

River Basin Management Plan

Vistula 2025–2030



Funded by
the European Union

EU4Environment
Water and Data in Eastern Partner Countries

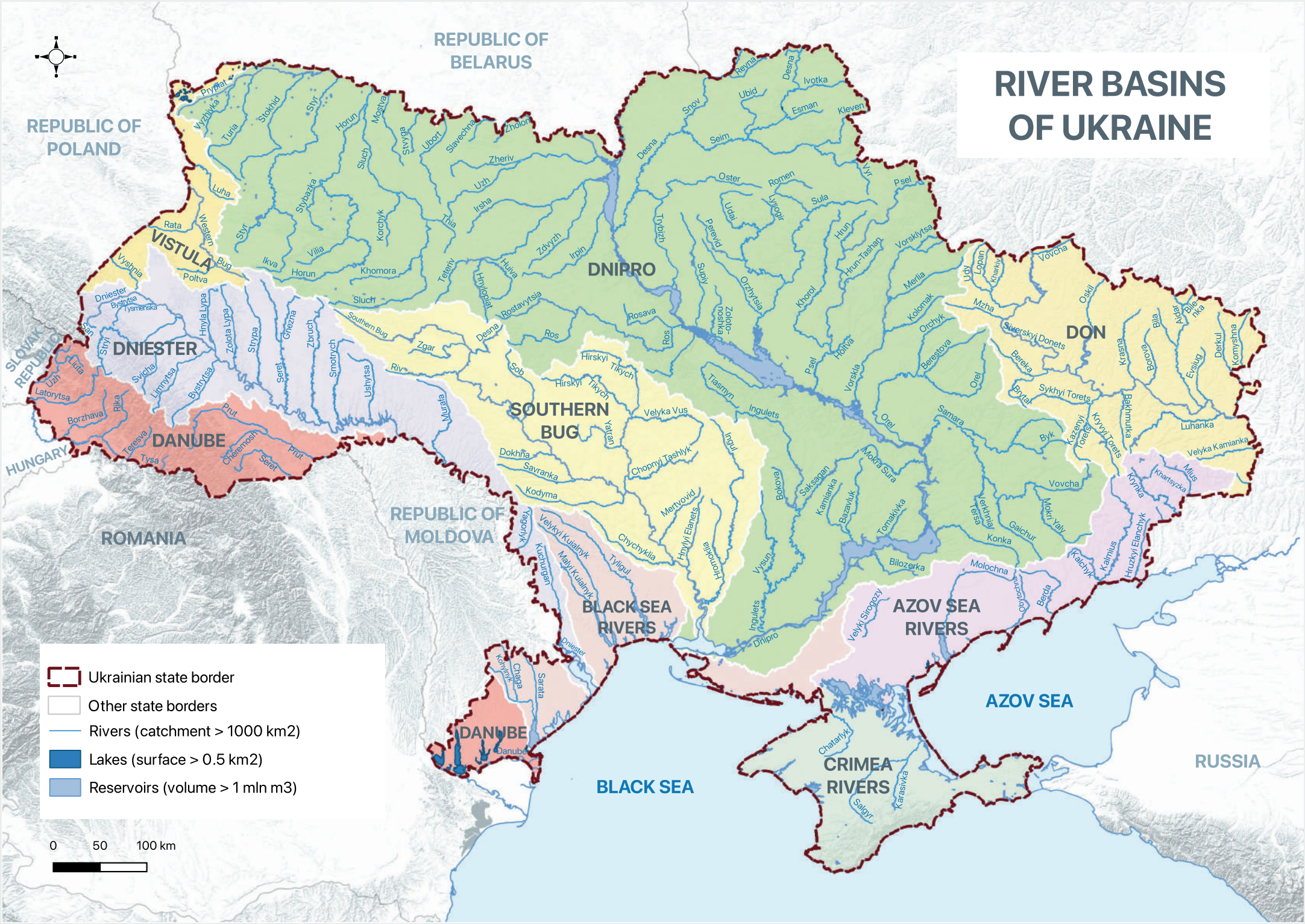







Ministry
of Environmental Protection
and Natural Resources
of Ukraine

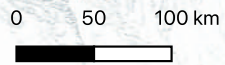


State Agency
of Water Resources
of Ukraine

RIVER BASINS OF UKRAINE



-  Ukrainian state border
-  Other state borders
-  Rivers (catchment > 1000 km²)
-  Lakes (surface > 0.5 km²)
-  Reservoirs (volume > 1 mln m³)



