Khotyn Fortress © Blue Rivers

II

River Basin Management Plan

Dniester 2025–2030

Funded by the European Union

EU4Environment
Water and Data in Eastern Partner Countries

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State Agency of Water Resources of Ukraine

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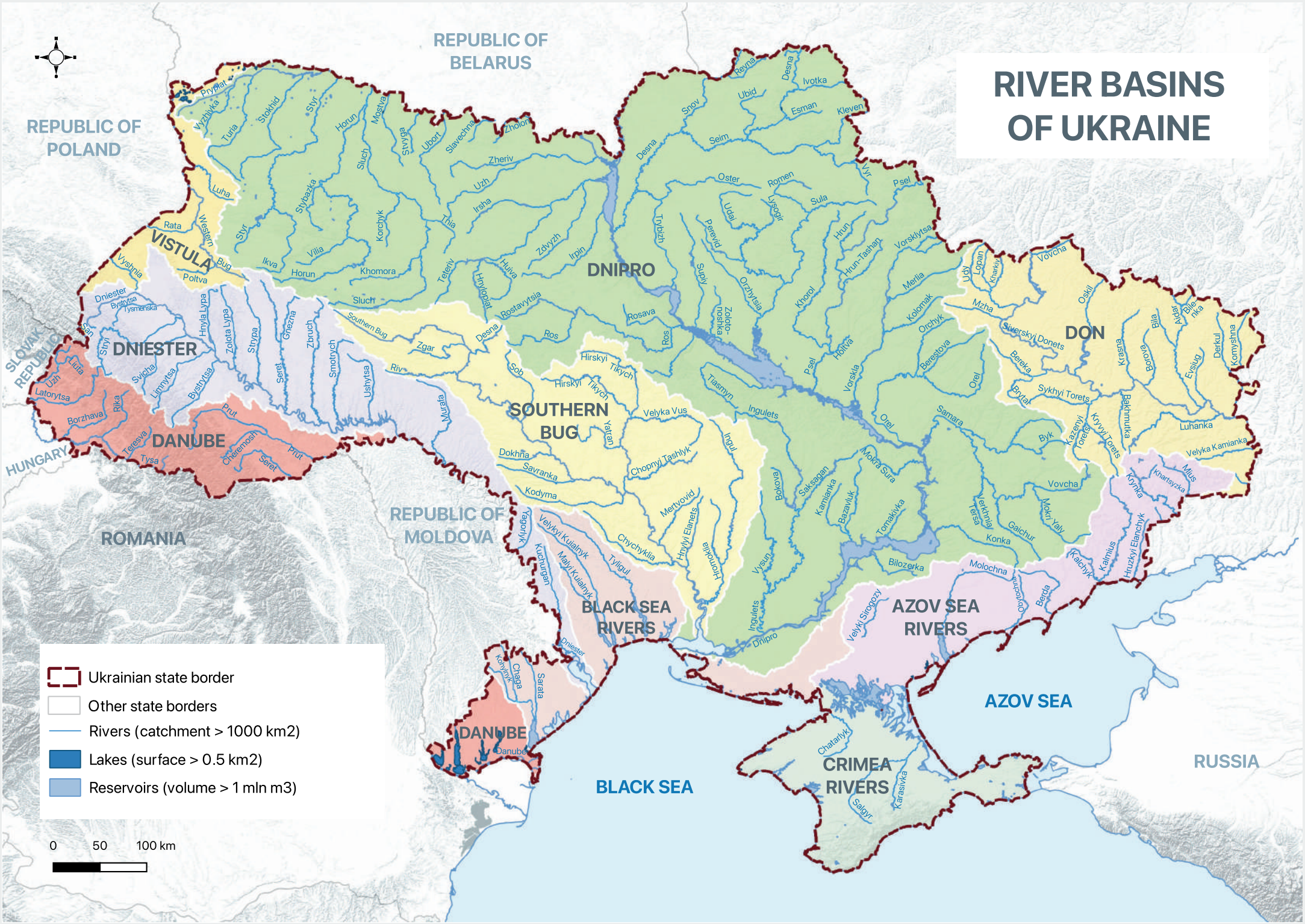

