

NATIONAL STATISTICAL COMMITTEE OF THE REPUBLIC OF BELARUS

ENVIRONMENTAL PROTECTION IN THE REPUBLIC OF BELARUS

Short data book

MINSK 2022

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The Short data book provides information on the state of the environment, availability and use of natural resources, and environmental expenditure.

The publication presents green growth indicators and selected environmental indicators of the National list of Sustainable Development Goals indicators.

The information on types of economic activity is given in accordance with the National Classifier of the Republic of Belarus OKRB 005-2011 "Types of economic activity".

Data in value terms are provided at current prices.

In certain cases data for 2021 are provisional and will be revised in further issues. Relative indicators are calculated on the basis of absolute figures with smaller units of measure. In certain cases minor discrepancies between the total and the sum of its components can be explained by data rounding.

A brief glossary of statistical terms is available on the Belstat website at <u>https://www.belstat.gov.by/metodologiya/kratkiy-glossariy-statisticheskikh-terminov/</u> (in Russian only).

The methodologies for environmental statistics are available on the Belstat website at https://www.belstat.gov.by/metodologiya/metodiki-po-formirovaniyu-i-raschetu-statistichesk/ (in Russian only).

More detailed official statistics are available in the Interactive Business Intelligence System for Distribution of Official Statistical Information (dataportal.belstat.gov.by).

ABBREVIATIONS:

m	- metre	f.e	 fuel equivalent 	⁰ C	 degree Celsius
m ³	- cubic metre	kg	- kilogramme	%	- percent
ha	- hectare	t	- tonne	BYN	- Belarusian rubles
km	- kilometre	O ₂	- oxygen	thsd	- thousand
km ²	 square kilometre 	CO ₂	- carbon dioxide	mln	- million
mm	- millimetre				

Explanation of symbols:

- not applicable
- 0.0 negligible magnitude
- ... data not available

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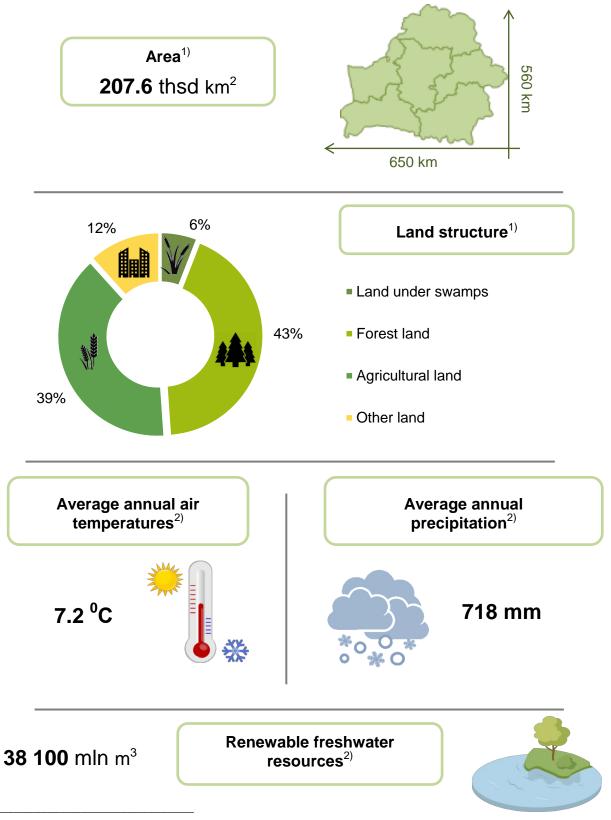
6. Protection of forest resources

Pg.

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¹⁾ Data of the State Committee on Property.

²⁾ Data of the Ministry of Natural Resources and Environmental Protection.

Deepest lake ¹⁾ Dolgoye 53.6	m		est lake ¹⁾ ch 79.6 km ²
	Dnieper 689 km (within country's territory)		gest river ¹⁾
Largest reservoir ¹⁾	Vileyskoye 77 km ² (surface area)		
Forest cover ²⁾			Forest fund ²⁾
40.1%	Triffer's		9 706.9 thsd ha
	Protected areas ¹⁾		
		Number of areas	Total area, thsd ha
Cr St Con	- nature reserves, national parks	5	475.5
	refuges	375	1 400.3
	natural monuments	959	13.5

¹⁾ Data of the Ministry of Natural Resources and Environmental Protection.

²⁾ Data of the Ministry of Forestry.

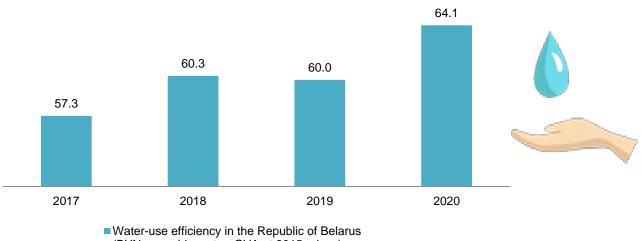
2. NATIONAL SUSTAINABLE DEVELOPMENT GOAL INDICATORS



2.1. Selected indicators of SDG 6. Ensure availability and sustainable management of water and sanitation for all

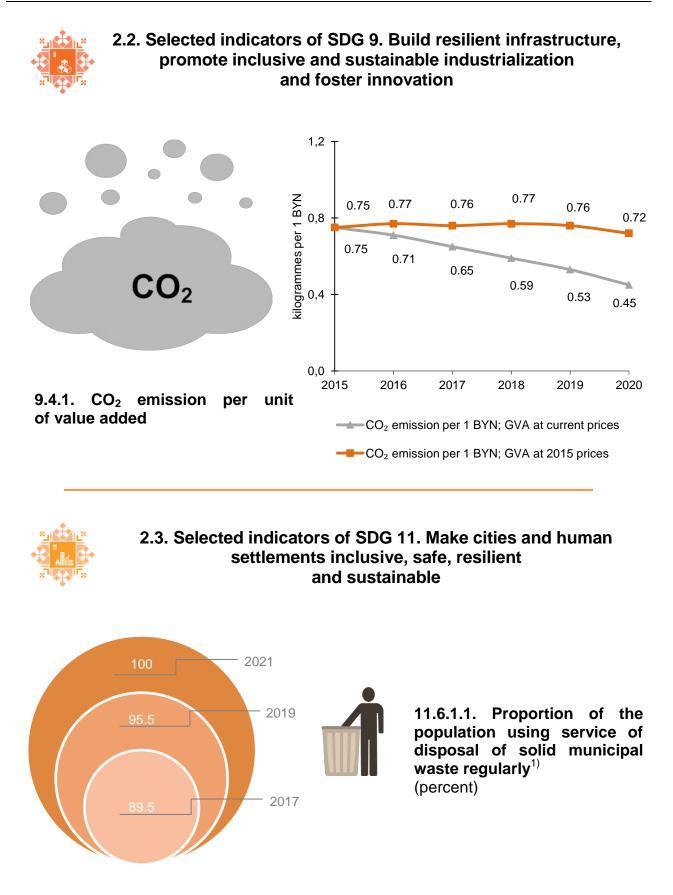
6.3.1. Proportion of domestic and industrial wastewater flows safely treated ¹ (percent)		2017	2018	2019	2020
	Republic of Belarus	99.6	99.6	99.6	99.7
	Brest region	99.8	99.9	99.9	99.9
	Vitebsk region	99.7	100	100	100
	Gomel region	99.9	99.7	99.9	99.9
	Grodno region	99.9	99.9	99.8	99.9
	Minsk city	100	100	100	100
	Minsk region	98.1	98.3	97.8	98.6
	Mogilev region	99.7	99.6	99.9	99.9

6.4.1. Change in water-use efficiency over time



⁽BYN per cubic metre; GVA at 2015 prices)

¹⁾ Data of the Ministry of Natural Resources and Environmental Protection.