RIVER BASIN GEOGRAPHY



The transboundary Vistula River Basin is located on the territory of **four countries**: Ukraine, Republic of Poland, Republic of Belarus and the Slovak Republic.



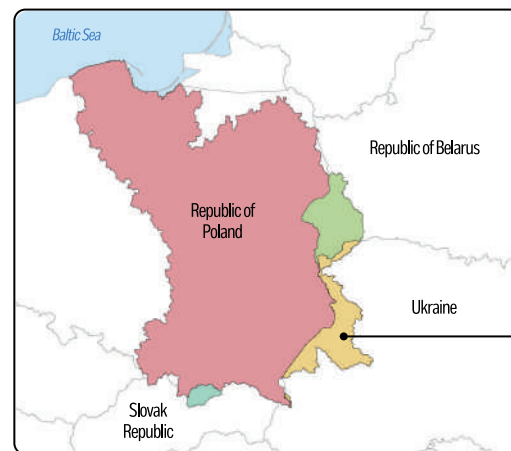
It covers the territory of **2 oblasts of Ukraine** (Volyn and Lviv). The Vistula River Basin District in Ukraine includes the **Western Bug River sub-basin** and the **San River sub-basin**.

269 surface water bodies (SWBs):

- 84** rivers
- 19** lakes
- 0** transitional waters
- 0** coastal waters
- 160** HMWBs*
- 6** AWBs*

9 groundwater bodies (GWBs)

* HMWBs – heavily modified water bodies, AWBs – artificial water bodies

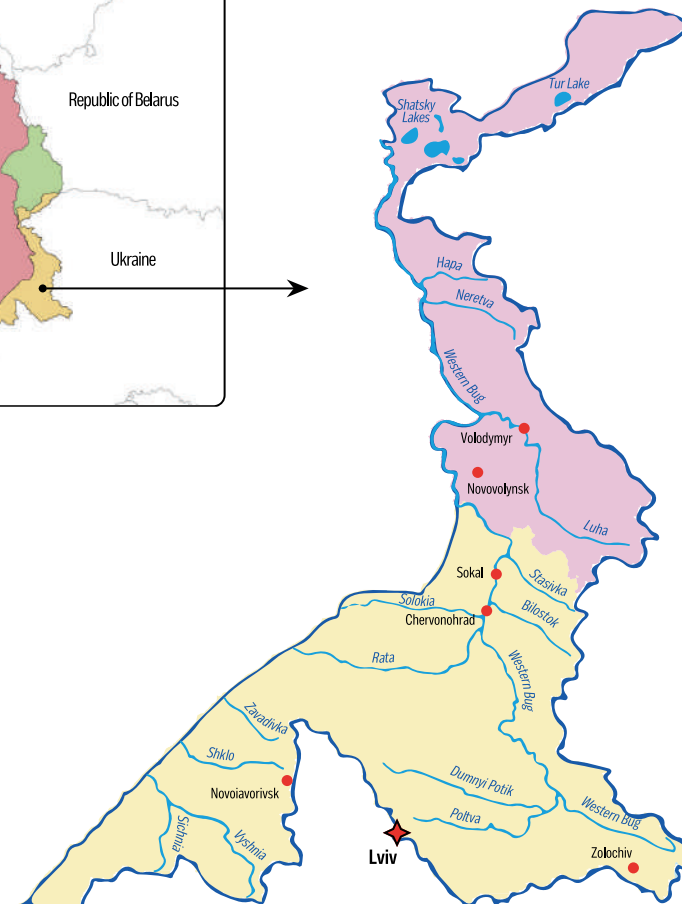


Oblasts:

- Lviv
- Volyn

Countries:

