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захисту довкілля  
та природних ресурсів  
України

## EU4ENVIRONMENT WATER AND DATA NATIONAL POLICY DIALOGUE – UKRAINE

### THEMATIC SESSION 1: DIALOGUE ON WATER RESOURCES MANAGEMENT IN THE FRAMEWORK OF THE EU4ENVIRONMENT WATER RESOURCES AND ENVIRONMENTAL DATA PROGRAMME

15 June 2023

Implementing partners



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## THEMATIC SESSION 1

- Towards sustainable management of water resources, Ukraine has a number of priority areas that are interlinked:
  - **Social**, including equitable access to water supply and sanitation, public health, affordability of service
  - **Environmental**, including tackling pollution, addressing sustainable water use and the impacts of climate change
  - **Economic**, including levels and application of taxes and subsidies
  - **Legislative**, including progressing alignment with relevant EU directives
- EU4Environment Water and Data aims to support Ukraine in making progress against these priorities with a number of key activities:



## DNIPRO RIVER BASIN MANAGEMENT PLAN (RBMP)



300,000 km<sup>2</sup> - 4 Basin Councils

Period 2025-2030 - First draft to be ready in Nov. 2023 - Consultation in 2024

5 parts - 2 Guidance documents



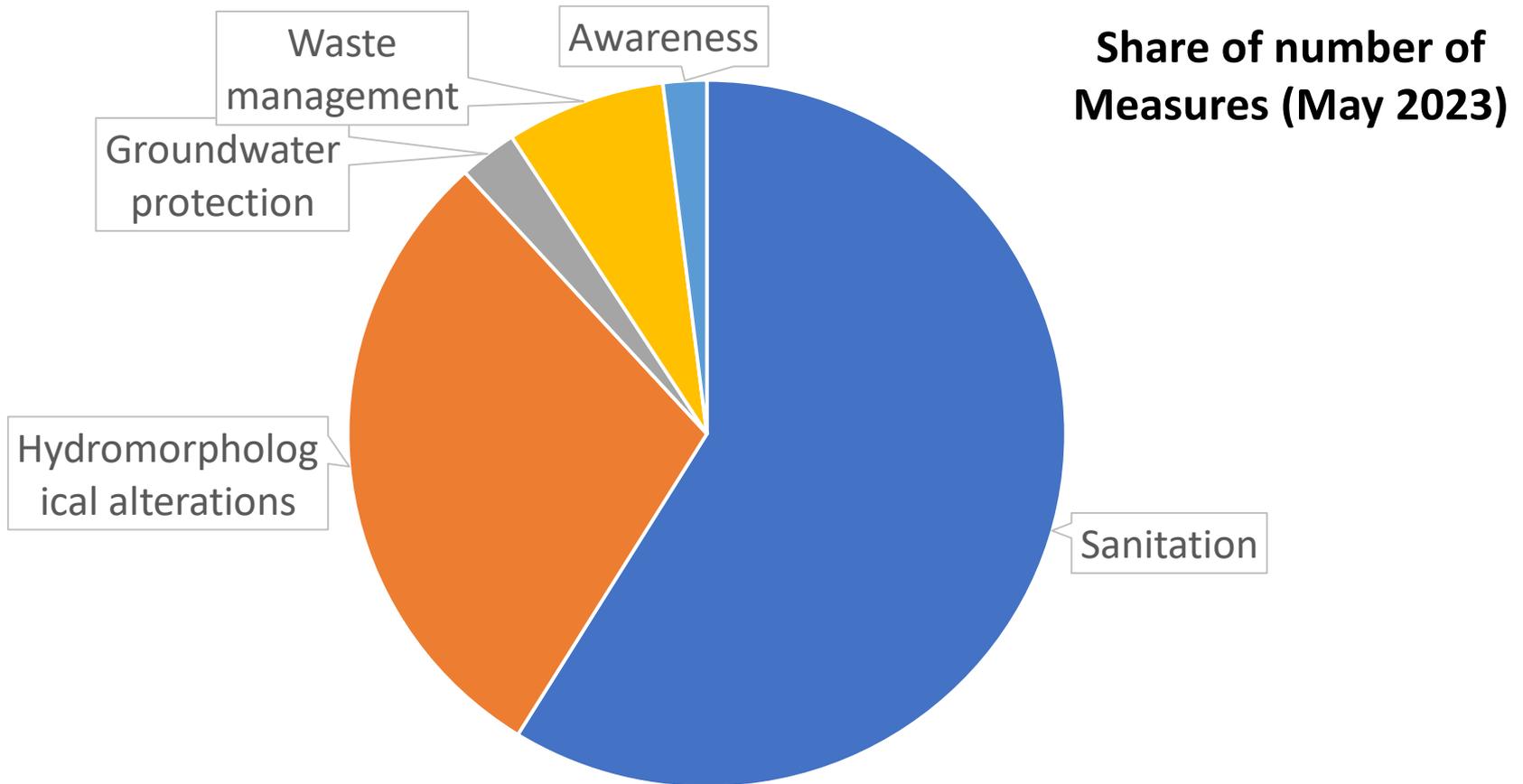
## DNIPRO RIVER BASIN MANAGEMENT PLAN (RBMP)

