



River Basin Management Plan

Danube 2025–2030



Funded by
the European Union

EU4Environment
Water and Data in Eastern Partner Countries

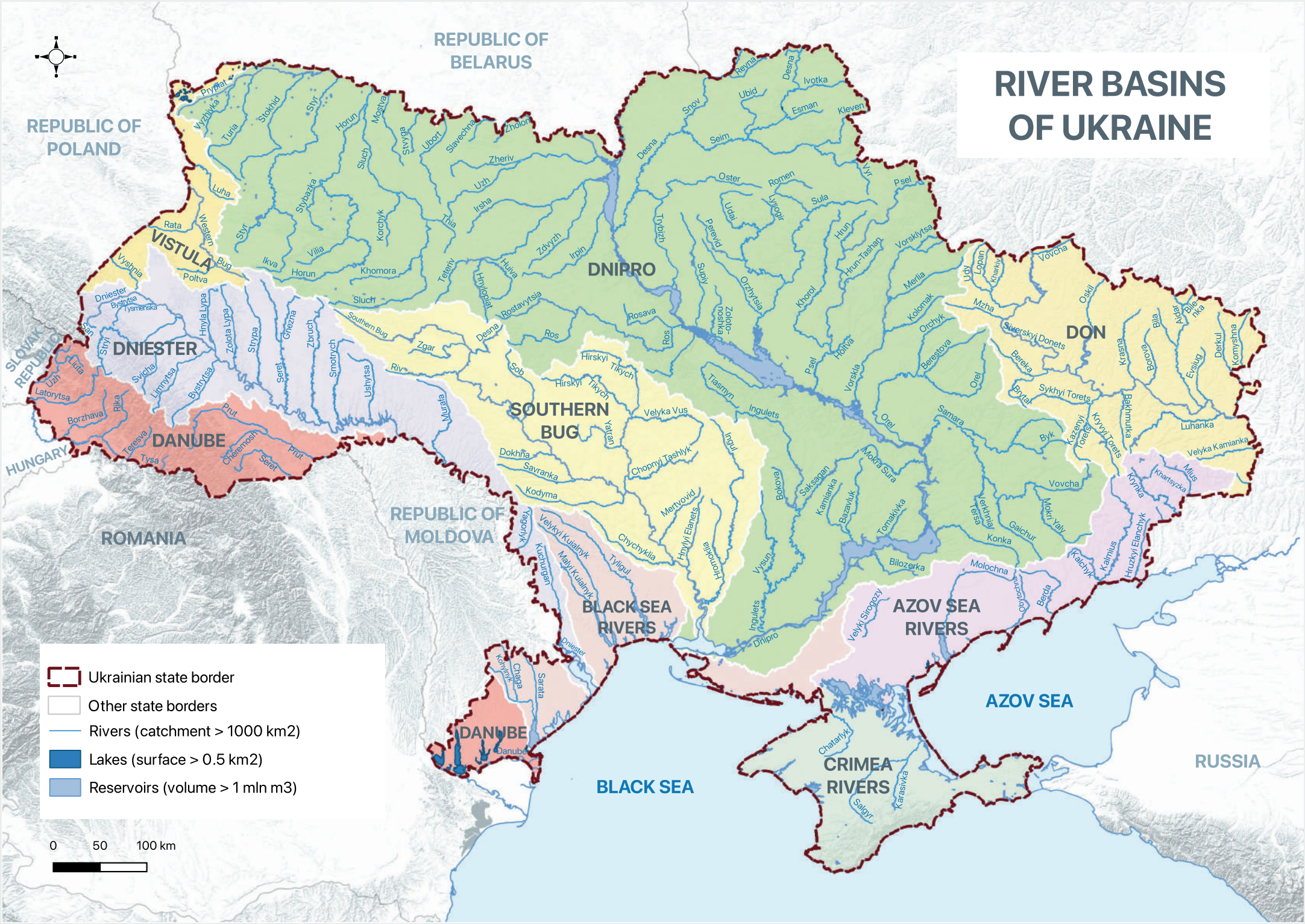


Ministry
of Environmental Protection
and Natural Resources
of Ukraine



State Agency
of Water Resources
of Ukraine

RIVER BASINS OF UKRAINE



REPUBLIC OF POLAND

REPUBLIC OF BELARUS

SLOVAK REPUBLIC

HUNGARY






ROMANIA

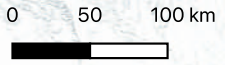
REPUBLIC OF MOLDOVA

BLACK SEA

AZOV SEA

RUSSIA

-  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 Danube River Basin is located on the territory of **19 countries** (look at the map).