- Ukraine
- Republic of Poland
- Republic of Belarus
- Slovak Republic



ECOLOGICAL STATUS AND POTENTIAL



MAIN ELEMENTS:

- ✓ **Biological** (composition and abundance) parameters
 - macro invertebrates
 - other aquatic flora
 - phytoplankton
 - fish (not determined)



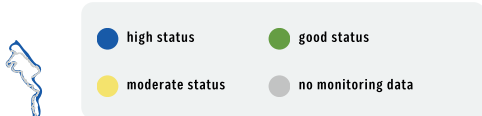
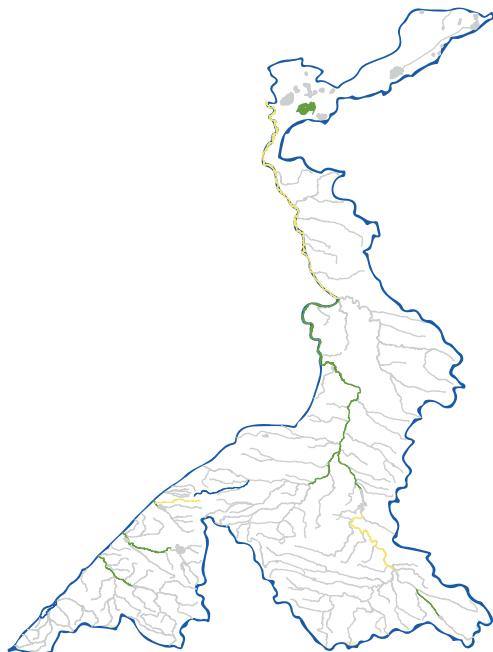
SUPPORTING ELEMENTS:

- ✓ Chemical and physico-chemical parameters
- ✓ Hydromorphology (flows, sediments)
- ✓ Basin specific (synthetic and non-synthetic) pollutants



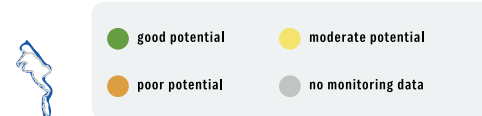
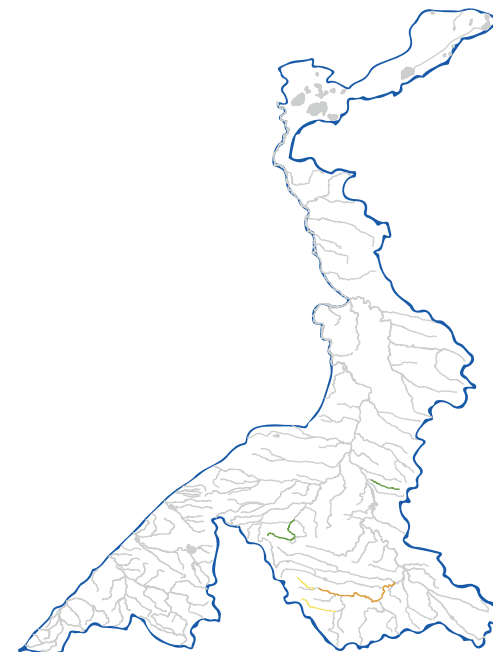
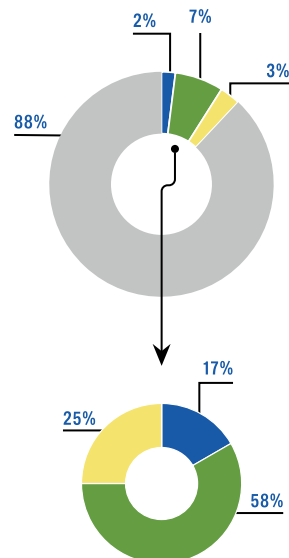
<https://cutt.ly/cenginwr>