¹⁾ Data of the Ministry of Housing and Utilities.

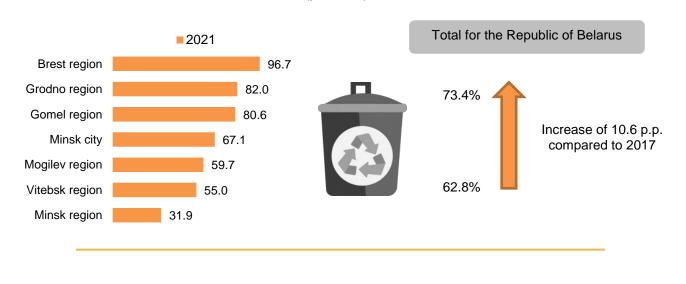


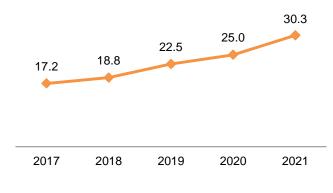
2.4. Selected indicators of SDG 12. Ensure sustainable consumption and production patterns

12.4.2.1. Industrial waste of hazard classes 1 – 3 generated per capita (kilogrammes)



12.4.2.2. Proportion of recovered industrial waste of hazard classes 1-3 in total industrial waste of hazard classes 1-3 generated¹⁾ (percent)





12.5.1.1. Proportion of municipal solid waste recovered in total municipal solid waste generated²⁾ (percent)

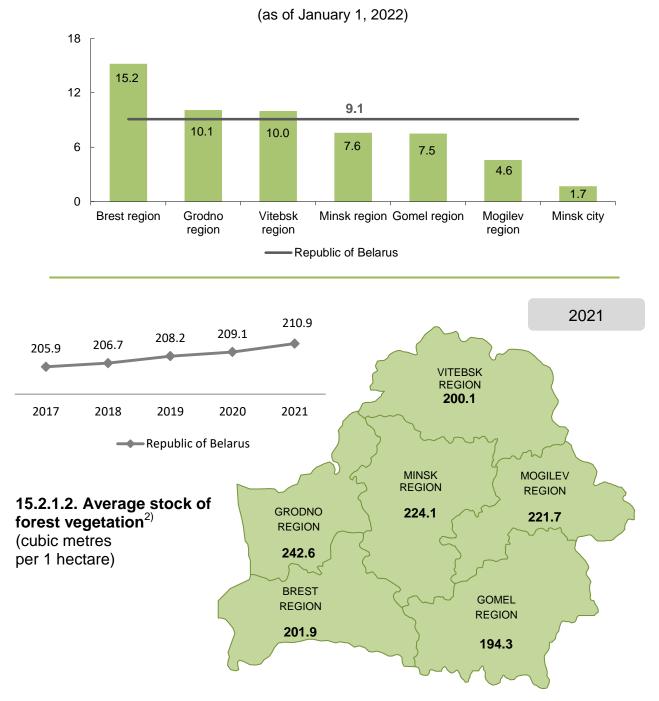
¹⁾ Data of the Ministry of Natural Resources and Environmental Protection. Recovered industrial waste is reflected taking into account partial recovery of previously accumulated waste.

²⁾ Data of the Ministry of Housing and Utilities.



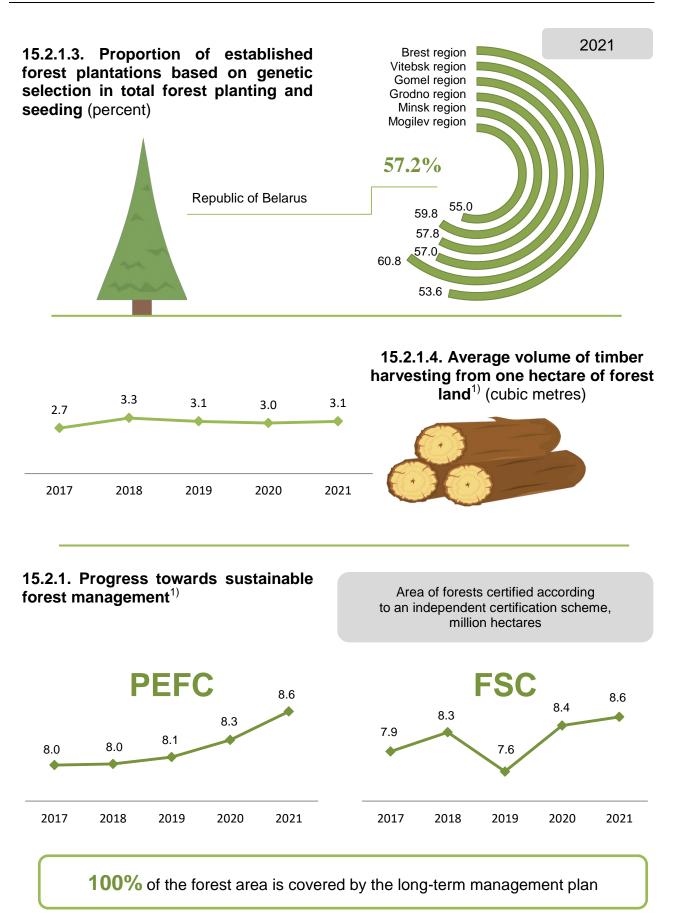
2.5. Selected indicators of SDG 15. Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss

15.1.2.1. Proportion of protected areas in the total area of the country (regions and Minsk city)¹⁾ (percent)

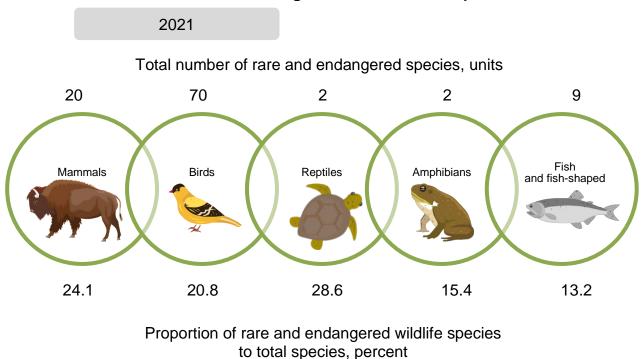


¹⁾ Data of the Ministry of Natural Resources and Environmental Protection.

²⁾ Data of the Ministry of Forestry.



¹⁾ Data of the Ministry of Forestry.