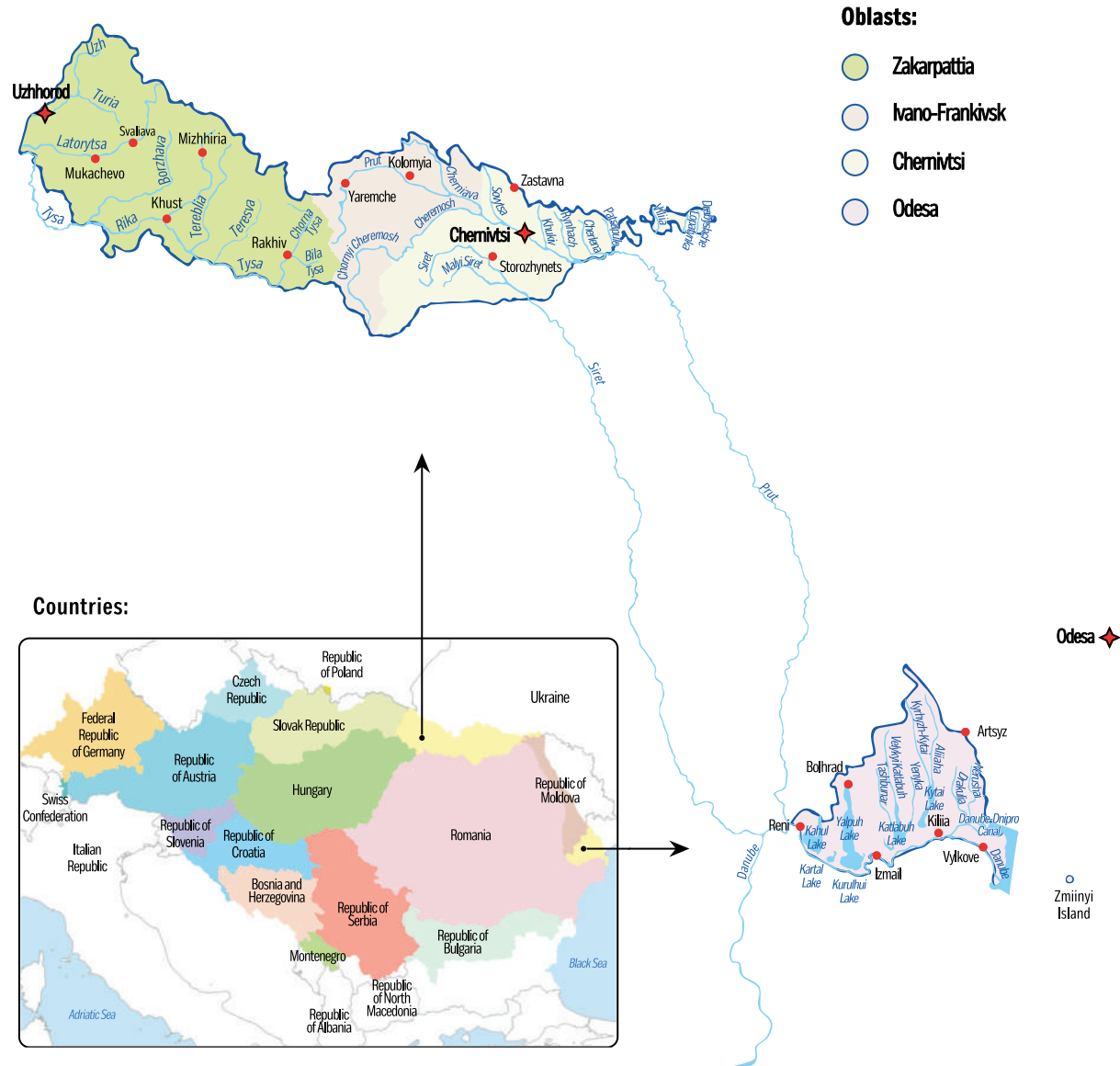
In Ukraine, the Danube River basin is located within **four oblasts** (Zakarpattia, Ivano-Frankivsk, Chernivtsi, and Odesa oblasts) and consists of **four sub-basins**: the Tisza River sub-basin, the Prut River sub-basin, the Siret River sub-basin, and the Lower Danube sub-basin.