RIVER BASINS OF UKRAINE
REPUBLIC OF BELARUS
REPUBLIC OF POLAND
SLOVAK REPUBLIC
HUNGARY
ROMANIA
REPUBLIC OF MOLDOVA
RUSSIA
VISTULA
DNIESTER
DANUBE
SOUTHERN BUG
DNIPRO
DON
BLACK SEA RIVERS
AZOV SEA RIVERS
CRIMEA RIVERS
BLACK SEA
AZOV SEA
Ukrainian state border
Other state borders
Rivers (catchment > 1000 km2)
Lakes (surface > 0.5 km2)
Reservoirs (volume > 1 mln m3)
0
50
100 km

RIVER BASIN MANAGEMENT PLAN – DNIESTER

RIVER BASIN GEOGRAPHY

The transboundary Dniester River Basin is located on the territory of **three countries**: Ukraine, the Republic of Moldova and the Republic of Poland.

The basin is located within **7 oblasts of Ukraine**: Lviv, Ivano-Frankivsk, Chernivtsi, Ternopil, Khmelnytskyi, Vinnytsia and Odesa.

1154 surface water bodies (SWBs):

835 rivers
0 lakes
2 transitional waters
1 coastal waters
286 HMWBs*
30 AWBs*

20 groundwater bodies (GWBs)

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

RIVER BASIN MANAGEMENT PLAN – DNIESTER

ECOLOGICAL STATUS AND POTENTIAL

MAIN ELEMENTS:

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

SUPPORTING ELEMENTS:

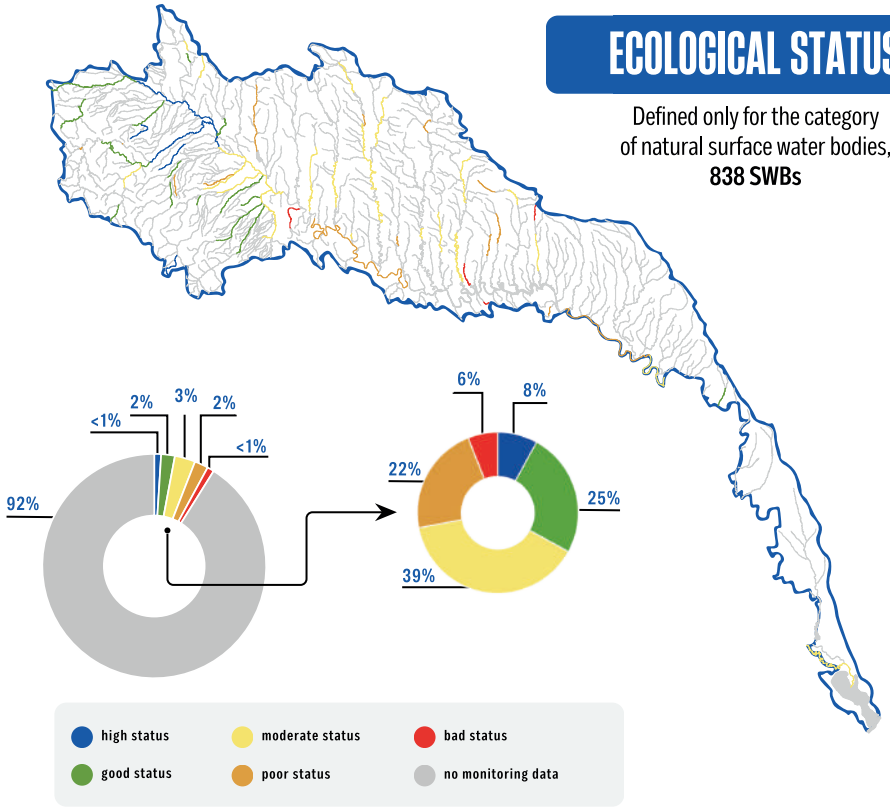
- Chemical and physico-chemical parameters
- Hydromorphology (flows, sediments)
- Basin specific (synthetic and non-synthetic) pollutants

