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EU4Environment
Water and Data in Eastern Partner Countries

EU4Environment – Water Resources and Environmental Data

TERMS OF REFERENCES FOR LOCAL CONTRACTOR

UPDATE AND FINALISATION OF THE RIVER BASIN MANAGEMENT PLAN (RBMP) FOR DNIPRO RIVER BASIN IN UKRAINE

AUGUST 2022

1. Financing

European Union (ENI/2021/424-550)

Co-financing by Austria (Austrian Development Agency) and France (Artois Picardie Water Agency)

2. Procedure

Simplified procedure according to EU PRAG¹

3. Contracting Authority

International Office for Water (OiEau) - France

4. Nature of contract

Service contract

5. Time period of implementation

October 2022 – July 2024

6. Contract amount (optional)

Maximum amount: 55 000 EUR

¹ Practical Guide to Contract Procedures for EU External Actions

7. Background information

The Programme “EU4Environment – Water Resources and Environmental Data” (hereinafter - the Programme) aims to operationalise several key mechanisms to preserve natural resources, enabling countries’ green growth in line with the European Green Deal and a post-COVID-19 green recovery. This will contribute towards longer-term environmental, climatic, and socio-economic resilience, and improved human health and wellbeing, as well as the achievement of the Sustainable Development Goals (SDGs).

The Programme’s specific objectives are:

- Specific Objective 1 “Water resources management”: Water policies and practices support more sustainable use of freshwater resources and help reduce the adverse impacts of human activities on water quality and ecosystems.
- Specific Objective 2 “Environmental statistics and open data”: The use of sound environmental statistics by the partner countries is extended and improved, and better availability of policy-relevant data to decision-makers and citizens is ensured.

The Programme, primarily financed by the European Union and co-financed by Austria and France, is implemented by three Member State agencies: Umweltbundesamt GmbH (also called “UBA” or “Environment Agency Austria”), Austrian Development Agency (ADA) and International Office for Water (OiEau, France) as well as two international organisations (OECD and UNECE). These 5 organisations are the Implementing Partners.

During the previous project EU Water Initiative Plus (EUWI+), the development of a River Basin Management Plan (RBMP) began for the Dnipro River Basin District in Ukraine. The Draft Dnipro RBMP first part (main document, February 2021) is divided in 5 sections:

- section 1 for the whole Dnipro River Basin in Ukraine;
- section 2 for the Upper Dnipro and Desna River Basin;
- section 3 for Middle Dnipro River Basin;
- section 4 for Lower Dnipro River Basin;
- section 5 for Pripjat River Basin.

The Beneficiaries of this work are:

- the Ministry of Environmental Protection and Natural Resources of Ukraine (MEPR),
- The State Agency for Water Resources of Ukraine (SAWR).

In addition, the following stakeholders and stakeholder groups have been identified and involved (at least during the consultation):

other Ministries concerned, scientific and technical institutes, Basin Management Authorities for Water Resources (“BUVR”), Basin Councils, local authorities in the river basin district, irrigation sector, hydropower sector, representatives of industries, big and small farmers, fish farms, tourism, local NGOs, etc.

8. Scope of work and deliverables

8.1 Scope of work

The main objective of this assignment is to finalise the draft of the Dnipro RBMP in Ukraine (around 300,000 km², see map in annex 1), in line with the European Water Framework Directive (WFD) (Directive 2000/60/EC), the Decree from the Cabinet of Ministers of Ukraine (CMU) of 18 May 2017 No. 336 on the preparation of River Basin Management Plan and the Order of the Minister of Environment and Natural Resources of Ukraine (MENR) of 26 January 2017 No.23 on Basin Councils (with updates dated 1st September 2021 No. 992 <https://zakon.rada.gov.ua/laws/show/922-2021-%D0%BF#n2>).

The Contractor will complete and update existing chapters and will develop additional ones (e.g. Programme of Measures). In doing so, the Contractor will take into account the environmental and other relevant damages stemming from Russia's war of aggression.

The Contractor will update and complete the existing RBMP, version February 2021. This process will be based on:

- Desk review of available data, existing reports and literature;
- Meetings with stakeholders and brainstorming;
- Data analysis and drafting,
- Continuous support from the Implementing Partners (mainly OiEau and UBA).

No new field surveys neither additional census are required a part of this assignment.