885 surface water bodies (SWBs):

- 676** rivers
- 16** lakes
- 1** transitional waters
- 1** coastal waters
- 155** HMWBs*
- 36** AWBs*

16 groundwater bodies (GWBs)

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



ECOLOGICAL STATUS AND POTENTIAL



MAIN ELEMENTS:

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



SUPPORTING ELEMENTS:

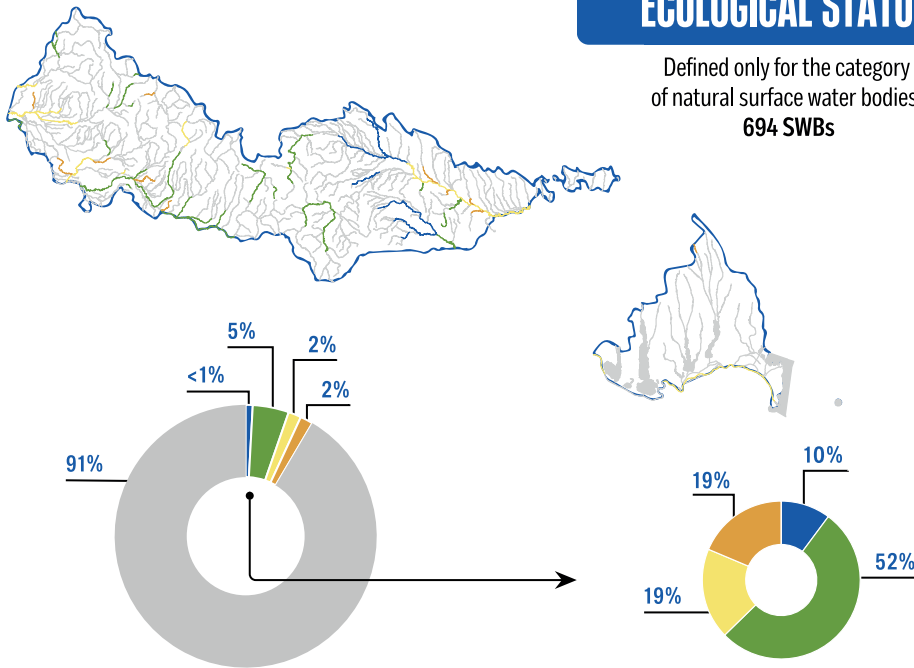
- ✓ Chemical and physico-chemical parameters
- ✓ Hydromorphology (flows, sediments)
- ✓ Basin specific (synthetic and non-synthetic) pollutants



<https://cutt.ly/cenginwr>
 Link to the methodology document

ECOLOGICAL STATUS

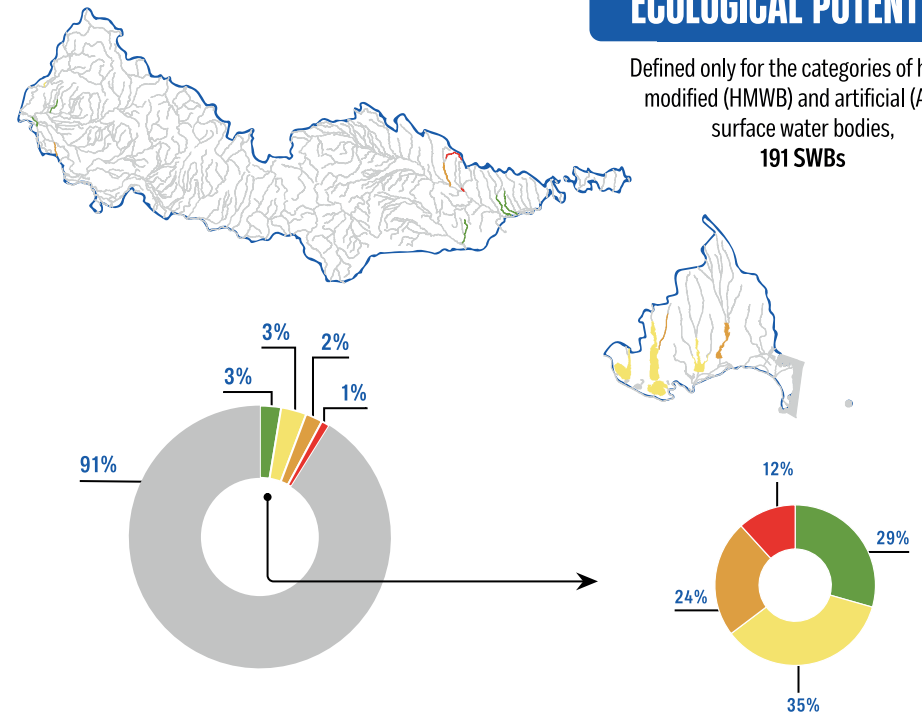
Defined only for the category of natural surface water bodies, 694 SWBs