- Process and outline in accordance with Cabinet of Ministers of Ukraine Decree N°336 and European Water Framework Directive Annex 7.
- Updating and completion are on-going from the Feb. 2021 version of the Dnipro RBMP with Ukrainian experts.
- Template for measures collection and presentation established.
- 7 workshops organised, 300 participants.
- Dnipro experience to be applied to all Ukrainian River Basin Districts.

1 Description of the Basin
2 Pressures and Impact
3 Protected areas
4 Monitoring system
5 Environmental objectives
6 Economic analysis
7 Programme of Measures



## DNIPRO RIVER BASIN MANAGEMENT PLAN (RBMP)





## DNIPRO RIVER BASIN MANAGEMENT PLAN (RBMP) SANITATION MEASURES

<b>Number of Rivers</b>	<b>Total</b>	<b>Addressed in the Programme of Measures with sanitation measures</b>	<b>%</b>
Impacted by urban wastewater	118	76	64%
Probably impacted by urban wastewater	6	2	33%
Not impacted by urban wastewater	3361	99	3%

*Version May 2023*

For 172 sanitation measures (out of 270):

Average cost per inhabitant : 11 135 UAH/person (275 EUR/person)

Population concerned: 8 200 000 people

Total cost: Around 90 billions UAH (2.2 billions EUR)

**Consistency between the Programme of Measures and the Recovery Plan to be achieved**



## WATER MONITORING

- Objective: Extend monitoring **networks, frequency, parameters and interpretation** based on EUWI+

### *Monitoring Development Plans*

#### **SURFACE WATER:**

- Support to review (Blue Rivers) the **UA regulation on water body classification**: preliminary compliance of status assessment (since Sep 2022)
- Support to determine **Nitrate-vulnerable Zones (NVZ)**: due to lack of data -> new proposal (with Hydromet Institute) of provisional NVZ to the *WG of Ministries for Agriculture and Environment*
- **Trainings** on
  - 1) **Phytobenthos** Lecture I (sampling, lab treatment, and identification) April 2023;  
Upcoming:
  - 2) Phytobenthos Lecture II (morphology, microscopic analysis, literature, online sources): Sept. 2023
  - 3) Omnidia Software Training (management of diatom inventories) in Q4 2023

#### **GROUNDWATER:**

- Exchange of EU experience on **GW body delineation, GW quality standards** and the use for DW;
- 3 March 2023: online discussion of possible fields of GW support
- Recommendation for simplification of **risk assessment methodology**, RBMP chapters on GWB.

#### Monitoring and assessment of **TRANSBOUNDARY WATERS:**

- On hold due to war in UA and to limited laboratory capacities.
- Support of **trilateral MoU for Prut River Basin** and UA participation at **ICPDR Expert Groups**



## WATER MONITORING - LABORATORY

- Nov 2022: **Regional training** for WFD compliance with GC MS/MS equipment on ISO 28540 - determination of 16 polycyclic aromatic hydrocarbons (PAH) in water
  - together with GC experts from **AM, AZ, GE, MD** and **Ukraine**
- **Regional trainings** for WFD compliance are planned, where UA lab experts will be invited:
  - 29.8. - 1.9.2023 on PAH and organochlorine pesticides, in Tbilisi/Georgia
  - 9.-13.10. and 16.-20.10.2023 on volatile organic carbons (VOCs) and alkylphenols (OP, NP) in Baku/Azerbaijan.
- Participation in **proficiency testing** (highly relevant for ISO 17025 accreditation) was not possible to date (mainly import restrictions)
- Requests to provide financing for more **pollution screenings** and **independent electricity supply** significantly exceed the budget possibilities.
- Planned **field surveys** on surface and groundwater postponed