https://cutt.ly/cenginwr

Link to the methodology document

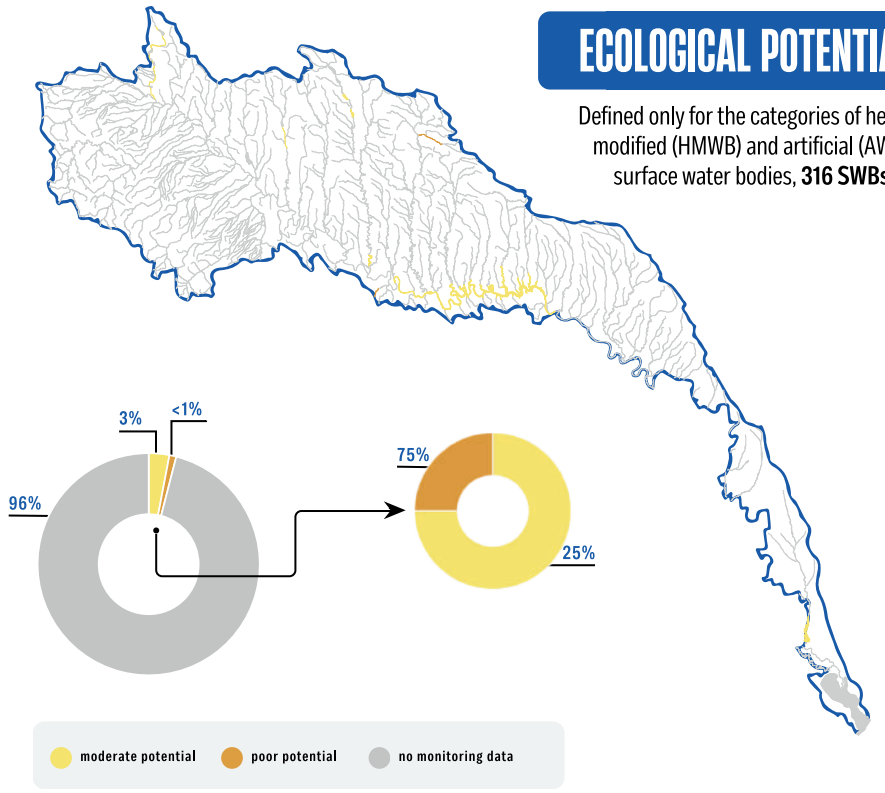
ECOLOGICAL STATUS

Defined only for the category of natural surface water bodies, **838 SWBs**



ECOLOGICAL POTENTIAL

Defined only for the categories of heavily modified (HMWB) and artificial (AWB) surface water bodies, **316 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".**