● high status
 ● good status
 ● moderate status
 ● poor status
 ● bad status
 ● no monitoring data

ECOLOGICAL POTENTIAL

Defined only for the categories of heavily modified (HMWB) and artificial (AWB) surface water bodies, 191 SWBs



● good potential
 ● moderate potential
 ● poor potential
 ● bad potential
 ● no monitoring data

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:

benzo(a)pyrene, benzo(g,h,i)perylene, fluoranthene, benzo(b)fluoranthene, benzo(k)fluoranthene, cypermethrin, cybuthrin, dicofol, dichlorvos, cadmium, anthracene, nickel and its compounds, lead and its compounds, mercury and its compounds.

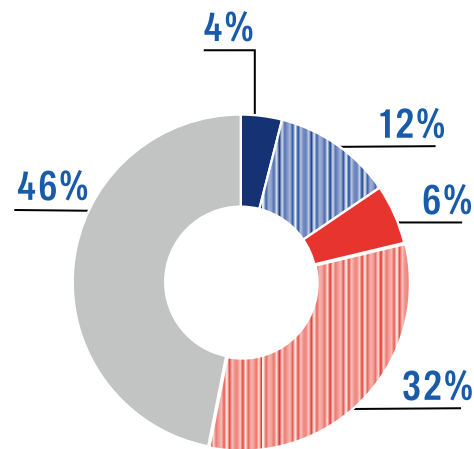
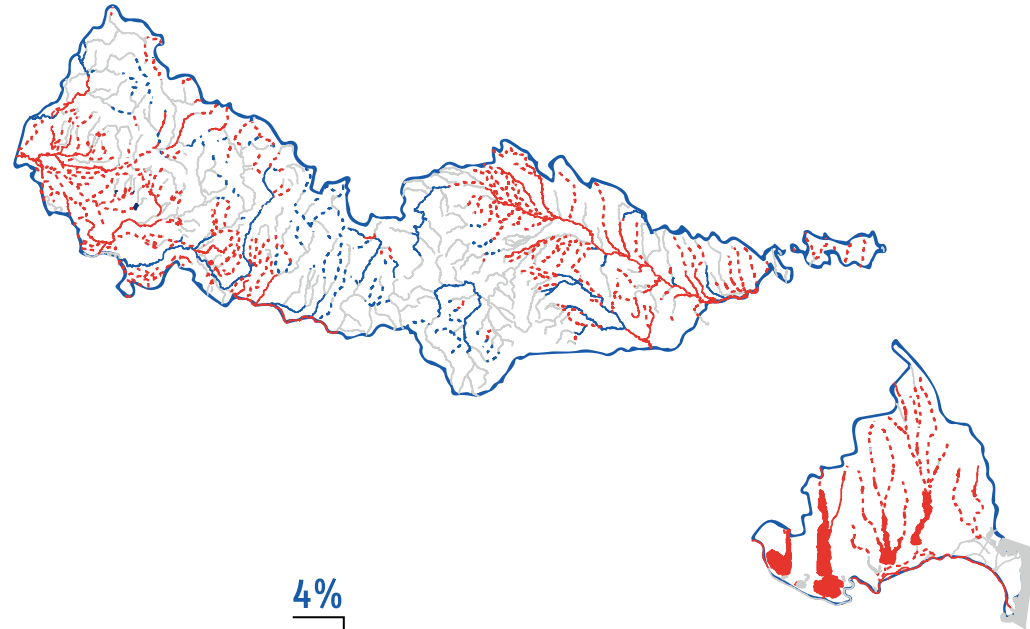


Chemical monitoring of GWBs is not conducted at present.



