



State Statistical Committee of the Republic of Azerbaijan

**National developments in the
implementation and sharing of
environmental indicators and statistics**

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Main developments

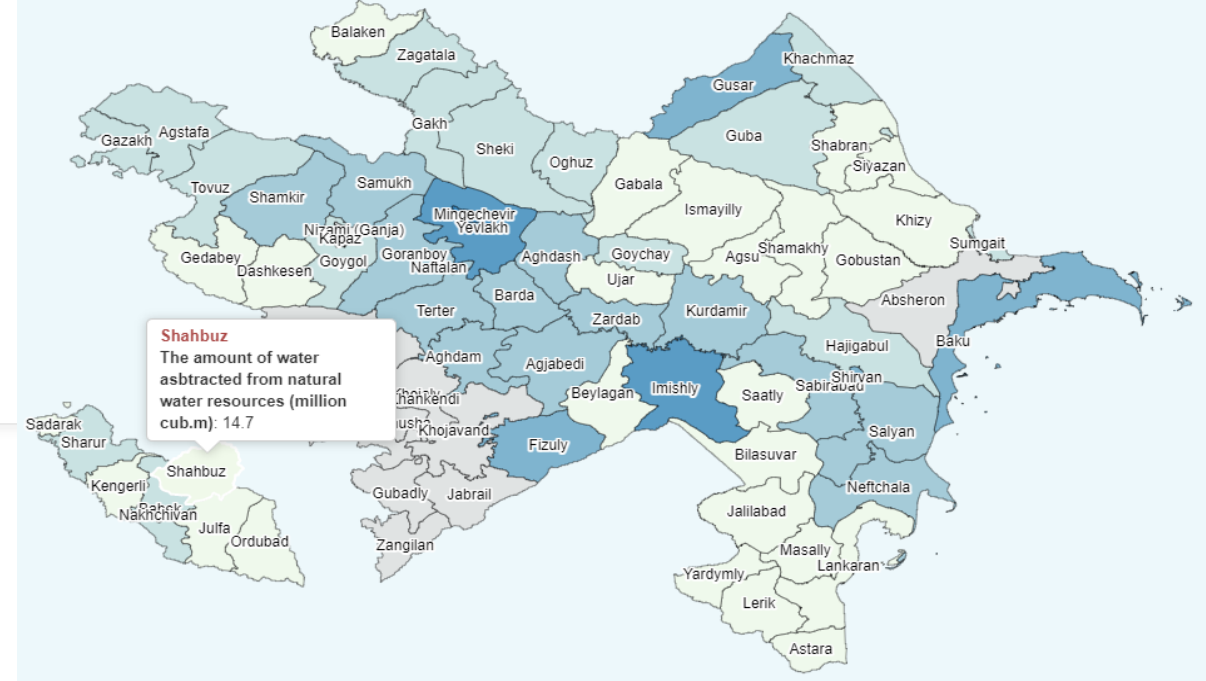
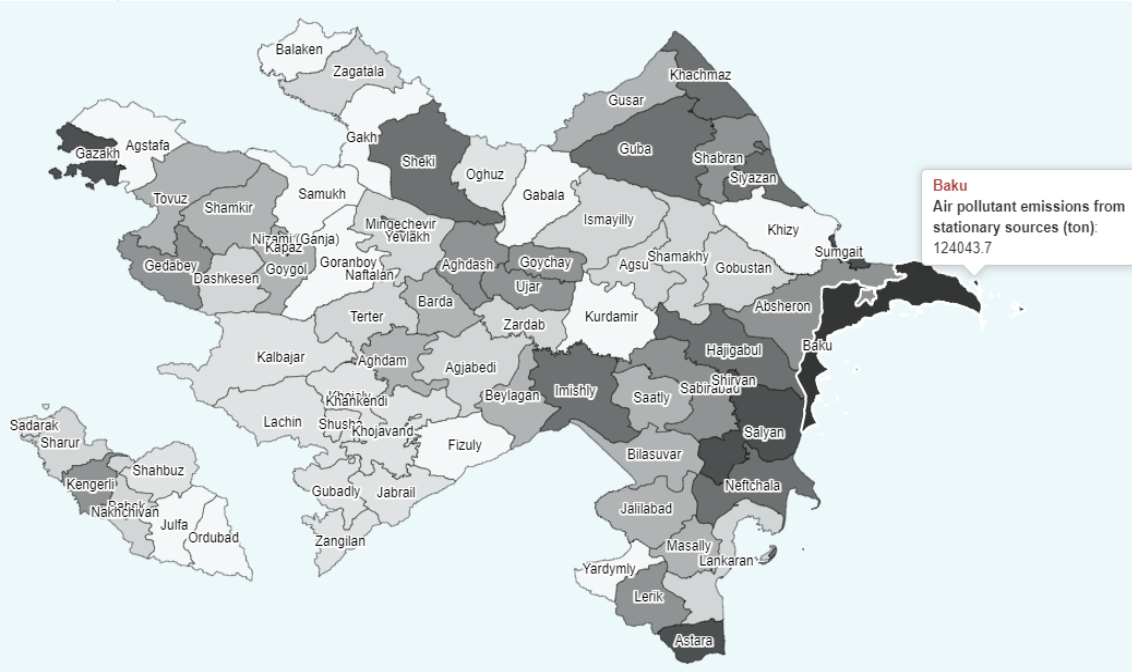
- GIS (Geographical information system)
- ASIS (Azerbaijan Statistical Information Service)
- Green economy
- SEIS (Shared Environmental Information System)
- Methodology on water flows account
- Ecological catalog (SEIS - metadata)
- Expenditures on environment