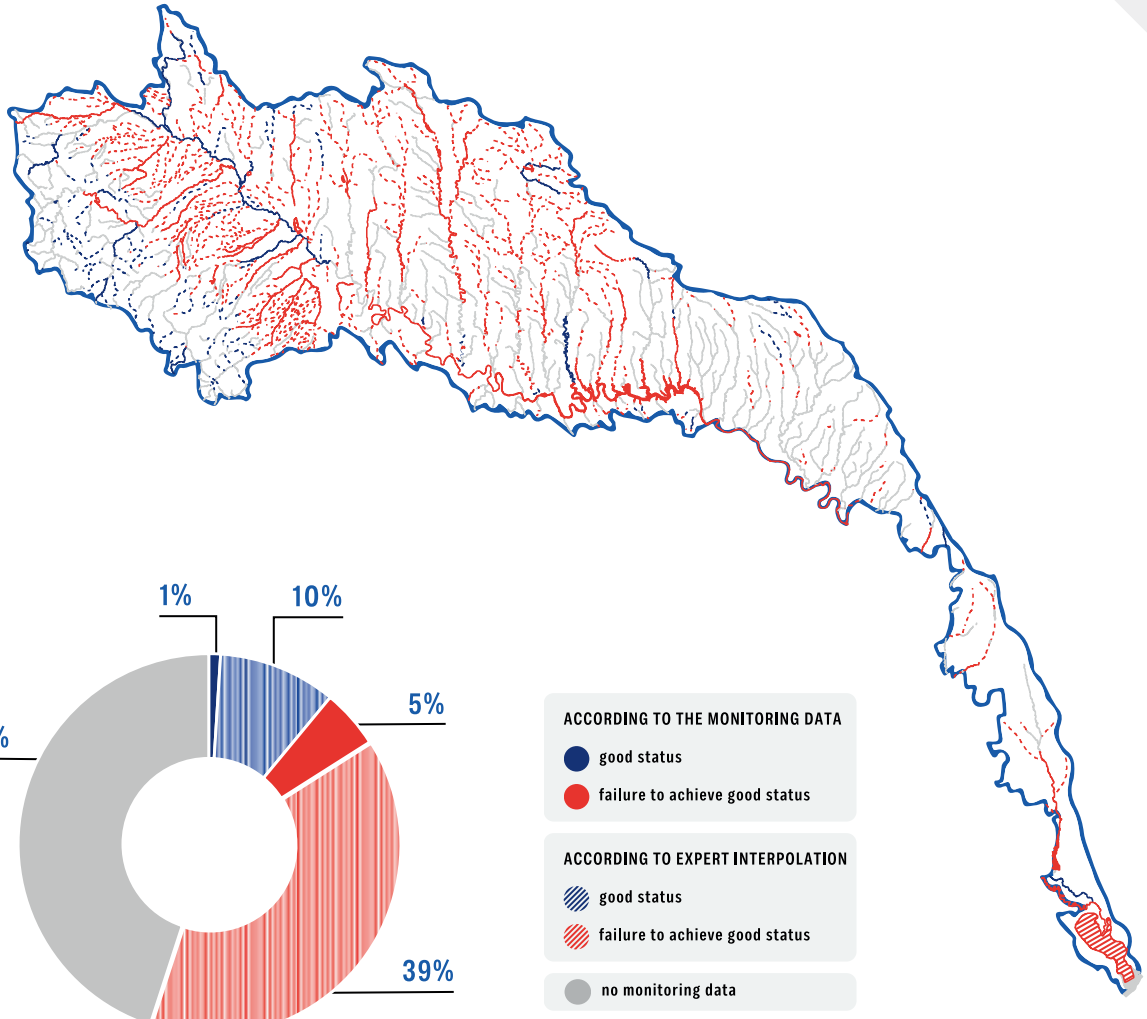
Exceedances of the following pollutants were identified:

benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene, cadmium, mercury, lead, fluoranthene, endosulfan, chlorpyrifos (chlorpyrifos-ethyl), acloniphene, anthracene, nonylphenols (4-nonylphenol).

Chemical monitoring of GWBs is not conducted at present.