The status of the existing chapters and the additional tasks required are described in the table below:

<i>Required tasks per chapter</i>	
Chapter	Status and tasks
1 Description of the River Basin	Chapter available. The Contractor will complete it with: <ul style="list-style-type: none">• Reference conditions for the sub-basins The Contractor will review it with: <ul style="list-style-type: none">• Re-delineation/subdivision of groundwater bodies in accordance with the boundaries of the 4 sub-basins

Chapter	Status and tasks
<p>2 Significant pressures and impact assessment of human activity</p>	<p>Chapter available. The Contractor will complete it with:</p> <ul style="list-style-type: none"> • War damages (direct and indirect) • Accidental pollution and impact of contaminated areas (landfills, etc.) on surface water • Pressures analysis and risk assessment for Transitional Water Bodies (2 water bodies) <p>The Contractor will update it with:</p> <ul style="list-style-type: none"> • Hydromorphological alterations <p>The Contractor will review it with:</p> <ul style="list-style-type: none"> • Re-delineated groundwater bodies
<p>3 Protected areas identification</p>	<p>Chapter available. The Contractor will complete it with:</p> <ul style="list-style-type: none"> • New damages, including from war, on Emerald sites and other important protected areas <p>The Contractor will update it with:</p> <ul style="list-style-type: none"> • Progress of delineation of nutrient-sensitive areas, designated as vulnerable zones under Directive 91/676/EEC and sensitive areas under Directive 91/271/EEC
<p>4 Monitoring system and programme</p>	<p>The Contractor will refine this chapter for the whole Dnipro section with:</p> <ul style="list-style-type: none"> • New monitoring results available (transmitted by Ukrainian authorities), • War damages on water bodies status, • Approach for an Ecological Status Classification System (ESCS) including reference conditions and type-specific classification for macroinvertebrates at least, • Approach for defining the Good Ecological Potential (with biological values), • Transitional water bodies. <p>The Contractor will develop chapters for each sub-basin incl. re-delineated groundwater bodies</p>

Chapter	Status and tasks
5 Environmental objectives	<p>Chapter available for the whole Dnipro. The Contractor will update it in light of war damages.</p> <p>The Contractor will developed the chapters for surface water for each sub-basin.</p> <p>The Contractor will review it with:</p> <ul style="list-style-type: none"> • Re-delineated groundwater bodies.
6 Economic analysis,	<p>First part of economic analysis available.</p> <p>The Contractor will develop the second part related to the Programme of Measures.</p>
7 Programme of Measures,	<p>The Contractor will develop this chapter.</p> <p>The war recovery plan will be taken into account and be part of the Programme of Measures.</p>
8 Register and summary of other programmes and management plans for the RBD	The Contractor will develop this chapter.
9 Summary of public information and consultation	<p>Chapter available for the first round of consultation.</p> <p>The Contractor will develop it for the second round of consultation.</p>
10 List of competent authorities	The Contractor will develop this chapter.
11 Contact points and procedure for obtaining information	The Contractor will develop this chapter.

The war damages will be estimated from national authorities' sources. The Programme of Measures will be updated at the date of the final report with the war recovery plan.

The participative process in RBMP development is an important aspect of the assignment (see 9.1 below). At last, results will be used to elaborate the Draft RBMP. The final draft RBMP will be submitted to the Cabinet of Ministers of Ukraine for adoption.

The Contractor will follow methodologies inspired by the European guidance documents developed in the frame of the Common Implementation Strategy (CIS)².

In particular for this assignment, this refers to the following CIS Documents:

- N° 1 – Economics,
- N° 2 – Identification of Water Bodies
- N° 3 - Analysis of Pressures and Impacts
- N° 4 – Identification and Designation of Heavily Modified and Artificial Water Bodies

² See http://ec.europa.eu/environment/water/water-framework/facts_figures/guidance_docs_en.htm

- N° 8 - Public Participation in Relation to the Water Framework Directive
- N° 11 - Planning Processes
- N° 34 - Water Balances Guidance

The Contractor is also required to apply the existing guidance documents produced within the previous EUWI+ project and listed in the table below³:

Concerned guidance documents produced during EUWI+

Geographic scope	Products	Language	Availability
EaP Countries	Guidance to identify relevant methodological documents on WFD implementation and RBMP development	EN	www.euwipluseast.eu
EaP Countries	ToR for RBMP development, adapted to the 6 countries' context and used to guide the development by local consultants	EN	www.euwipluseast.eu
EaP Countries	Methodology for identification, delineation and characterisation of surface water bodies	EN	www.euwipluseast.eu
EaP coastal Countries	WFD relevant coastal monitoring methodologies	EN	www.euwipluseast.eu
EaP Countries	General manual for chemical freshwater sampling (groundwater, surface water)	EN	www.euwipluseast.eu
EaP Countries	General manual for Survey in surface waters	EN	www.euwipluseast.eu
Ukraine	General manual for Survey in surface waters	UA	
EaP Countries	Specific sampling plan for surveys in surface water	EN	www.euwipluseast.eu
Ukraine	Specific sampling plan for surveys in surface water	UA	www.euwipluseast.eu
EaP Countries	Specific manual for chemical surveys in groundwater	EN	www.euwipluseast.eu
EaP Countries	Methodology for the development of a WFD-compliant ecological status classification system (ESCS)	EN	www.euwipluseast.eu
Ukraine	Surface Water Monitoring Development Plan Ukraine	EN	
Ukraine	Surface Water Monitoring Development Plan Ukraine	UA	
Ukraine	Guidance document on pressures and risk assessment for surface water	EN	
Ukraine	Guidance document on pressures and risk assessment for surface water	UA	

³ Given the war context, some of these documents are no more available on line from the website www.euwipluseast.eu. They can be transmitted upon request from the tenderers to the contracting authority and only upon approval by the Thematic Lead Experts in Ukraine.

Geographic scope	Products	Language	Availability
Ukraine	Guidance document on pressures and risk assessment for groundwater	EN	www.euwipluseast.eu
Ukraine	Guidance document on pressures and risk assessment for groundwater	UA	www.euwipluseast.eu
Ukraine	Guidance document on protected areas	EN	
Ukraine	Guidance document on protected areas	UA	
EaP Countries	Economic analysis guidance document for RBMP development adapted to the 6 countries	EN	www.euwipluseast.eu
Ukraine	Guidelines for economic analysis	UA	www.euwipluseast.eu
Ukraine	Recommendations for the preparation of economic analysis of water use in river basin management plan development (ENG)	EN	www.euwipluseast.eu
Ukraine	Users' guide for metadata catalogue, web services, and tools on-line	EN	
EaP Countries	Guidance for RBMP dashboard	EN	www.euwipluseast.eu
EaP Countries	Public Participation in River Basin Management Planning adapted to the 6 countries	EN	www.euwipluseast.eu
Ukraine	Toolkit "Public Consultation in River Basin Management Planning"	UA	www.euwipluseast.eu

The Contractor will provide two methodological guidance documents in order to support elaborating responses adapted to the local context for the concrete implementation of WFD principles about:

- the elaboration of the Programme of Measures,
- the economic analysis dedicated to the Programme of Measures.

The traceability of data used will have to be ensured.

As the first consultation has been conducted during EUWI+ project, the second consultation phase will be conducted at sub-basin level with minimum one meeting with each basin council. The meetings will be organised by the Basin Management Authorities for Water Resources ("BUVR"), the Contractor will participate to these meetings to share the draft PoM and RBMP as well as to collect comments and assess, which could improve the content of the RBMP.

8.2 Deliverables & format

The deliverables for the Dnipro River Basin will consist of:

1) A compilation of data available. All data sets used will be described and stored in a metadata catalogue. The framework provided in annex 2 will be used for metadata description (in English and Ukrainian).

2) An atlas will be produced from the existing maps and with new ones (e.g. last monitoring results, war damages, measures localisation, etc.). The atlas will be delivered as a set of QGIS files and their exported TIF files (300 dpi) presenting the maps based on the template will be provided by the contracting authority. All data and information collected will be provided in their original forms (paper, files) and their processed forms (GIS layers, data base, Excel, etc.).

3) The refined chapters (1 to 5) and the new main chapters i.e. economic analysis part 2 and Programme of Measures will be subject of two specific reports. The final RBMP will be divided into 5 sections with the same tables of contents: section 1 for the whole Dnipro RB in Ukraine; section 2 for the Upper Dnipro and Desna RB; section 3 for Middle Dnipro RB; section 4 for Lower Dnipro RB; section 5 for Pripyat RB. The reports and maps will follow templates transmitted by the Contracting Authority. A proposed detailed table of contents is presented below, to give an idea of the minimum information required for each section of the outline (subject to data and information availability).