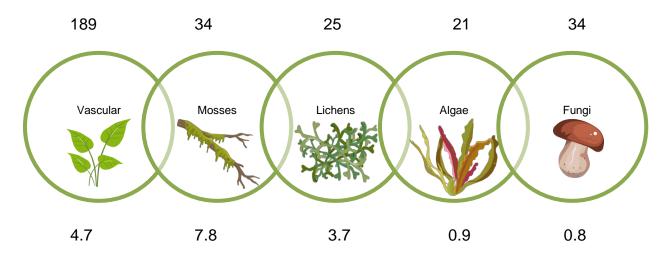


15.5.1.1. Rare and endangered wildlife animal species¹⁾



2021

Total number of rare and endangered species, units

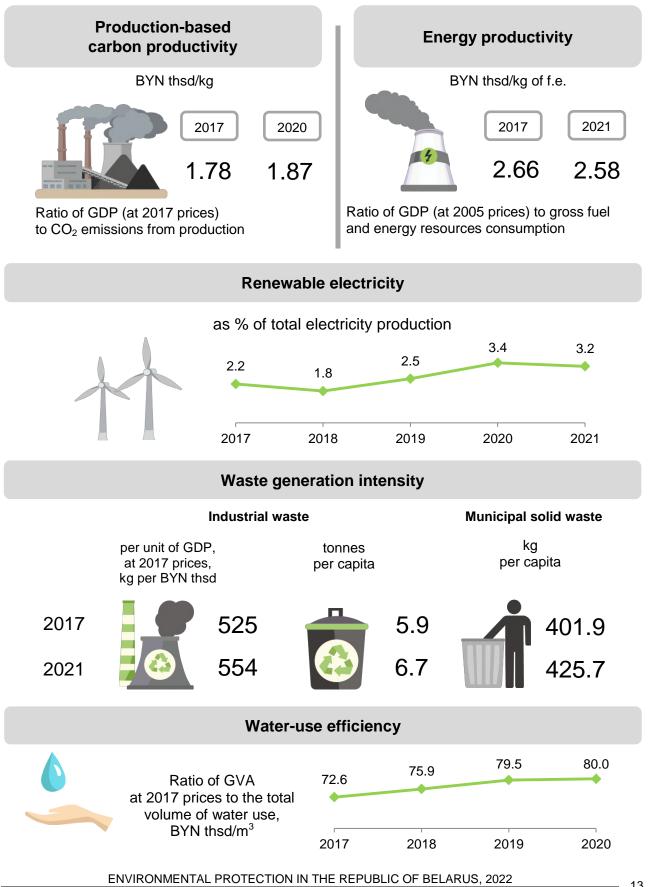


Proportion of rare and endangered wildlife species to total species, percent

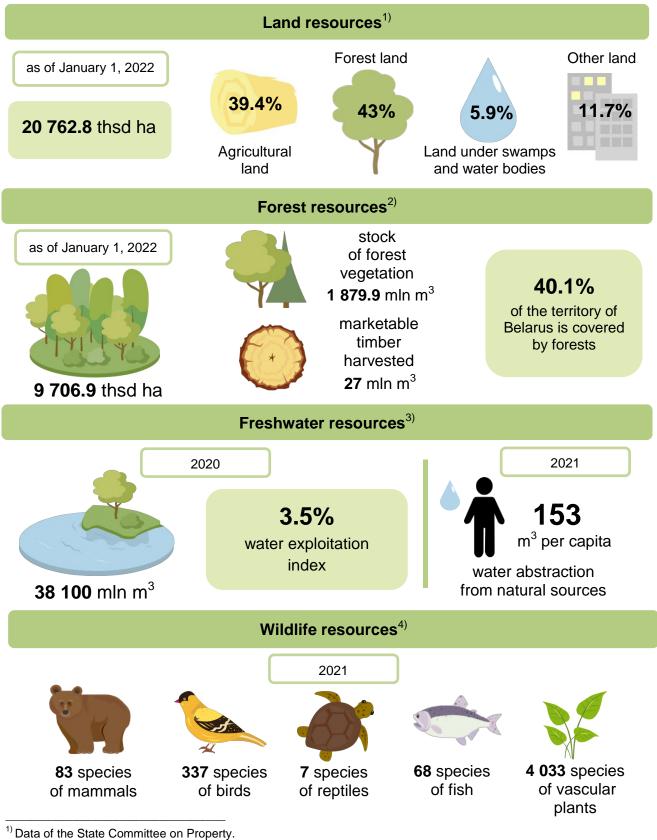
¹⁾ Data of the National Academy of Sciences of Belarus.

3. GREEN GROWTH INDICATORS

3.1. Environmental and resource productivity of the economy



3.2. Natural assets

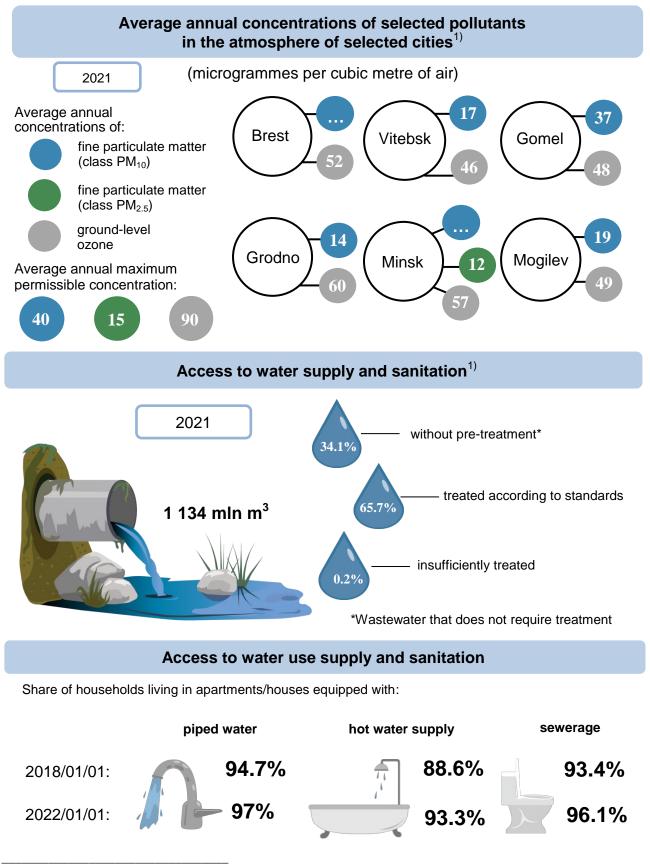


²⁾ Data of the Ministry of Forestry.

³⁾ Data of the Ministry of Natural Resources and Environmental Protection.

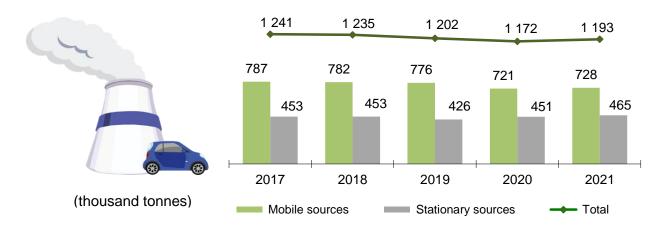
⁴⁾ Data of the National Academy of Sciences of Belarus.