Link to the methodology document



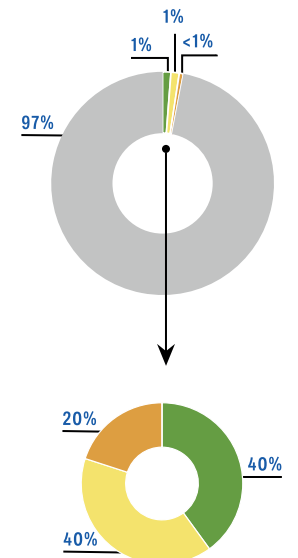
ECOLOGICAL STATUS

Defined only for the category of natural surface water bodies, 103 SWBs



ECOLOGICAL POTENTIAL

Defined only for the categories of heavily modified (HMWB) and artificial (AWB) surface water bodies, 166 SWBs



CHEMICAL STATUS



This is determined for **45 pollutants**.

If the concentration of any of them exceeds the established environmental quality standard for surface water, the status of the SWB is classified as **“failure to achieve good status”**.



Exceedances of the following pollutants were identified:

anthracene, cadmium, fluoranthene, benzo(k)fluoranthene, nickel, benzo(b)fluoranthene, benzo(g,h,i)perylene, cypermethrin, terbutryn, mercury.

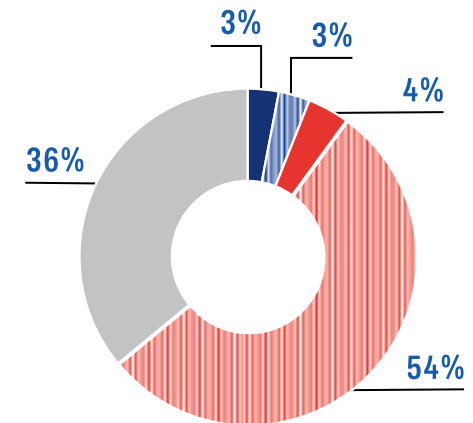
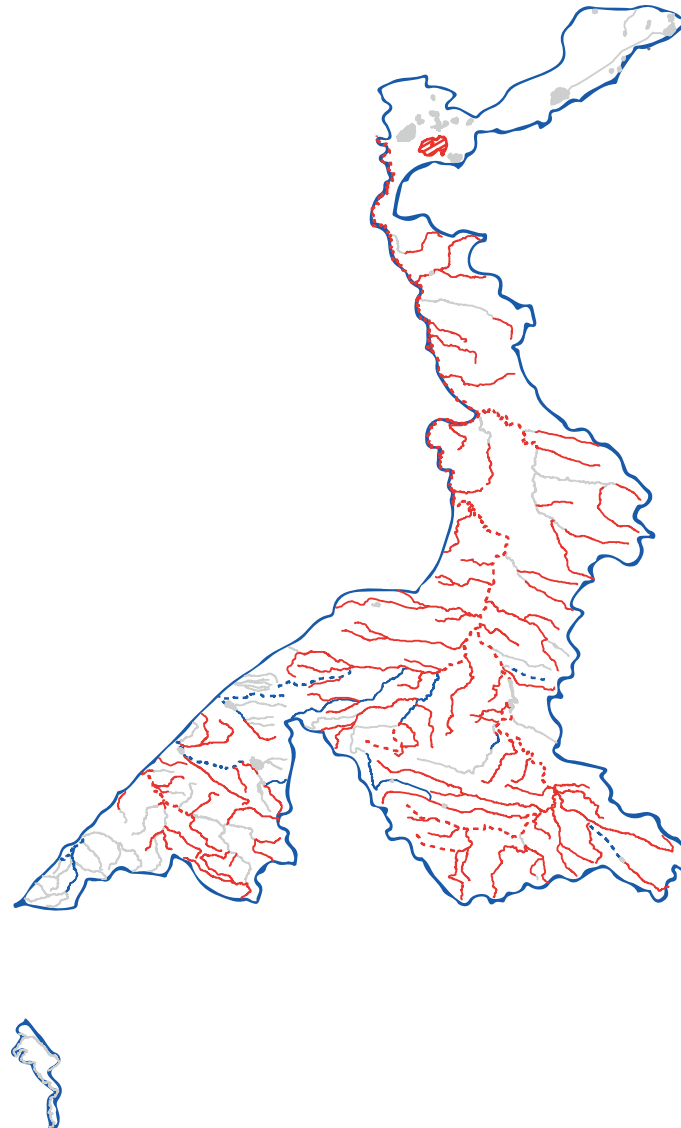


Chemical monitoring of GWBs is not conducted at present.