<https://cutt.ly/EenguUfB>

List of pollutants

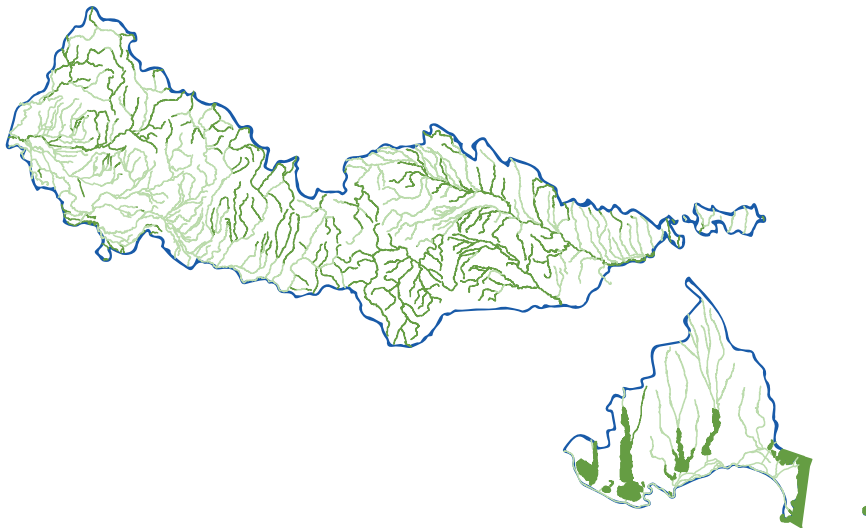


ENVIRONMENTAL OBJECTIVES FOR SWBs *

- 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**

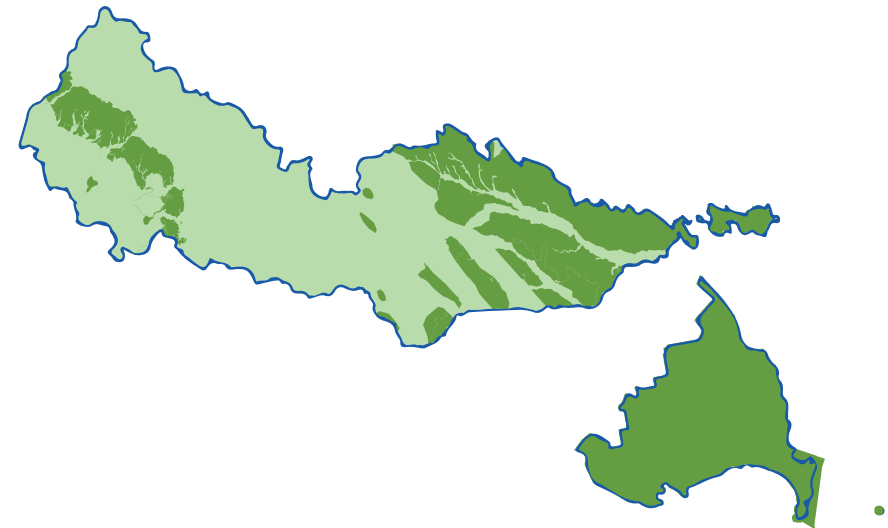
ENVIRONMENTAL OBJECTIVES FOR GWBs **

- 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



<https://cutt.ly/oengy9jl>

Link to the methodology document

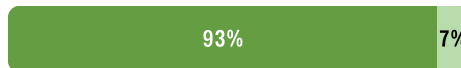


Timeframe for achieving the good ecological status of SWBs



■ by 2030 ■ in the following cycles of the RBMP implementation

Timeframe for achieving the good chemical status of SWBs



■ by 2030 ■ in the following cycles of the RBMP implementation

Timeframe for achieving the good chemical status of GWBs



■ by 2030 ■ in the following cycles of the RBMP implementation

Timeframe for achieving the good quantitative status of GWBs

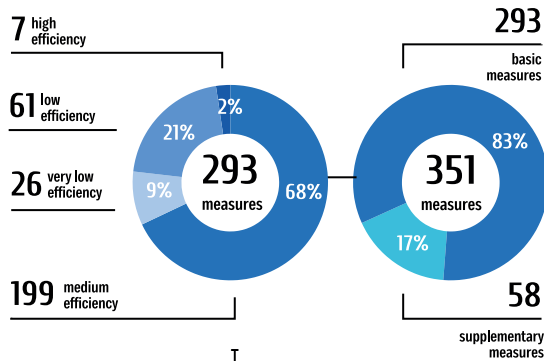


■ by 2030 ■ in the following cycles of the RBMP implementation

* 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



€461M*

TOTAL COSTS OF MEASURES

€22*

COSTS OF MEASURES PER INHABITANT PER YEAR



<https://cutt.ly/ce0DaACp>

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

HYDROMORPHOLOGY

- Cleaning the Kyslytskiy branch of the Danube River
- Revitalization of the Karasulak River
- Cleaning and deepening the riverbed for restoring the free flow of the Kyrgyz-Kitay, Kyrgyz, Aliyaga and Dunayets rivers
- Measures aimed at improving / restoring the hydrological regime and morphometric characteristics of the Stary Botar and Latorytsia rivers at the Ukrainian-Slovak border
- Carrying out measures to mitigate channel regulation works on the rivers of Teresva, Mokryanka, Luzhanka, Tereblya, Rika, Pynia, Vyznytsia, Uzh, Lyutyanka, Turya, Turytsia, Lazeshchyna
- Reconstruction of the hydraulic structure and dismantling of the temporary crossing for the purpose of revitalizing the Hlynysia River at Drachyntsi village
- Clearing of Dandorskiy Pond and Karasulskiyy Reservoir

SANITATION

- Reconstruction of WWTPs and SNs** in Uzhhorod, Mukachevo, Berehove, Khust, Kolomyia, Izmail, Chernivtsi cities
- Reconstruction of WWTPs in Tyachiv, Kosiv, Vynogradiv, Rakhiv, Svalyava, Chop, Perechyn, Irshava cities, Volovets, Zabolotiv, Hlyboka, Vorokhta, Velykyi Bereznyi, Mizhhirya, Solotvyno, Yasinya, Zhdeniyevo, Vyshkovo towns, Nelipyno, Mynai villages...
- Reconstruction of WWTPs and SNs in Putyla and Zastavna cities, Kitsman town...