3.3. Environmental quality of life



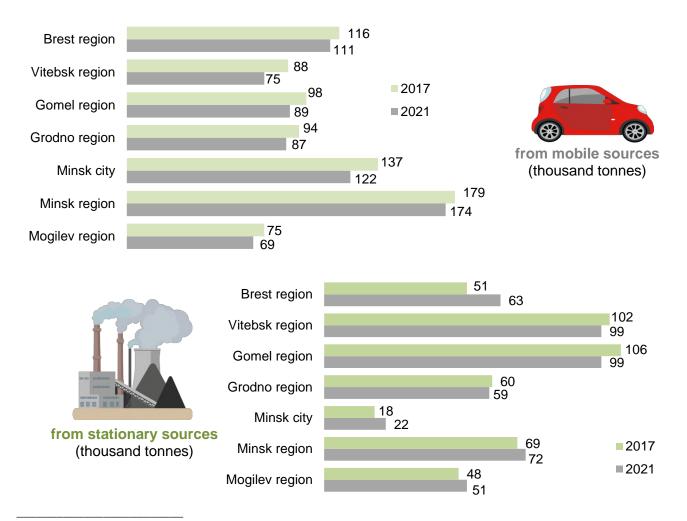
¹⁾ Data of the Ministry of Natural Resources and Environmental Protection.

4. AIR PROTECTION AND CLIMATE CHANGE¹⁾

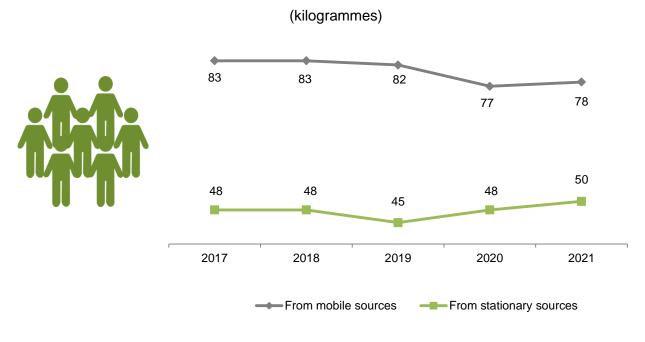


4.1. Dynamics of air polluting emissions from stationary and mobile sources

4.2. Air polluting emissions by regions and Minsk city



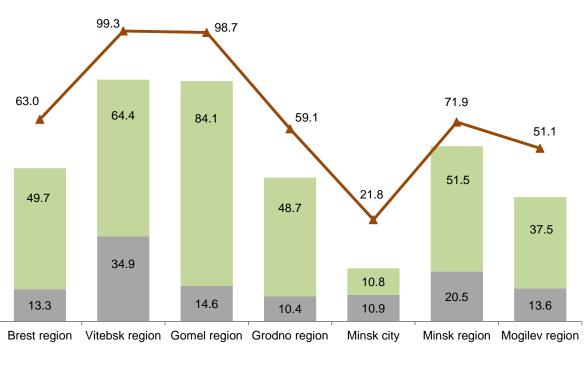
¹⁾ Data of the Ministry of Natural Resources and Environmental Protection.



4.3. Air polluting emissions per capita



(thousand tonnes)

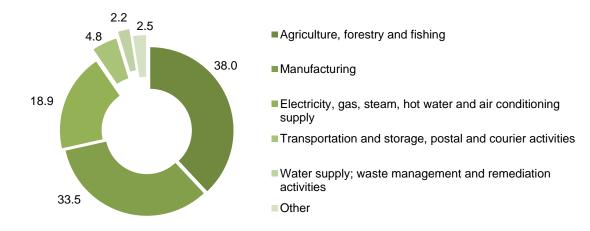


From waste recovery and neutralisation, technological and other processes From fuel combustion

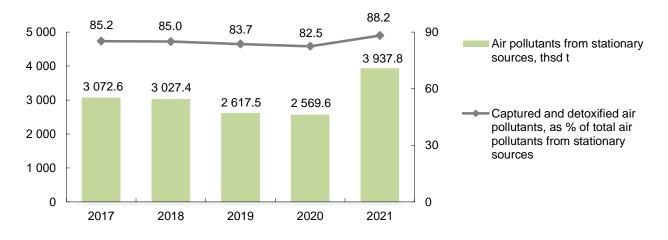
------ Total

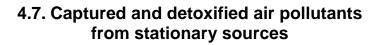
4.5. Structure of air polluting emissions from stationary sources by economic activity in 2021

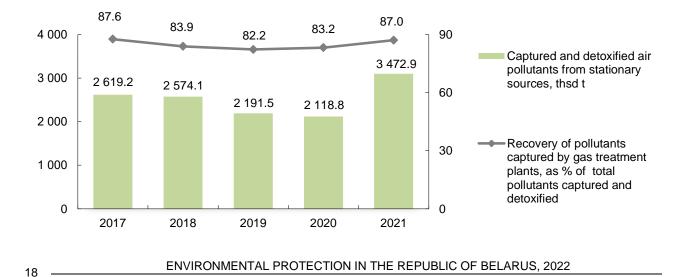
(as percent of total)



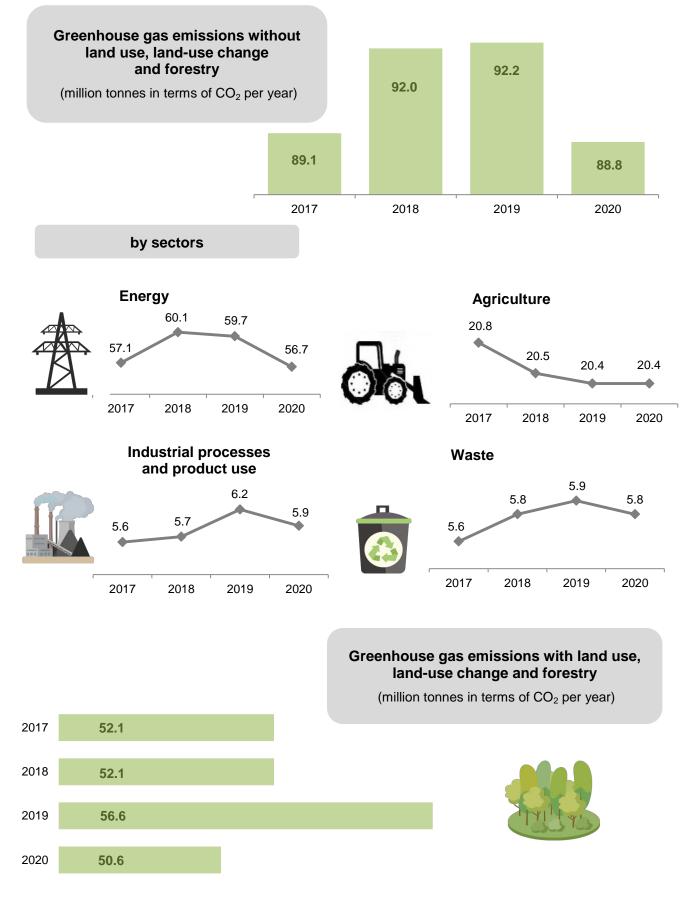
4.6. Air pollutants from stationary sources