GIS

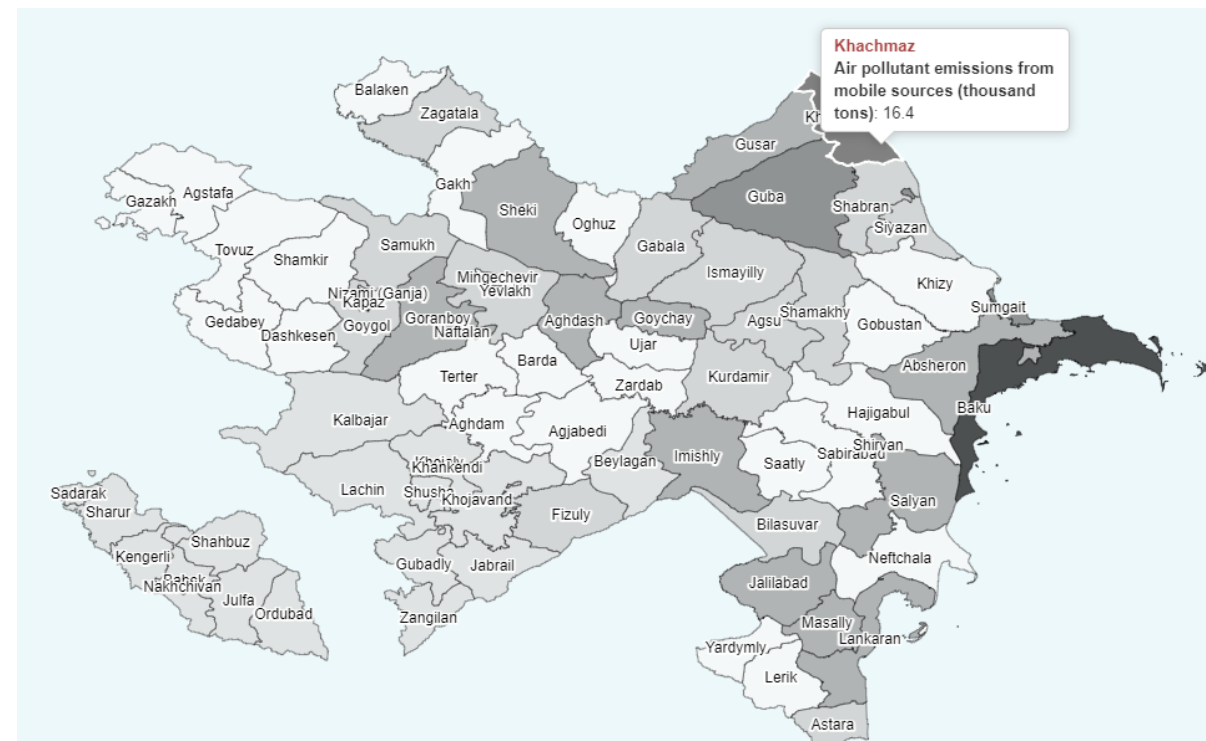
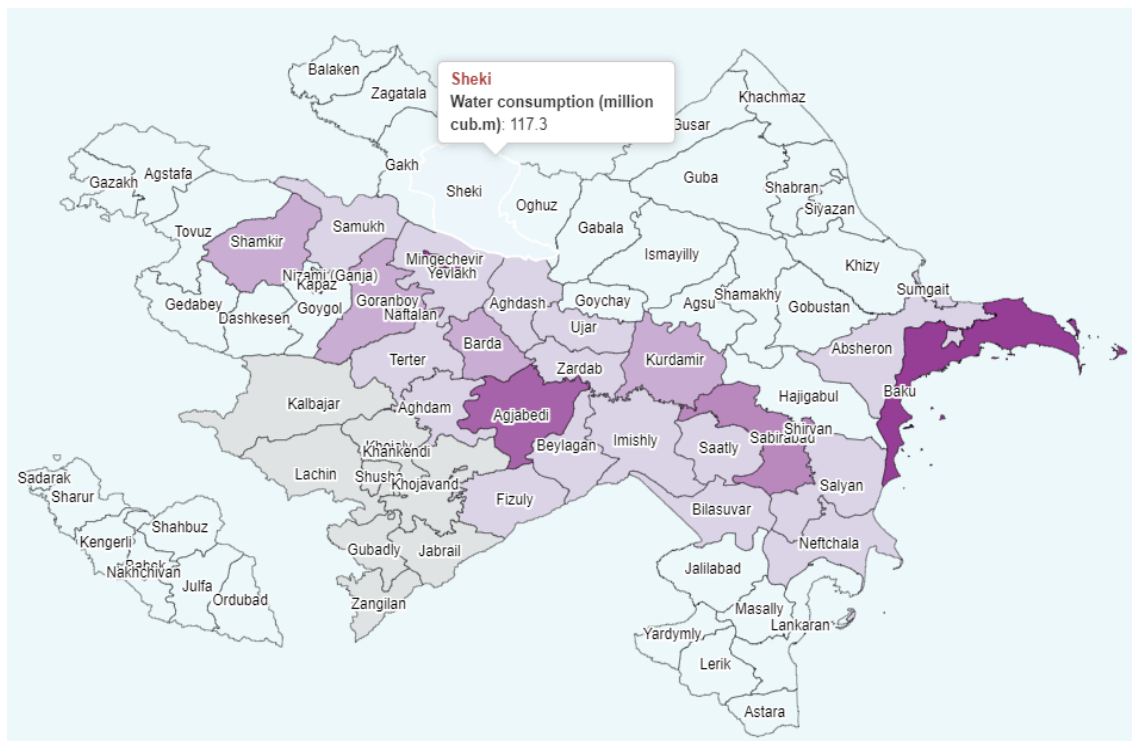
<https://www.azstat.org/webmap/?lang=en>