https://cutt.ly/EenguUfB

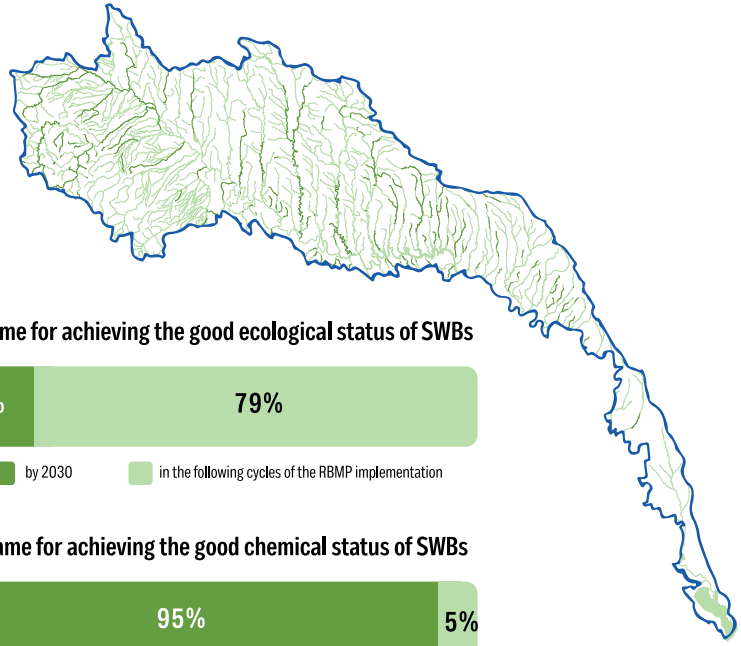
List of pollutants



RIVER BASIN MANAGEMENT PLAN – DNIESTER

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**

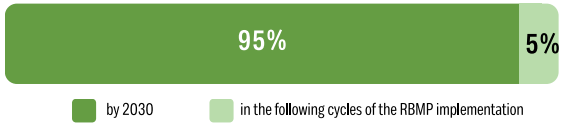


https://cutt.ly/oengy9jl

Link to the methodology document

Timeframe for achieving the good ecological status of SWBs

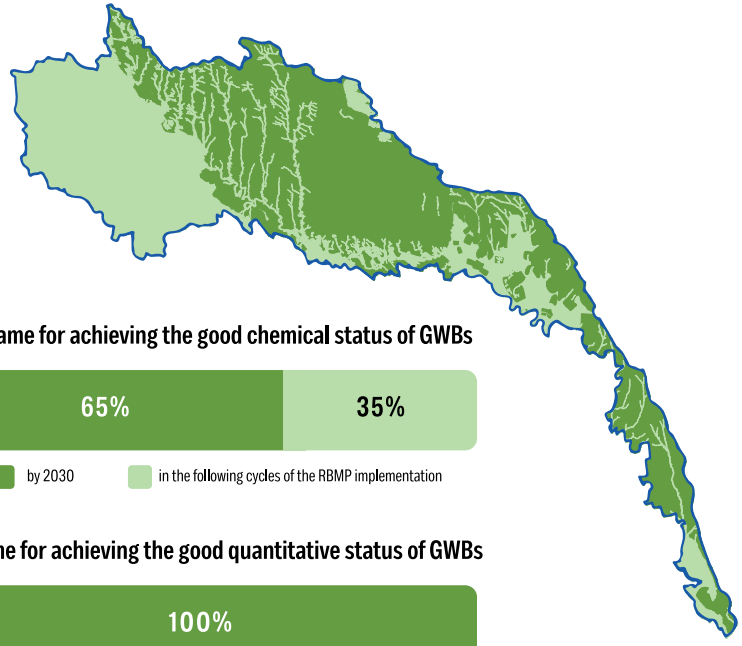
Timeframe for achieving the good chemical status of SWBs



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

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**



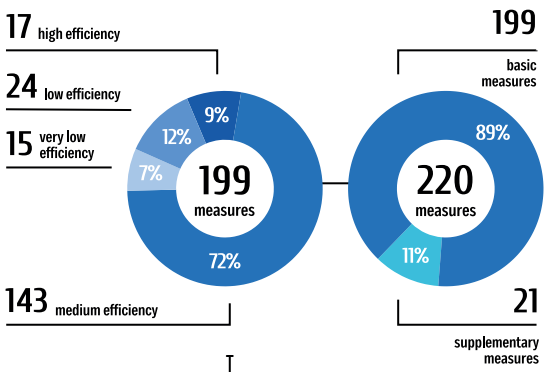
Timeframe for achieving the good chemical status of GWBs

