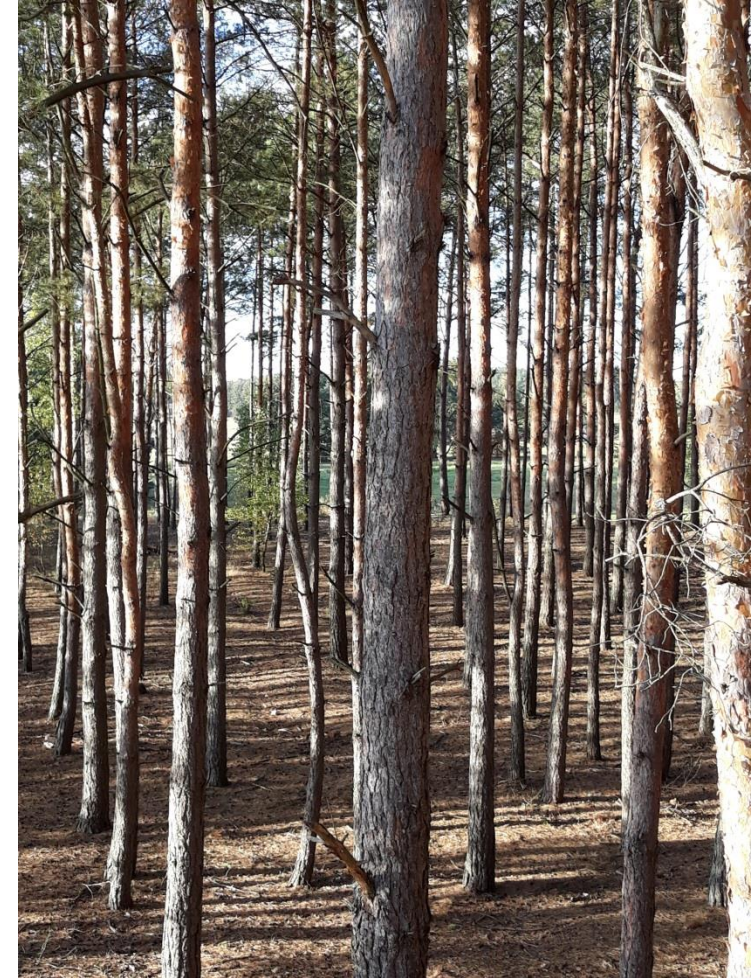
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The Ministry of Natural Resources and Environmental Protection of the Republic of Belarus produces and publishes the State of Environment Report of the Republic of Belarus **every 4 years**.

During the project:

- Together with colleagues from Slovak Republic, a roadmap has been prepared as a starting point for the **State of Environment Report of the Republic of Belarus, 2019**
- SOER for Belarus for 2015-2018 was prepared in 2019 (in Russian only) using European practice
- SOER for Belarus, 2019 includes all nationally available SEIS indicators:
 - Air Pollution and Ozone Layer depletion; Climate Change; Water Resources; Biodiversity; Land Resources; Agriculture; Energy; Transport; Industry and Construction; Waste



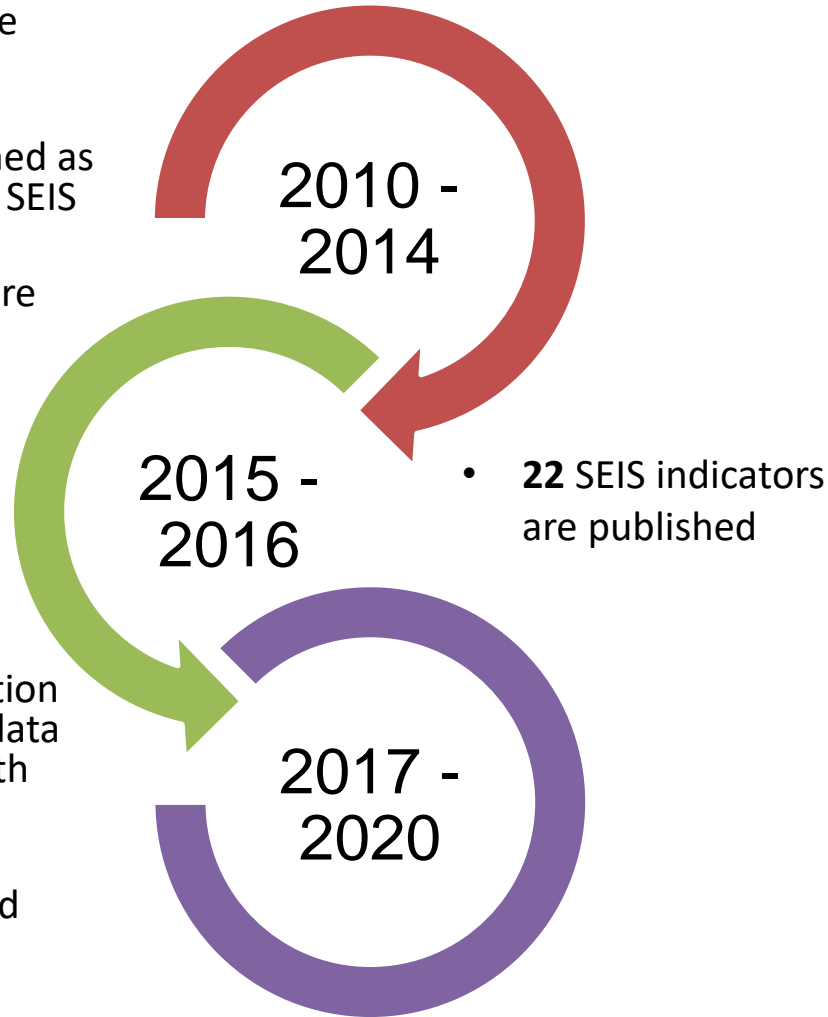
E. Poleshchuk, Sporovsky Reserve, Belarus, October, 2018



SEIS Indicators

- Basic environmental indicators system of the Republic of Belarus is approved
- Belstat website is defined as a national platform for SEIS indicators
- First **5** SEIS indicators are published

- **31** SEIS indicators are published
- SEIS indicators publication format is revised: the data tables were aligned with the UNECE recommendations
- Metadata are expanded for each indicator



Work on SEIS indicators is reflected in the *Statistical work program for 2020*, as well as in the *Plan on work with users* (with the timing of publication of each indicator).

Development of SEIS indicators will contribute to the final progress review of SEIS for the Environment for Europe Ministerial Conference, 2021.

*Focal point for the final progress review of SEIS from Belarus: **Marina Kalinovik**, a consultant of the General Directorate of Environmental Policy, International Cooperation and Science of the Ministry of Natural Resources and Environmental Protection.*



Warm regards and best wishes from the Belarusian team:

Ekaterina Poleshchuk, Alena Kaminskaya, Maryna Kalinovik, Halina Shyla, Katsiaryna Navitskaya, Veronika Zhosan, Elena Bogodiazh, Ekaterina Vasilenok, Polina Palchek, Aliaksandr Pakhomau, Ivan Narkevitch, Viktoria Konkova, Natalya Lanets, Natalya Sviridovich, Maksim Koloskov, Irina Samusenko, Marina Belous, Julia Aniskova



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