- Air pollutant emissions from stationary sources
- Emission of air pollutants from mobile sources
- Water abstraction from natural resources
- Water consumption
- Quantity of domestic wastes
- Water loss
















GIS



<https://www.azstat.org/portal/>

  Ecology

- Number of national parks and reserves (at the end of the year) 
- Expenditures for maintenance of national parks and reserves (at the end of the year) 
- Protection and using of water resources 
- Protection of atmosphere 
- Expenses for protection of environment 
- Area of national parks and reserves 
- Forest resources 
- Total quantity of caught fish 
- Main economic indicators of hunting farms 
- Ferrous and non-ferrous metal waste 
- Generation of secondary raw materials and wastes 



Green Economy

- Features and social-economic characters of increase
- Ecological and resource efficiency of the economy
- Natural resources
- Measuring environmental quality of the life
- Economic potential and tools of the policy

SEIS

Air pollution
and ozone
depletion

Climate
change

Water

Biodiversity

Land and soil

Agriculture

Energy

Transport

Waste

Environmental
financing



stat.gov.az

Environmental Protection

<https://www.stat.gov.az/source/environment/>

▼ The key indicators of shared ecological information system



The shared ecological information system (SEIS) (<https://eni-seis.eionet.europa.eu/east/countries>) represents the initiative of the European Union (EU) directed to modernization and simplification of collecting, exchange and use of data and information, necessary for development and implementation of ecological policy with the purpose to support environment protection in the territory of the countries - neighbors of EU within the framework of the program "European Neighborhood and Partnership Instrument" (ENPI).