Timeframe for achieving the good quantitative status of GWBs

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

RIVER BASIN MANAGEMENT PLAN – DNIESTER

PROGRAMMES OF MEASURES



€608M*

TOTAL COSTS OF MEASURES

€19*

COSTS OF MEASURES PER INHABITANT PER YEAR

https://cutt.ly/ce0DaACp

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

SANITATION

1. Reconstruction of WWTPs** in the cities of Ivano-Frankivsk, Stryi, Kamianets-Podilskyi, Mohyliv-Podilskyi
2. Reconstruction of WWTPs and SNs** in Drohobych community and in the cities of Bilhorod-Dnistrovskyi, Ternopil, Morshyn, Chortkiv, Novyi Rozdil, Dolyna
3. Construction of WWTPs and SNs in Kalush and Sambir communities
4. Reconstruction and fixing of the dyke crossing the sewage collector over the Bystrytsia Solotvynska River in Ivano-Frankivsk city
5. Treatment of rainwater runoff into the Zubra River in Lviv community
6. Construction of WWTPs in the Nadvirna, Horodok, Halych, Truskavets communities, and the villages of Shabo, Lanivka...
7. Construction of WWTPs and SNs in Mykolaivska, Boryslavska communities... in the towns of Berezhany, Terebovlia... and the villages of Ovidiopol, Moshanets...
8. Reconstruction of WWTPs and SNs in Komarnivska, Shchyretska communities... in the cities of Mykolaiv, Bilyayivka, Zalishchyky... and the villages of Slavske, Husiatyn, Stradch, Davydiv, Velyki Hai...
9. Reconstruction of WWTPs in Yampil, Horodenka, Khotyn towns... in the villages of Kelmentsi, Hvardiyske... and at the State Institution "Raykivetska Correctional Colony (No. 78)"
10. Measures aimed at solving problems related to environmental pollution by household waste, including littering by plastics

TOTAL COSTS OF MEASURES €517M or 85%

HYDROMORPHOLOGY

1. Restoration of the riverbed, removal of dams at the Velykyi Kanai, Yahorlyk, Soshka, Frasyno, and Malorosha rivers
2. Restoration of hydromorphological characteristics and hydrological regime, revitalization of the Ternava, Dovzhok, Hnizna, Zbruch rivers, Lake Bile, and "City Lake" pond
3. Development and implementation of measures to mitigate the negative impact during the construction of the Yampil-Koseut bridge
4. Restoration of hydromorphological characteristics of the Potik, Hnyla Lypa, Zbruch, Smotrych, Ushytsia, Rybnytsia, Onut rivers...

INDUSTRY

1. Recultivation of ash ponds of the Cuchurhan Power Station
2. Reconstruction of the sludge reservoir at the complex of water treatment facilities in Cherniiv city
3. Elimination of sources of groundwater pollution and land reclamation of the "Oriana-Eko" LLC territory
4. Reconstruction of the accumulator pond No. 4 of the Oil Pumping Preparation Shop in the village of Yavoriv

AGRICULTURE

1. Designation of water protection zones and bank protection strips
2. Prevention of contamination by hazardous substances from a poison burial in the village of Zhuryn, Vinnytsia oblast (transboundary effect)

OTHER

1. Prevention of destruction/damage of natural areas at territories and objects of the NRF (Natural Reserve Fund)
2. Development and reactivation of the groundwater monitoring network
3. Localization and removal of hotbeds of invasive plants in coastal protective strips of the Bystrytsia Nadvirnyanska, Vorona, Bystrytsia Solotvynska rivers

HIGH EFFICIENCY

50% of the budget — benefit for **2442K** ppl.

MEDIUM EFFICIENCY

42% of the budget — benefit for **1130K** ppl.

LOW EFFICIENCY

7% of the budget — benefit for **182K** ppl.

VERY LOW EFFICIENCY

1% of the budget — benefit for **87K** ppl.

SUPPLEMENTARY MEASURES

21 measures

benefit for **5202K** ppl.

1. Measures for the protection, conservation and restoration of water resources
2. Research and inventory of the main massifs of wetlands in Chernivtsi Oblast
3. Adaptation to climate change in the Dniester River Basin
4. Analysis of the hydrological regime of the Dniester in the context of climate change

* 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