DRAFT TABLE OF CONTENTS FOR DNIPRO RBMP

EXECUTIVE SUMMARY

INTRODUCTION

SECTION 1 DRAFT DNIPRO RIVER BASIN MANAGEMENT PLAN⁴

1 OVERVIEW OF THE RBD

1.1 Description of the river basin district

1.1.1 Geographic overview and Hydrography

1.1.2 Climate

1.1.3 Relief

1.1.4 Geology

1.1.5 Hydrogeology

1.1.6 Soils

1.1.7 Flora

1.1.8 Fauna

1.1.9 Hydrological regime

1.1.10 Specifics of the river basin

1.1.11 Typology of SWBs

1.1.12 Reference conditions

1.2 Water body identification

1.2.1 Surface water

1.2.2 Groundwater

2 SIGNIFICANT PRESSURES AND IMPACT ASSESSMENT OF HUMAN ACTIVITY ON THE STATUS OF WATER BODIES

2.1 Surface water

2.1.1 Organic pollution

2.1.2 Nutrients pollution

2.1.3 Pollution by hazardous substances

⁴ IMPORTANT: The final RBMP is divided in 5 sections with similar table of contents : section 1 for the whole Dnipro RB in Ukraine; section 2 for the Upper Dnipro and Desna RB; section 3 for Middle Dnipro RB; section 4 for Lower Dnipro RB; section 5 for Pripyat RB

- 2.1.4 Accidental pollution and impact of contaminated areas
- 2.1.5 Hydromorphological alteration
- 2.1.6 Impact of the war on surface water bodies status
- 2.1.7 Assessment of the risk of failure to achieve a "good" environmental status
- 2.2 Groundwater
 - 2.2.1 Pollution
 - 2.2.2 Volumes, reserves
 - 2.2.3 Other significant anthropogenic impacts
 - 2.2.4 Impact of the war on groundwater bodies status
 - 2.2.5 Assessment of the risk of failure to achieve a "good" environmental status
- 3 IDENTIFICATION AND MAPPING OF PROTECTED AREAS
 - 3.1 Emerald sites
 - 2.1 Areas of sanitary protection
 - 2.3 Areas designated for protection of valuable water-related species
 - 2.4 Recreational waters
 - 2.5 Nutrient-sensitive areas including vulnerable zones
- 4 MONITORING SYSTEM, MONITORING PROGRAMME RESULTS
 - 4.1 Surface water
 - 4.1.1 Monitoring system
 - 4.1.2 Hydromorphological assessment, status
 - 4.1.3 Chemical status assessment
 - 4.1.4 Ecological status assessment
 - 4.1.5 Ecological potential assessment
 - 4.1.6 Recommended surface water monitoring
 - 4.2 Groundwater
 - 4.2.1 Monitoring system
 - 4.2.2 Chemical status assessment
 - 4.2.3 Quantitate assessment, ground water reserves
 - 4.3 Transitional waters
 - 4.3.1 Monitoring system
 - 4.3.2 Status
 - 4.4 Protected areas
- 5 ENVIRONMENTAL OBJECTIVES
 - 5.1 Environmental objectives for surface water
 - 5.2 Environmental objectives for groundwater
 - 5.3 Environmental objectives related to protected areas
- 6 ECONOMIC ANALYSIS
 - 6.1 Economic development of the river basin
 - 6.2 Characteristics of current water uses
 - 6.2.1 Municipal water use
 - 6.2.2 Industrial water use (incl. energy)
 - 6.2.3 Water use in agriculture
 - 6.2.4 Water use for transport
 - 6.2.5 Other types of water uses
 - 6.3 Forecast of water needs in main sectors of economy
 - 6.4 Economic control tools
 - 6.4.1 Cost recovery of water resources
 - 6.4.2 Water tariffs

6.5	Economic analysis of the Programme of Measures
6.5.1	Preliminary cost estimates
6.5.2	Cost-effectiveness analysis
7	SUMMARY OF THE PROGRAMME OF MEASURES
7.1	Methodology for Programme of Measures
7.2	Measures linked with the Recovery Plan
7.2	Basic measures
7.3	Supplementary measures ⁵
7.4.	List of prohibited or limited activities in the river basin
7.5	Ways of funding
8	REGISTER AND SUMMARY OF OTHER PROGRAMMES AND MANAGEMENT PLANS FOR THE RBD
9	SUMMARY OF THE PUBLIC CONSULTATIONS AND DISCUSSION
9.1	First consultation 2020
9.2	Second Public Consultation 2023-2024
9.3	Conclusion on two Public Consultations
10	LIST OF COMPETENT AUTHORITIES, RESPONSIBLE FOR IMPLEMENTATION OF THE RBMP
11	PROCEDURE FOR OBTAINING INFORMATION INCL. WATER BODIES STATUS

BIBLIOGRAPHY

GLOSSARY

ANNEX INCL. COMPLETE TABLE OF MEASURES

4) Two guidance documents about the elaboration of the Programme of Measures and the economic analysis dedicated to the Programme of Measures.