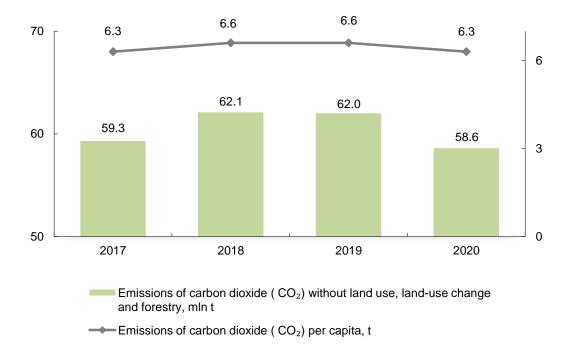




4.8. Greenhouse gas emissions



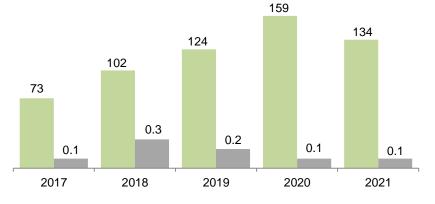
ENVIRONMENTAL PROTECTION IN THE REPUBLIC OF BELARUS, 2022



4.9. Emissions of carbon dioxide (CO₂)



4.10. Air quality monitoring¹⁾



Number of tested air samples, thousand

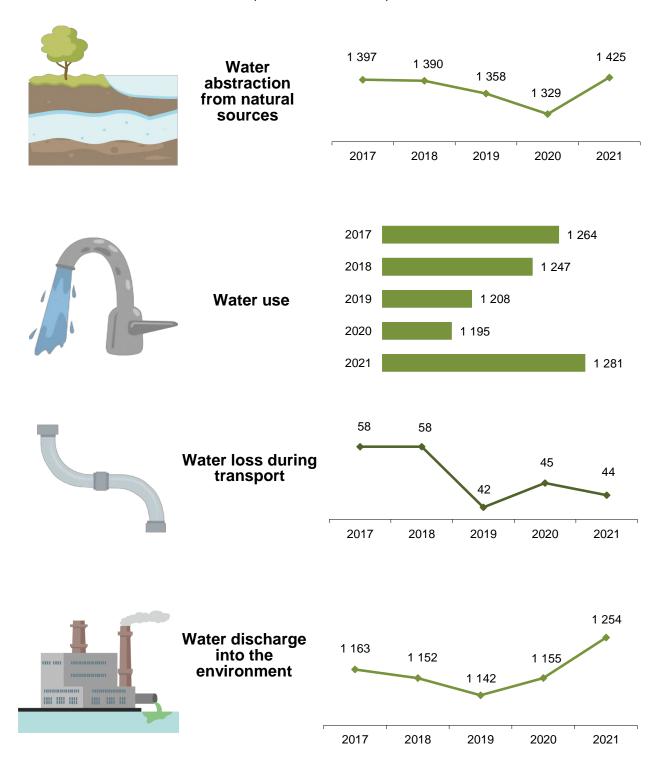
Of which air samples with maximum single allowable concentration exceeded, thousand

¹⁾ Data of the Ministry of Health.

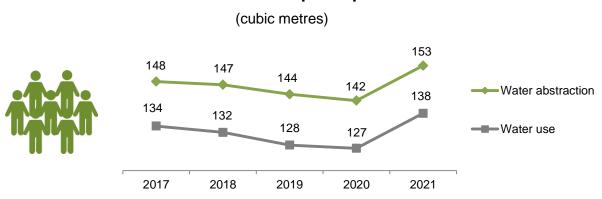
5. PROTECTION AND USE OF WATER RESOURCES¹⁾

5.1. Key indicators of protection and use of water resources

(million cubic metres)

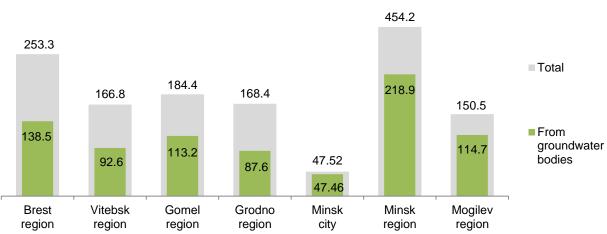


¹⁾ Data of the Ministry of Natural Resources and Environmental Protection.



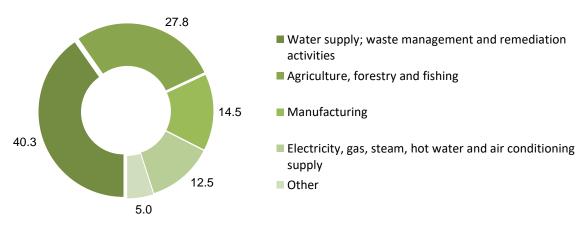
5.2. Water abstraction from natural sources and water use per capita

5.3. Water abstraction from natural sources by regions and Minsk city in 2021

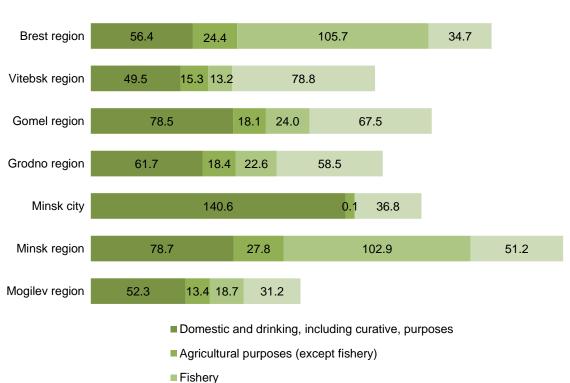


(million cubic metres)

5.4. Structure of water abstraction from natural sources by economic activity in 2021



(as percent of total)

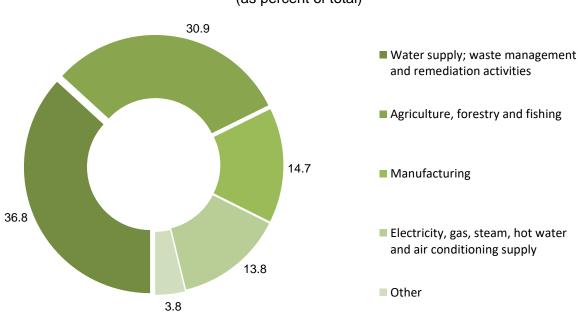


Industrial and other purposes

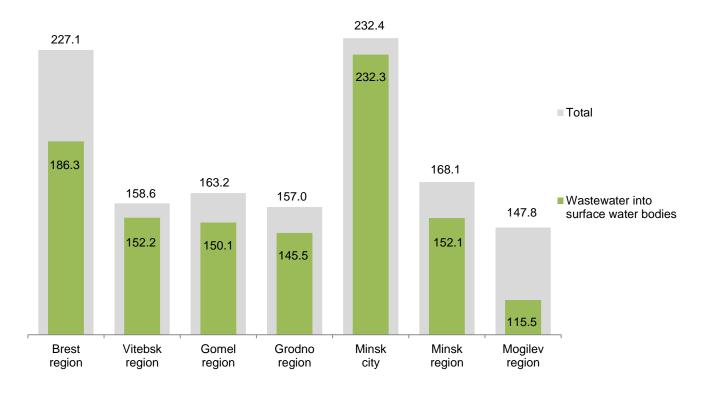
5.5. Water use by regions and Minsk city in 2021

(million cubic metres)

5.6. Structure of water use by economic activity in 2021



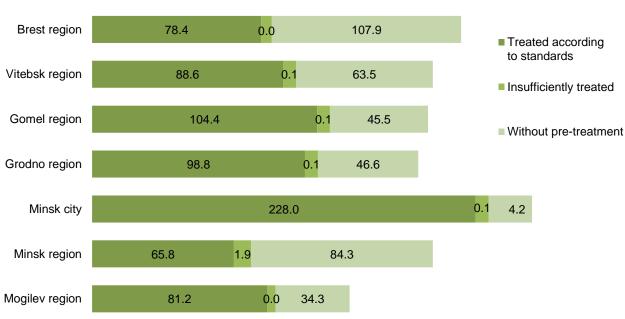
(as percent of total)