<https://cutt.ly/EenguUfB>

List of pollutants



ACCORDING TO THE MONITORING DATA

- good status
- failure to achieve good status

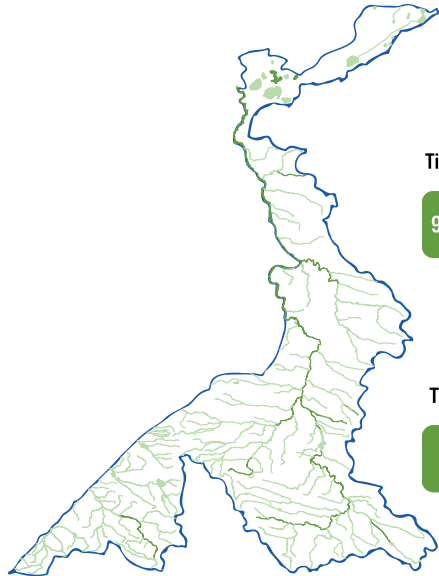
ACCORDING TO EXPERT INTERPOLATION

- good status
- failure to achieve good status

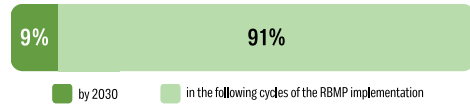
● no monitoring data

ENVIRONMENTAL OBJECTIVES FOR SWBs*

- 1 Preventing the deterioration of all SWBs
- 2 Achieving / maintaining a **good ecological** and **chemical status** of all natural SWBs (rivers, lakes, transitional and coastal waters)
- 3 Achieving / maintaining a **good ecological potential** and **chemical status** of heavily modified and artificial SWBs
- 4 Gradual **reduction** to the complete **absence of hazardous substances**



Timeframe for achieving the good ecological status of SWBs



Timeframe for achieving the good chemical status of SWBs

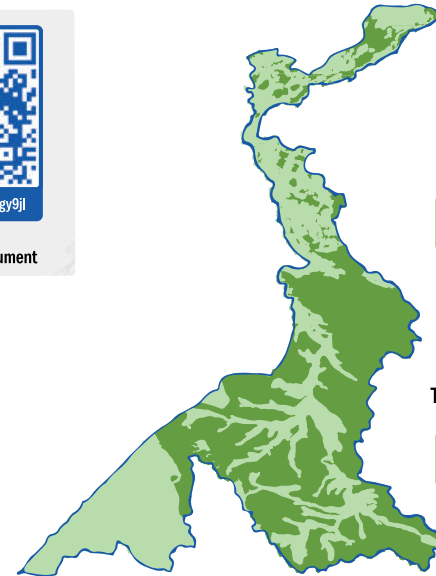


<https://cutt.ly/oengy9jl>

Link to the methodology document

ENVIRONMENTAL OBJECTIVES FOR GWBs**

- 1 Preventing the deterioration of all GWBs
- 2 Achieving / maintaining a **good quantitative** and **chemical status** of all GWBs
- 3 Preventing and limiting groundwater pollution



Timeframe for achieving the good chemical status of GWBs



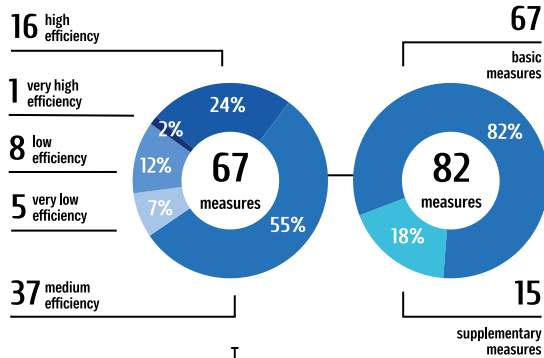
Timeframe for achieving the good quantitative status of GWBs