All the documents consulted, data and information collected, interview records will be transmitted by the Contractor to the Contracting Authority in their original forms (paper, files) and their processed forms (GIS layers, database, Excel, etc.).

Reports will be transmitted in digital form which can be corrected (e.g. .DOC). Priority will be focused on illustrations and straightforward style.

GIS layers will be provided in Esri format (.shp) and at a scale adapted to the size of the basin and sub-basins. Maps will respect the standard GCS_WGS_1984 projection (Geographic Coordinate System of the World Geodetic System) of the UTM coordinate system (Universal Transverse Mercator) or the official projection system adopted at national level.

⁵ Measures to reach the environmental objectives could be split into five categories: rules, governance, awareness, knowledge improvement and works. They will be described with a view to implementation, detailing the content, associated objectives, localisation, indicators to feed a dash-board, costs, plans concerned, project owners, schedule, etc. The Programme of Measures will concern the country's first planning cycle. Measures with a schedule beyond the first cycle will be presented in a less detailed manner. Measures will be presented at the best scale to ensure their successful implementation, preferably water body scale. This scale will be adapted to each measure. The Contractor will make an effort to describe the Programme of Measures in an informative manner and suggest appropriate priorities. The complete Programme of Measures will be presented as a table in annex 3.

Maps will be produced and delivered in QGIS format and as TIF file (300 dpi), based on a template provided by the Contracting Authority to the Contractor. They will constitute an atlas at A4 format. Maps will include only layers and dataset described into the metadata catalogue and having raw data available on FTP.

9. Governance, EU visibility and communication

9.1 Role of the Implementing Partners

The International Office for Water (OiEau, France) is the Contracting Authority and will manage administratively and technically the current Contract. OiEau is the main contact for the Contractor for any issues. Experts from OiEau will support the Contractor all along the assignment. OiEau will transmit all valuable data incl. recommendations for EU communication and visibility.

Umweltbundesamt GmbH (UBA, Austria) will give a technical support thanks to its high-skilled experts, especially in monitoring, ecological status classification systems, groundwater, etc.

A National Programme Representative represents “EU4Environment – Water Resources and Environmental Data” in Ukraine. This high-skilled person can facilitate the work process of the Contractor.

9.2 Role of Beneficiaries

The Beneficiaries (MEPNR, SAWR) designated two responsible representative (Thematic Lead Experts) to follow the assignment. They will be involved into and informed about the progress of work and results, difficulties, etc. during the work.

9.3 EU communication and visibility

All deliverables, including in draft form, and all events and communication products must comply with EU visibility rules. The official guidelines can be accessed here:

https://international-partnerships.ec.europa.eu/system/files/2022-07/Communicating%20and%20raising%20EU%20visibility%20-%20Guidance%20for%20external%20actions%20-%20July%202022_0.pdf

10. Implementation modalities

10.1 Meetings & trainings

Different meetings with main interested parties (Beneficiaries, expert groups for technical exchanges on the outputs drafting, National Policy Dialogues (NPD), stakeholder consultation meeting for active involvement) will be held during the assignment.

Comments received during those meetings will be considered to review the RBMP and tracks of those contributions will be annexed to the produced deliverables (linked with the chapter 9 dedicated to the consultations). It is important to notice that the RBMP planning process will be co-constructed with local

partners and, of course, with an important input from this assignment. The Contractor will have to participate (the meetings will be organised by the Implementing Partners or the Beneficiaries) at most of the meetings to present and take into account opinions and views expressed. These meetings will be held in Kyiv and/or other cities of the Dnipro River Basin or online.

Meetings with Ukrainian expert groups will take the form of trainings. These trainings will be set up by the Implementing Partners in order to improve national capacity building. The Contractor will have to participate at the trainings to present methodologies and results. Trainings intended to expert groups will be organized to cover the following topics: economic analysis part 2, Programme of Measures. These technical trainings will concern a limited audience (around 20 persons) in which the Contractor will be supported by international experts to share methodologies and results with collaborating interested parties. If needed, some of those trainings could be organized online.