5.7. Water discharge by regions and Minsk city in 2021

(million cubic metres)

5.8. Wastewater discharge into surface water bodies by degree of treatment by regions and Minsk city in 2021



(million cubic metres)

6. PROTECTION OF FOREST RESOURCES

6.1. Forest fund land by region¹⁾

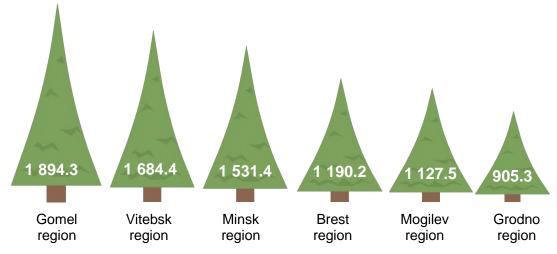
Total area of forest fund

as of January	1; thousand hectares
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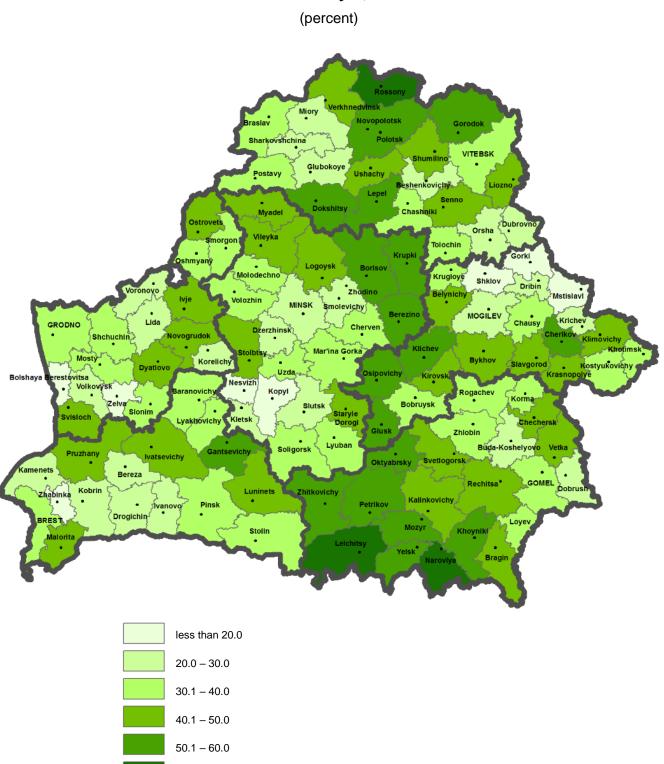
	2018	2019	2020	2021	2022	as of January 1, 2022; as % of total
Republic of Belarus	9 582.0	9 598.5	9 620.9	9 690.0	9 706.9	
Brest region	1 416.5	1 421.7	1 421.9	1 426.7	1 430.3	14.7
Vitebsk region	1 892.7	1 894.5	1 896.9	1 930.1	1 935.7	19.9
Gomel region	2 284.5	2 291.7	2 298.6	2 307.7	2 310.4	23.8
Grodno region	996.1	996.6	999.1	1 010.8	1 010.4	10.4
Minsk region	1 727.0	1 727.1	1 734.3	1 735.9	1 738.8	17.9
Mogile∨ region	1 265.1	1 266.9	1 270.2	1 278.8	1 281.2	13.2

Land area covered by forests

(as of January 1, 2022; thousand hectares)



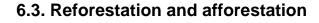
¹⁾ Data of the Ministry of Forestry.

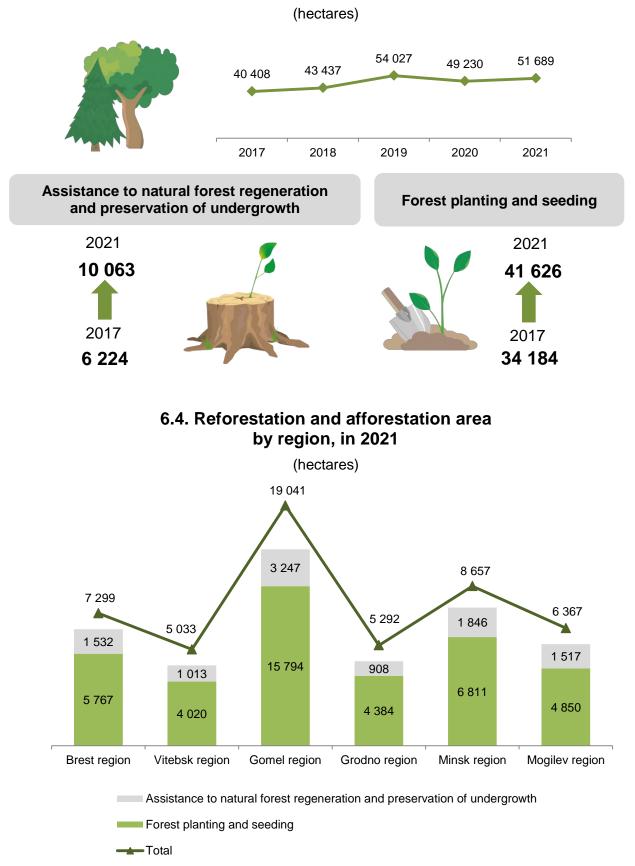


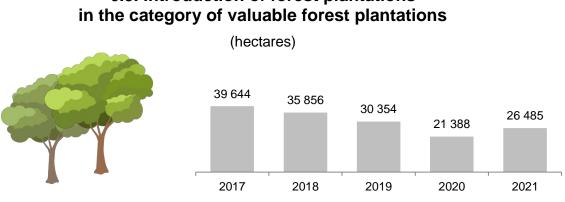
6.2. Forest cover of the territory by districts as of January 1, 2022¹⁾

60.1 and more

¹⁾ Data of the Ministry of Forestry.

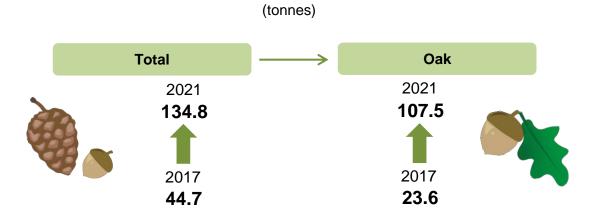






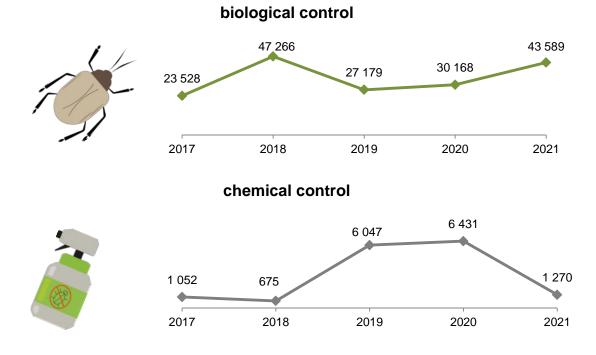
6.5. Introduction of forest plantations

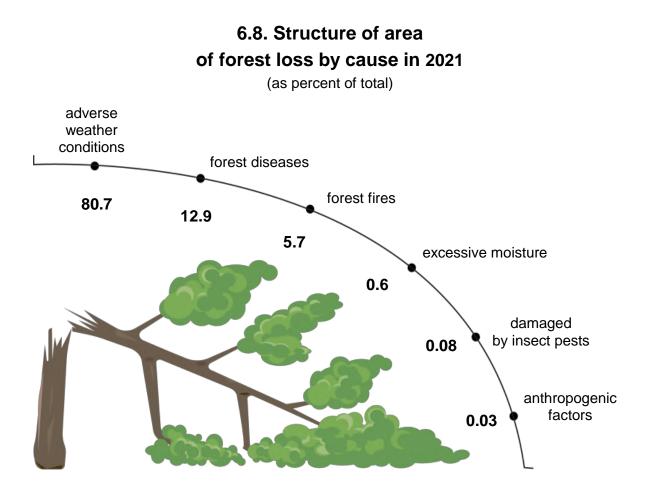
6.6. Seed harvesting of wood and shrub species