- Construction of a WWTP in Vylkove city
- Construction of WWTPs and SNs in Yaremche, Storozhynets, Vashkivtsi, Novoselytsa, Hertsya, Reni cities... Vorokhta, Vylok, Teresva, Dubove towns... Tereblya, Iza, Synevyr, Zaarichchia, Kolochava, Chynadiiovo villages...
- Reconstruction of WWTPs at the PJSC "EUROKAR" and LLC "RIK" in Solomonovo village, the LLC "WINE COMPANY SHATO CHIZAI" in Orosiyevo village
- Reconstruction of the WWTP and SN at the "Meat World Farm" in Zhukovo village
- Construction of a WWTP and stormwater drainage networks at the ALC "Perechyn Timber and Chemical Plant"

AGRICULTURE

- Establishment of water and bank protection zones at water bodies in 16 territorial communities of Odesa oblast as well as in Zakarpattia, Chernivtsi and Ivano-Frankivsk oblasts

INDUSTRY

- Rehabilitation of the territory of the former oil storage facility and prevention of pollution from oil refining products in the border zone of Reni community (Izmail district, Odesa oblast)

OTHER

- Creation of wastewater treatment and waste disposal complexes at the area of the Danube sea ports
- Construction of a waste processing plant in the territorial community of Zakarpattia oblast
- Improvement of water use accounting
- Measures to localize and remove invasive plants (common ragweed and Sosnowsky's hogweed) in bank protection zones of the Tysa River sub-basin, Zakarpattia oblast
- Assessment, tracking of changes in the basin status and carrying out works to restore the watersheds of the Polyanskiy and Ploskiykiy forestries

TOTAL COSTS OF MEASURES

€364M
of 79%

HIGH EFFICIENCY



24% of the budget



benefit for 674K ppl.

MEDIUM EFFICIENCY



57% of the budget



benefit for 1665K ppl.

LOW EFFICIENCY



16% of the budget



benefit for 917K ppl.

VERY LOW EFFICIENCY



3% of the budget



benefit for 104K ppl.

SUPPLEMENTARY MEASURES

58 measures

benefit for 3,5M ppl.

- Inventory and subsequent rehabilitation / repairing or preservation of the network of observation wells
- Development of recommendations for the restoration of the forest landscape of the river valley
- Development of a methodology for determining and calculating the ecological flow
- Development of a Drought Management Plan (DMP) as part of the RBMP
- Inventory of barriers that impede the free flow of rivers and prioritization of their removal
- Collection and use of rainwater and "grey" water
- Educational activities

* 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