1. © MEPA  
2. © Ketii Metreveli



## WATER MONITORING – COVID-19 WASTEWATER MONITORING

**Introduce the new EU standard of WW-based epidemiology:** early detection, representative, low cost

- 2022: various meetings with PATH as national coordinating entity, looking for synergies (US-funded project)
- Assess missing technical support
- PATH started in November 2022 to establish and extend a continuous monitoring in 9 regions, covering 36 sampling sites

### Next steps and milestones in 2023:

- Organize the **transfer of one autosampler** to PATH to facilitate mobile sampling (donation by the City of Vienna)
- Online workshops on 19 + 23 June: **normalisation** of wastewater results
- Further support in the field of **data management and statistics**
- Regional workshop on 3 July on **setting up a national system for wastewater-based epidemiology** by water & health decision-makers, together with the EC  
e.g. the Kakhovka dam disaster triggers epidemiological threats



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## WATER AND HEALTH

- ✓ Supported development and submission of the country report on the Protocol and Water and Health
- ✓ PWH-related national targets became a part of the Water Strategy of Ukraine until 2050

## WATER GOVERNANCE AND TRANSBOUNDARY COOPERATION

### ➤ SUPPORTED

- THE DNIESTER COMMISSION'S WG ON MONITORING
- RO-MD-UKR MOU ON THE PRUT - NOW

**REPORTING UNDER SDG INDICATOR 6.5.2** - UNTIL 30 JUNE 2023! PLEASE **SHARE A DRAFT WITH US AND COORDINATE WITH NEIGHBOURS**



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## UN 2023 WATER CONFERENCE (22-24 MARCH 2023, NEW YORK):



UN  
2023 WATER  
CONFERENCE

NEW YORK  
22-24  
MARCH  
2023

### **Proposed topics for the interactive dialogues**

**Water for Health:** Access to safe drinking water, hygiene and sanitation (SDG 6.1, 6.2, 6.3 and SDGs 1, 3, 4, 5, 17);

**Water for Development:** Valuing Water, Water-Energy-Food Nexus and Sustainable Economic and Urban Development (SDG 6.3, 6.4, 6.5 and SDGs 2, 8, 9, 11, 12);

**Water for Climate, Resilience and Environment:** Source to Sea, Biodiversity, Climate, Resilience and DRR (SDGs 6.5, 6.6, 7, 11.5, 13, 14, 15);

**Water for Cooperation:** Transboundary and International Water Cooperation, Cross Sectoral Cooperation and Water Across the 2030 Agenda (SDG 6.5, 6.b and SDGs 16, 17);

**Water Action Decade:** Accelerating the implementation of the objectives of the Decade, including through the UN Secretary-General's Action Plan.

More information at: <https://sdgs.un.org/conferences/water2023>



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More than 700 commitments

<https://sdgs.un.org/partnerships/action-networks/water>



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## TRANSBOUNDARY WATER COOPERATION COALITION

**A catalysing framework for commitments and progress on transboundary water cooperation**

**Objective** – “Promote and support both the sustaining and the advancement of transboundary water cooperation in the context of the Water Action Agenda and Sustainable Development Goal 6 on clean water and sanitation, in light of growing risks, including those linked to climate change”





## ECONOMIC INSTRUMENTS AND MOBILISING FINANCE

### ***Study on methodological recommendations for the revitalisation of watercourses and freshwater ecosystems in Ukraine***

- Financing revitalisation is vital for implementation of EU WFD, other EU policies
- Study assesses financial mechanisms for RBMP implementation, including domestic finance (tariffs, fees, and taxes), national green bonds, and international sources such as the Horizon Europe, Interreg, and LIFE programmes.
- Considers potential of Nature-based Solutions (NbS) to support restoration work, including criteria for selecting appropriate NbS and planning their implementation.
- Includes a detailed set of “Methodological Recommendations, consulted and supported with the Scientific and Technical Council of the State Agency of Water Resources of Ukraine.

### ***Upcoming work***

- Link to water strategy implementation
- Regional workshop on financing water and environmental resilience: 28-29 June
- Assessment of enabling environment for water finance and available sources <sup>14</sup>