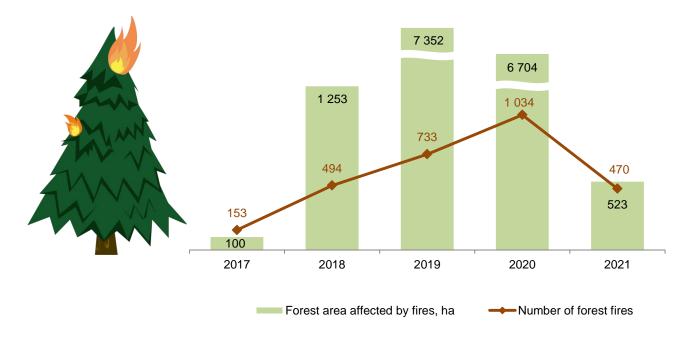
6.7. Forest pest and disease control

(hectares)

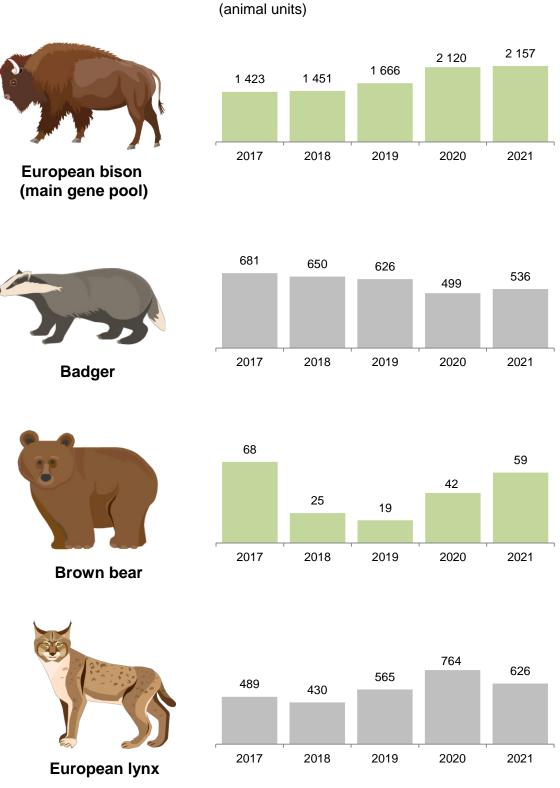




6.9. Number of forest fires and forest area affected by fires



6.10. Population of mammals included in the Red Book of the Republic of Belarus in their habitats taken under protection by users of hunting reserves¹⁾



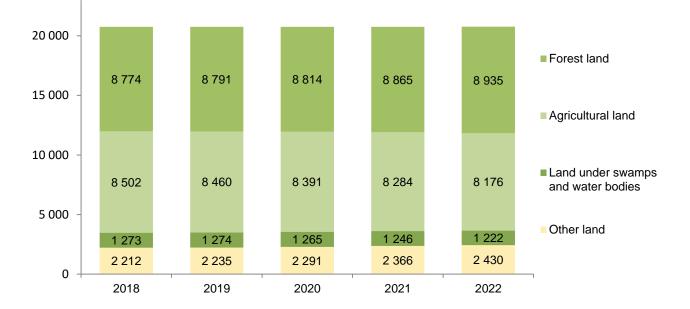
. .

¹⁾ Data of the Ministry of Forestry.

7. PROTECTION OF LAND RESOURCES¹⁾

7.1. Land area

(as of January 1; thousand hectares)



7.2. Area of reclaimed land

(as of January 1; thousand hectares)

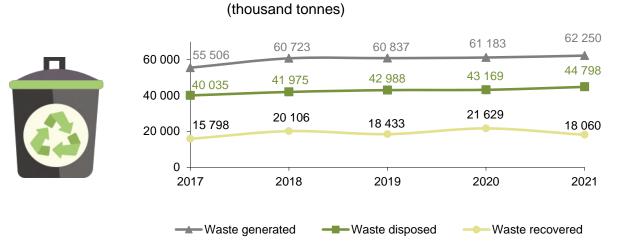
	2018	2019	2020	2021	2022
Total land reclaimed	3 446.6	3 448.5	3 453.7	3 454.8	3 337.5
of which:					
drained	3 416.3	3 418.2	3 423.4	3 424.5	3 308.8
irrigated	30.3	30.3	30.3	30.3	28.7
of which agricultural land	2 902.0	2 895.9	2 882.1	2 876.4	2 865.0
of which:					
drained	2 871.7	2 865.6	2 851.8	2 846.1	2 836.4
irrigated	30.3	30.3	30.3	30.3	28.6
Share of reclaimed land in total land area, %	16.6	16.6	16.6	16.6	16.1
of which:					
drained	16.5	16.5	16.5	16.5	15.9
irrigated	0.1	0.1	0.1	0.1	0.1

¹⁾ Data of the State Committee on Property.

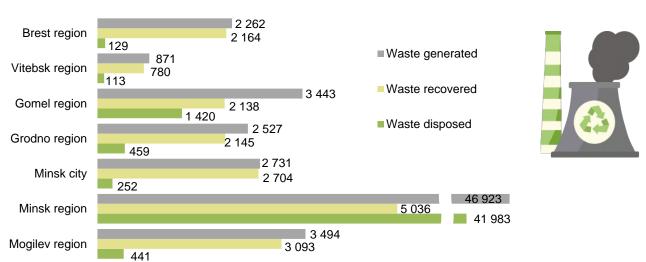
ENVIRONMENTAL PROTECTION IN THE REPUBLIC OF BELARUS, 2022

8. WASTE





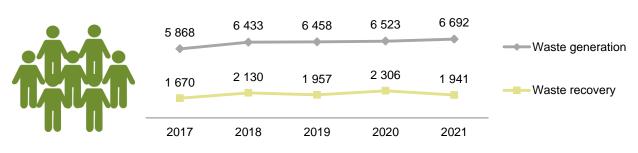
8.2. Generation, recovery and disposal of industrial waste by regions and Minsk city in 2021¹⁾



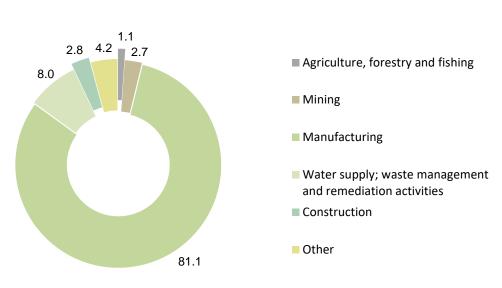
(thousand tonnes)

8.3. Generation and recovery of industrial waste per capita

(kilogrammes)



¹⁾ Data of the Ministry of Natural Resources and Environmental Protection.