For each meeting, technical synthesis and oral presentations will be produced by the Contractor in national and English language. This refers to about 10 meetings in Kyiv, in the River Basin and/or on-line: 3 Implementing Partners-Beneficiaries' meetings, 2 expert groups/trainings, 4 main basin stakeholders' consultations and 1 NPD. The Contractor will cover the expenses for his/her own travels and accommodations.

All along the process, regular meetings will be organized with the Contractor by the Implementing Partners on-line and/or during missions in Kyiv.

10.2 Previous products of interest

In addition to the guidance documents mentioned above, the following documents, produced during EUWI+ project, are available in English and Ukrainian:

- Characterisation (Feb. 2019)
- Characterisation, executive summary (July 2019)
- Groundwater bodies delineation (Feb. 2019)
- Surface water bodies delineation (Jan. 2020)
- Pressures and impact analysis, risks, objectives for surface water (March 2020)
- Pressures and impact analysis, risk, objectives for groundwater (April 2020)
- Identification and mapping of protected areas (Oct. 2019)
- Surface water monitoring (Nov. 2020)
- Ground water monitoring (April 2020)
- Economic analysis (Jan. 2021)
- First thematic summary (July 2020)
- Consultation reports (Sept. 2020)
- Atlas (Feb. 2021)
- Draft RBMP first part (main document, February 2021) divided in 5 sections: section 1 for the whole Dnipro RB in Ukraine; section 2 for the Upper Dnipro and Desna RB; section 3 for Middle Dnipro RB; section 4 for Lower Dnipro RB; section 5 for Pripjat RB.

Given the war context, these documents are available upon request from the tenderers and only upon approval by the Thematic Lead Experts in Ukraine.

10.3 Schedule

Duration of the assignment will be up to 31 March 2024 and is expected to start from October 2022. The assignment is divided into phases. The successive chapters have to be prepared according to the schedule underneath and delivered to the Contracting Authority in due time. Any delay must be announced as early as possible and acknowledged by the Contracting Authority.

Payment for the deliverables shall be considered only when the work is accepted by the Implementing Partners on behalf of the country Beneficiaries.

Summary of the work schedule

Deliverables	Approx. number of pages outside annex	Languages of deliverables	Due date for draft report	Finalization after comments
Chapters 1 to 5 refined	< 500	Ukrainian / English	31 May 2023	30 June 2023
Programme of measures Economic analysis (part 2)	50	Ukrainian / English	31 August 2023	30 September 2023
First Draft RBMP	< 550	Ukrainian / English	31 October 2023	30 November 2023
Second Draft RBMP (after the public consultation)	< 550	Ukrainian / English	30 June 2024	31 July 2024

10.4 Attributes required

Works shall be implemented by a Ukrainian company or group of NGO(s), university, research institution, etc. that are not representing the Programme Beneficiaries. The studies will be closely coordinated, assisted and monitored by the Programme team (OiEau, UBA and the Programme Representative) and the Beneficiaries (Ministry of Environmental Protection and Natural Resources, State Agency for Water Resources). Close coordination shall be ensured with the Beneficiaries who will take full ownership of the RBMP produced and who will provide relevant information about last results on water monitoring, recovery plan, etc.

Technical issues as data description (producers, availability, quality, scales, collection frequency, etc.), related difficulties to collect them, data formatting requirements, methodological aspects, etc. will be discussed regularly with the Implementing Partners.

The Contractor will have to designate competent specialists for each part of the assignment as well as a coordinator who will be responsible of managing these specialists, harmonise the document, and inform regularly the Implementing Partners. As a matter of illustration, the Contractor's team should be typically include the following competencies:

- 1 team leader, main redactor and coordinator of the RBMP,
- 1 hydrogeologist,
- 1 hydrobiologist,

- 1 economist,
- 1 expert in sanitation and water supply,
- 1 GIS specialist for map production with knowledge of the water sector.

