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Міністерство
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:



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DNIPRO RIVER BASIN MANAGEMENT PLAN (RBMP)



300,000 km² - 4 Basin Councils

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

5 parts - 2 Guidance documents



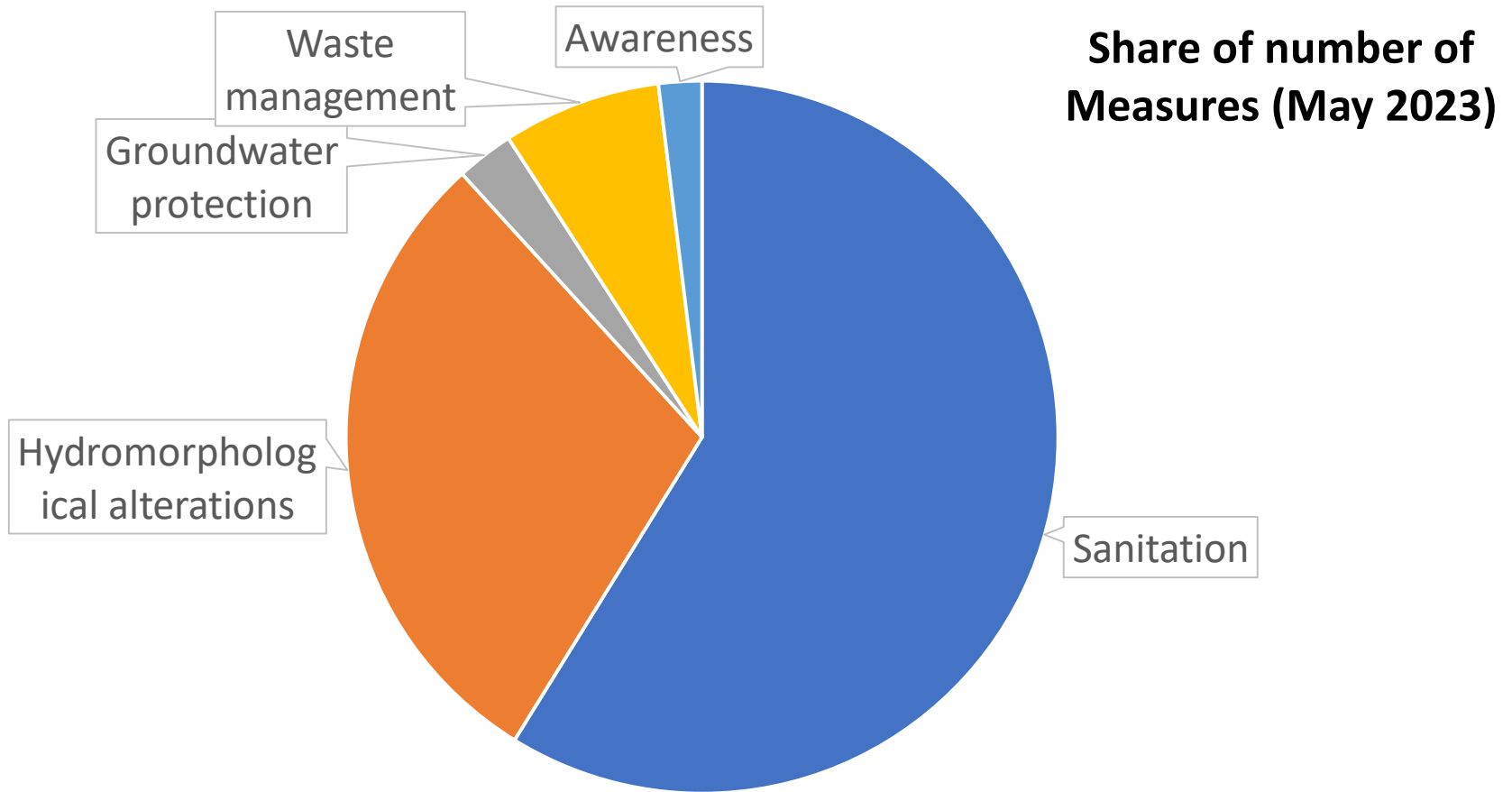
DNIPRO RIVER BASIN MANAGEMENT PLAN (RBMP)

- 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

Number of Rivers	Total	Addressed in the Programme of Measures with sanitation measures	%
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):



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 ¹⁴