8.4. Structure of generation of industrial waste by economic activity in 2021¹⁾

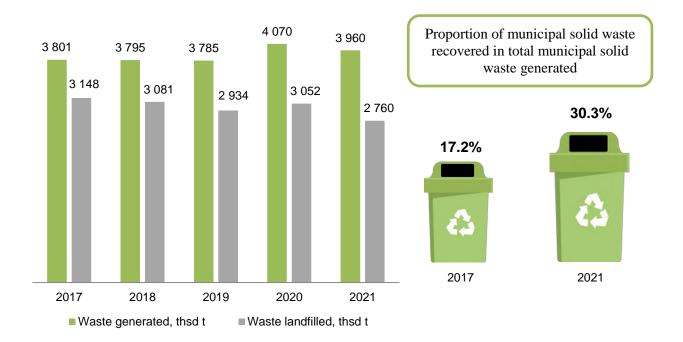
(as percent of total)

8.5. Industrial waste by hazard class in 2021¹⁾

(thousand tonnes)

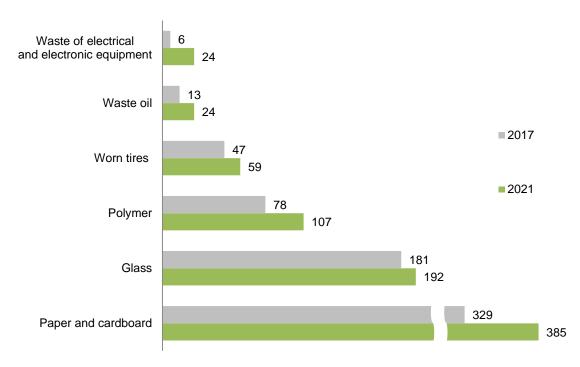
	Genera-	Recovery	Disposal	Of which			
	tion			storage facilities	burial sites	onsite storage	neutrali- sation
Total	62 250.0	18 059.8	44 798.1	43 111.6	750.4	808.8	127.2
of which:							
Non-hazardous	9 332.1	8 845.2	782.5	1.5	449.6	317.7	13.7
Class 1 (extremely hazardous)	21.9	17.6	5.0	0.0	0.1	1.6	3.3
Class 2 (high-hazard)	18.2	10.8	7.7	0.1	-	0.0	7.5
Class 3 (hazardous)	1 982.1	1 456.0	594.7	383.4	160.8	42.7	7.9
Class 4 (low-hazard)	50 895.6	7 730.2	43 408.2	42 726.6	139.9	446.8	94.8

¹⁾ Data of the Ministry of Natural Resources and Environmental Protection.



8.6. Generation, recovery and landfilling of municipal solid waste¹⁾

8.7. Recovery of municipal solid waste (collection of secondary raw materials)¹⁾

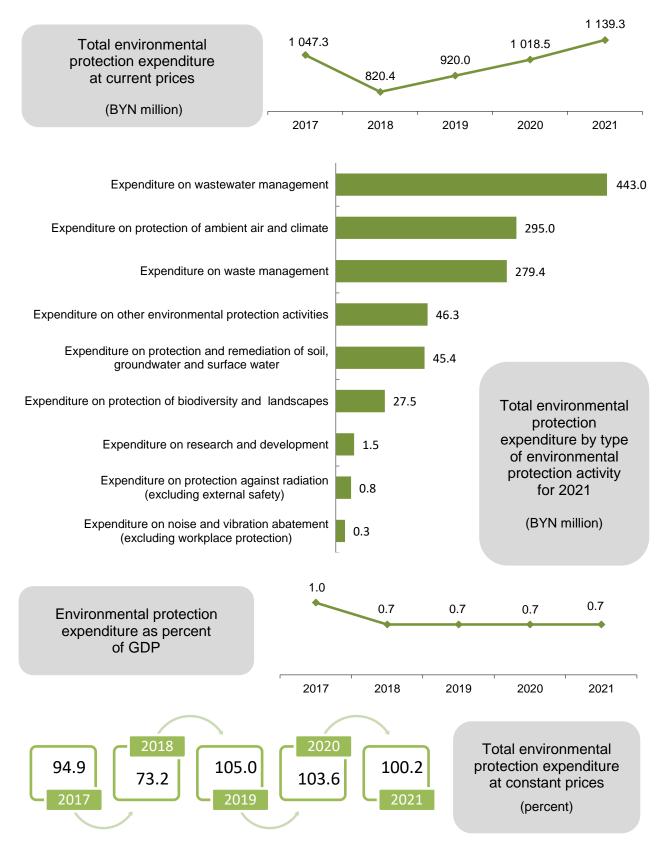


(thousand tonnes)

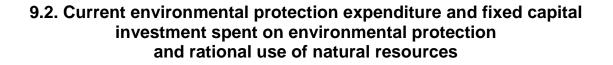
¹⁾ Data of the Ministry of Housing and Utilities.

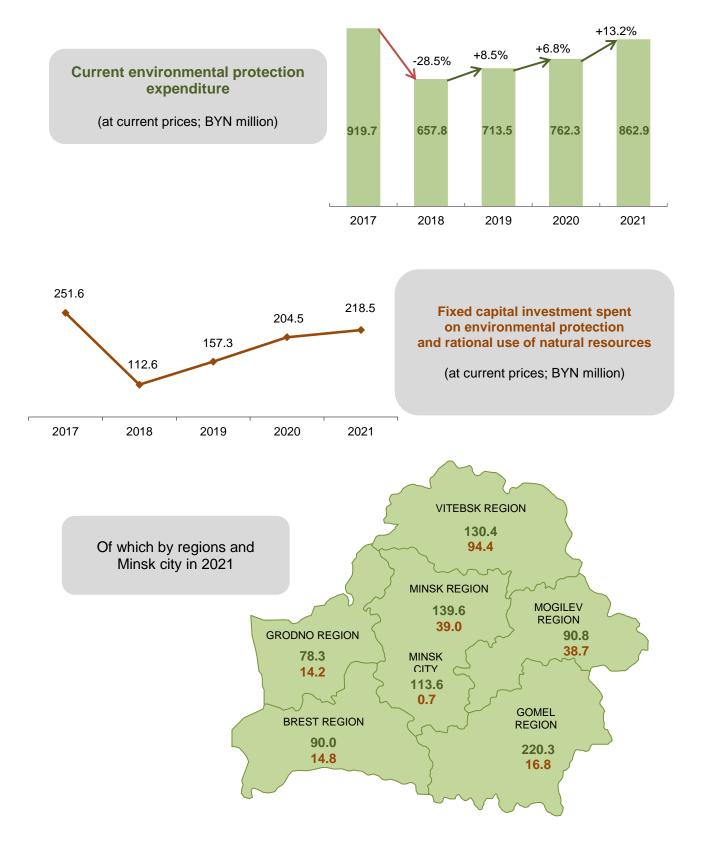
9. ENVIRONMENTAL PROTECTION EXPENDITURE

9.1. Total environmental protection expenditure



ENVIRONMENTAL PROTECTION IN THE REPUBLIC OF BELARUS, 2022





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ENVIRONMENTAL PROTECTION IN THE REPUBLIC OF BELARUS

Short data book

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