* The map shows the deadlines for achieving a good ecological status of the SWBs

** The map shows the deadlines for achieving a good chemical status of the GWBs

PROGRAMMES OF MEASURES



€501M*

TOTAL COSTS OF MEASURES

€58*

COSTS OF MEASURES PER INHABITANT PER YEAR



<https://cutt.ly/ce0DaACp>

A full list of Measures is available in the Vistula River Basin Management Plan

SANITATION

- Comprehensive reconstruction and modernization of the WWTP** at the "Lvivvodokanal" in Lviv city
- Construction of a sewage sludge thermal utilization unit at the WWTP in Lviv
- Construction of a mechanical sludge dewatering unit at the WWTP in Lviv
- Construction of a storm water treatment plant for wastewater from sewage machines of non-sewerage areas at the WWTP in Lviv
- Reconstruction of the WWTP in Lyuboml city
- Project of wastewater heat utilization at the discharge from the WWTP in Lviv
- Reconstruction of the main sewer collector in Lviv
- Reconstruction of WWTPs and SNs** in the towns of Novovolynsk, Blahodatne, Chervonohrad, Hirnyk, Volodymyr, Novoyavorivsk... the village of Silets
- Comprehensive reconstruction of sewage pumping stations (SPSs) in Lviv
- Reconstruction of WWTPs and SNs in the cities of Sokal, Zolochiv, Kamianka-Buzka... the towns of Zhvyрка, Zapytiv... the villages of Neslukhiv, Lokachi, at the Utility Company "Dobrobut" in the Shatsk village...
- Construction of WWTPs and SNs in the cities of Belz, Hlynyany, Sudova Vyshnia, Yavoriv... the towns of Yampil, Shklo, Zapytiv... the villages of Sasiv, Pidhirne, Tur, Verblyany, Borshchovychi, Ozhydiv, Batiatychi, Turynka, Remeniv, Velyke Kolodne...

TOTAL COSTS OF MEASURES

€498M
or 97%

HYDROMORPHOLOGY

- Revitalization of the Krasnosilka, Zavadiivka, Blekh rivers, upper reaches of the Western Bug River
- Restoration of the storage volume and dredging of Dobrotvir Reservoir

AGRICULTURE

- Establishment of water protection zones and bank protection strips for water bodies in the Vistula River Basin within Lviv and Volyn oblasts

INDUSTRY

- Reconstruction of the WWTP and SN at the "Radekhiivskiyi Sugar LLC"

OTHER

- Improvement of state accounting of the water use in the Vistula River Basin
- Establishment of protected areas and preservation of wetlands in Chervonohrad district, Lviv oblast
- Conservation and restoration of the natural diversity of the landscape reserve of local importance "Verkhobuzkyi"
- Mitigating the impact of planned infrastructure projects: Construction of the northern section of the Lviv Bypass Road; improvement of the transport and operational condition of roads on the approaches to the Ukraine-EU border crossing points in Lviv oblast (the road M09)

VERY HIGH EFFICIENCY

48% of the budget benefit for 1.15M ppl.

HIGH EFFICIENCY

34% of the budget benefit for 12 866K ppl.

MEDIUM EFFICIENCY

14% of the budget benefit for 252K ppl.

LOW EFFICIENCY

3% of the budget benefit for 331K ppl.

VERY LOW EFFICIENCY

< 1% of the budget benefit for 4.2K ppl.

SUPPLEMENTARY MEASURES

15 measures benefit for 1.4M ppl.

- Educational activities
- Inventory of the network of observation wells
- Reassessment of operational groundwater reserves
- Development of recommendations for the restoration of the forest landscape of river valleys
- Collection and use of rainwater and graywater
- Development of a Drought Management Plan (DMP) as part of the RBMP
- Improved assessment of diffuse impact from livestock on surface and groundwater
- Development of a methodology for determining and calculating the ecological flow

* according to the NBU rate 1 EUR = 45 UAH, June 2024; calculations of costs of measures were carried out during 2016-2023

** WWTP – waste water treatment plant, SN – sewage network

M – million; K – thousand; ppl. – people