A repartition of the use of the budget in function of the outputs is proposed below:

Possible allocation of the budget

Deliverables	% of allocated budget
Refinement of chapters 1 to 5	30
Development of Programme of Measures and Economic analysis (part 2)	55
First Draft RBMP	10
Second Draft RBMP	5
Total	100

10.5 Contact details:

National Programme Representative of the Programme “EU4Environment - Water Resources and Environmental Data” in Ukraine:

Ms Nataliia Zakorchevna, n.zakorchevna@eu4waterdata.eu

Responsible thematic leader:

Mr Philippe Seguin, International Office for Water (OiEau), p.seguin@oieau.fr

11. Participation to the tender

Interested parties (individual and legal persons) are invited to inquire the full tender dossier containing instructions and further information about the tender procedure from Ms Ilke CICEKOGLU (email address : i.cicekoglu@oieau.fr), Project Assistant, International Office for Water (OiEau) and Mr Philippe SEGUIN (email address : p.seguin@oieau.fr), Thematic Leader, International Office for Water (OiEau).

Deadline for submission of the technical and financial offer is **22 September 2022, 18:00 CET**.

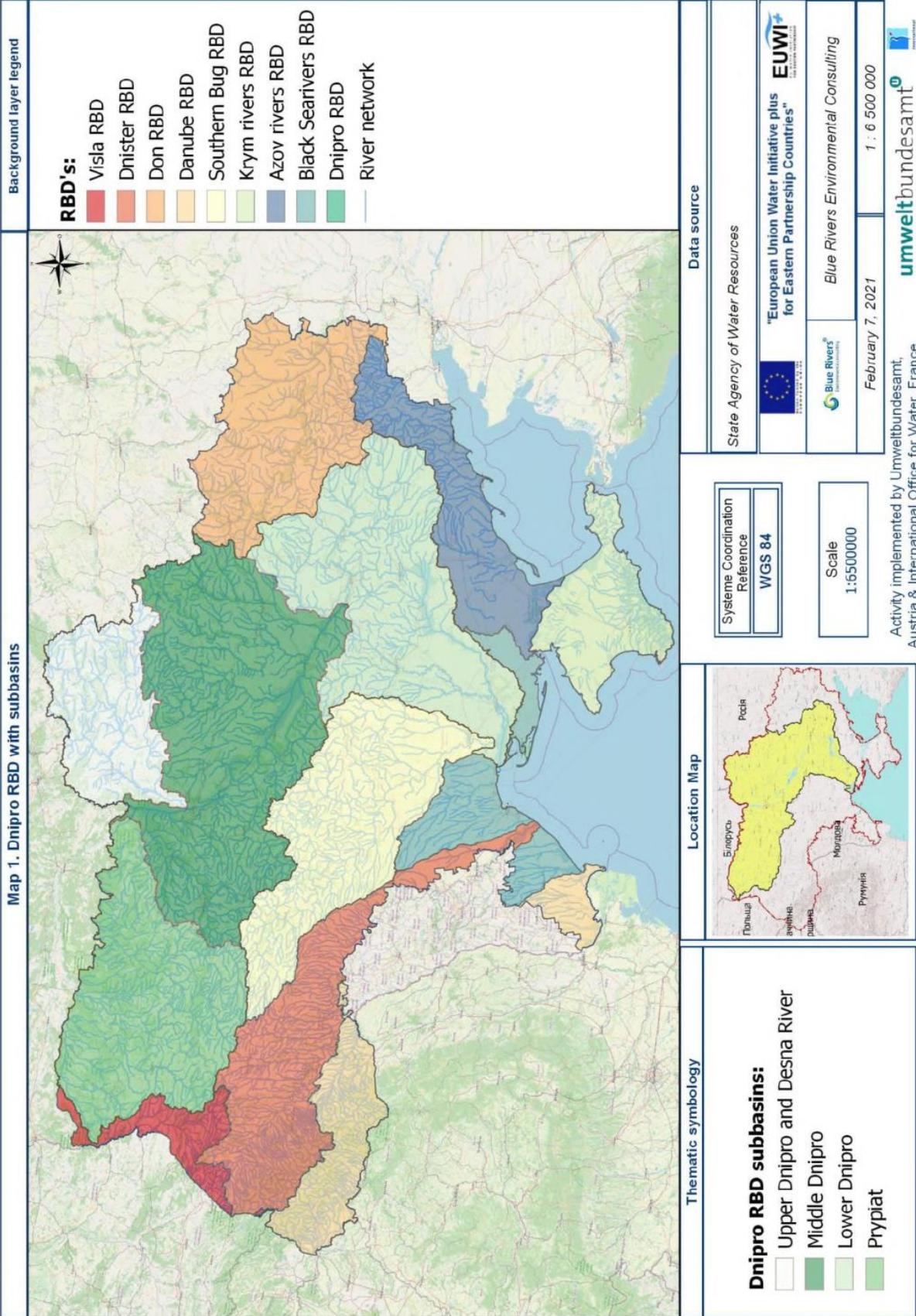
LIST OF ANNEXES

Annex 1: Map of Dnipro river basin and sub-basins

Annex 2: Metadata sheet description (EN and UA)