XLS Air pollutant emissions from stationary sources by ingredients

XLS Emission of air pollutants from mobile sources by ingredients

XLS Greenhouse gas emissions by sectors

XLS Abstraction of freshwater from natural sources and its use

XLS Passenger transport demand

XLS Consumption of mineral and organic fertilizers

XLS Waste generation

XLS Management of hazardous wastes

XLS Renewable freshwater resources

XLS Generation of hard waste

XLS Protected areas

XLS Ambient air quality

XLS Biochemical oxygen demand and concentration of ammonium in rivers

XLS Nutrients in fresh water

XLS Consumption of ozone-depleting substances

XLS Air temperature

XLS Number of precipitation

XLS Energy final consumption

XLS Total energy supply

Sustainable Development Goals water indicators

	2016	2017	2018	2019	2020
<i>6.3.1 Proportion of wastewater safely treated, in percent¹⁾</i>	43,6	47,0	49,2	51,8	52,6
<i>6.4.1 Change in water-use efficiency over time, US dollar/m³</i>	3,70	3,90	4,85	4,58	3,67
<i>6.4.2 Level of water stress: freshwater withdrawal as a proportion of available freshwater resources, in percent²⁾</i>	52,4	53,5	53,7	55,6	53,9

¹⁾ *Share of waters treated up to the normative level in the total volume of waste waters*

²⁾ *The indicator was calculated on the base of data of Global Information System of Food and Agriculture Organization of the United. Nations*

Greenhouse gas emissions¹⁾
(CO₂ equivalent, million ton)

	2005	2010	2015	2017	2018	2019
<i>Carbon dioxide (CO₂)</i>	26,8	22,6	26,6	32,6	32,7	32,6
<i>Nitrous oxide (N₂O)</i>	1,7	1,9	2,2	1,3	1,3	0,8
<i>Methane(CH₄)</i>	10,3	15,0	16,4	18,3	18,7	19,9
<i>F-gases</i>	0,8	1,0	1,9	1,1	0,9	0,8

¹⁾

On the base of data of the Ministry of Ecology and Natural Resources

Greenhouse gas emissions by sectors¹⁾
(CO₂ equivalent, million ton)

	2005	2010	2015	2018	2019
<i>Energy</i>	40,9	41,0	47,7	47,5	49,0
<i>Industrial processes</i>	1,9	2,0	3,7	3,4	3,3
<i>Agriculture</i>	6,5	7,2	8,6	8,7	8,0
<i>Land use, land use change, forestry²⁾</i>	-5,3	-5,4	-7,1	-7,2	-7,5
<i>Waste</i>	1,0	1,2	1,3	1,3	1,4
<i>Total land use and its change, including forestry</i>	50,2	51,4	61,3	60,8	61,6
<i>Total land use and its change, excluding forestry</i>	44,9	46,0	54,2	53,6	54,1

¹⁾ *On the base of data of the Ministry of Ecology and Natural Resources*

²⁾ *minus is used for indication of absorbtion of gas creating heat effect*

Greenhouse gas emissions by households¹⁾
(thsd ton)

	2007	2010	2015	2018	2019	2020
<i>Carbon dioxide (CO₂)</i>	6076,7	6851,9	6344,3	6790,3	7347,3	8352,1
<i>Methane(CH₄)</i>	0,2	0,2	0,2	0,1	0,1	0,2
<i>Nitrous oxide (N₂O)</i>	0,02	0,02	0,02	0,01	0,01	0,02
<i>Greenhouse gases (in CO₂ equivalent)</i>	6087,7	6863,7	6353,9	6797,5	7354,9	8360,4

¹⁾ *Calculated on the base of the methodology developed by the State Statistical Committee*

System of Environmental-Economic Accounting 2012

Experimental Ecosystem Accounting

Water flows account

- The methodology to arrange water balance using physical supply-use tables according to the Central Framework of the System of Environmental- Economic Accounting has been prepared and sent to the Ministry of Ecology and Natural Resources to use it as the Ministry was empowered to arrange water balance in the decree number 207 by the Cabinet of Ministers



Environmental protection expenditure accounts

- The methodology of Environmental protection expenditure accounts was prepared and approved in accordance with SEEA Central Framework.



STATISTICAL PUBLICATIONS OF THE SSC OF THE REPUBLIC OF AZERBAIJAN IN THE FIELD OF ENVIRONMENT STATISTICS

- Furthermore 3 bulletins and a statistical yearbook were published in 2021

- 2 press releases were prepared and annual analytical report about environmental situation was sent to the Cabinet of Ministers

www.stat.gov.az/source/environment/?lang=en





Thanks for attention