Annex 3: Proposal of template for the Programme of measures

Map 1. Dnipro RBD with subbasins



Background layer legend

- RBD's:**
- Visla RBD
 - Dnister RBD
 - Don RBD
 - Danube RBD
 - Southern Bug RBD
 - Krym rivers RBD
 - Azov rivers RBD
 - Black Searivers RBD
 - Dnipro RBD
 - River network

Thematic symbology

- Dnipro RBD subbasins:**
- Upper Dnipro and Desna River
 - Middle Dnipro
 - Lower Dnipro
 - Prypiat

Location Map



Data source

State Agency of Water Resources

European Union Water Initiative plus for Eastern Partnership Countries* EUWI

Blue Rivers Environmental Consulting

February 7, 2021

1 : 6 500 000

Systeme Coordination Reference

WGS 84

Scale

1:6500000

Activity implemented by Umweltbundesamt, Austria & International Office for Water, France





***EU4Environment - Water Resources
and Environmental Data programme***

DATA SOURCE IDENTIFICATION FORM - UKRAINE

TITLE OF THE DATA SOURCE
(ex: Data Sheet of ..., map of...
Database of ..., Report on)

ABSTRACT: (Global content, Author and objective: Database/website/map on ... created byto do ...)

**GEO KEYWORD
ADMIN**

**GEO KEYWORD
MAIN BASIN**

**TOPIC KEYWORD
IWRM**

**TOPIC KEYWORD
INSPIRE**

INFORMATION ON DISSEMINATION

WEB ADDRESS OR URL WHERE THE DOCUMENT CAN BE CONSULTED AND/OR DOWNLOADED

LEVEL OF ACCESS
(ONE OF THE FOLLOWING:

"FREE ACCESS WITH COPYRIGHT", "RESTRICTED TO PARTNERS", "AVAILABLE UNDER PAYMENT OF FEES")

CATEGORY, FORMAT AND SCALE OF THE DATA SOURCE

CATEGORY

FORMAT

SCALE

(*DATASET*, *GIS LAYER*, *MAP*, *DOCUMENT*, *INFORMATION SYSTEM*) (EX: PAPER, PDF, JPEG; SHP...)
(EX: 1/100.000)

CONTACT PERSON TO GET MORE INFORMATION ON THIS DATA SOURCE

NAME

ORGANIZATION

EMAIL

POSITION

FORM OF METADATA COMPLETED BY

NAME

ORGANIZATION

EMAIL

POSITION

Date



**ЕС для навколишнього середовища:
Водні ресурси та Екологічні дані**

ІДЕНТИФІКАЦІЙНА ФОРМА ДЖЕРЕЛА ДАНИХ - УКРАЇНА

НАЗВА ДЖЕРЕЛА ДАНИХ
(наприклад: Лист даних ..., карта ..., База даних ..., Звіт про ...)

Анотація: (Глобальний зміст, Автор та мета: База даних / веб-сайт / карта з ... створена ... для виконання ...)

ГЕО КЛЮЧ АДМІНІСТРАТИВ.

ГЕО КЛЮЧ ГОЛОВНИЙ БАСЕЙН

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WEB-адреса або URL-адреса, де можна буде ознайомитись з документом та / або його завантажити

РІВЕНЬ ДОСТУПУ
(ОДИН ІЗ НАСТУПНИХ:

«Безкоштовний доступ за авторським правом», «обмежений для партнерів», «доступний при оплаті»)

КАТЕГОРІЯ, ФОРМАТ І МАСШТАБ ДЖЕРЕЛА ДАНИХ

Категорія

Формат

Масштаб

(«Набір даних», «Шар ГІС», «Карта», «Документ, інформаційна система»)

(Пр: Паперовий, PDF, JPEG, SHP...)

(Пр: 1/100.000)

КОНТАКТНА ОСОБА ДЛЯ ОТРИМАННЯ ДЕТАЛЬНОЇ ІНФОРМАЦІЇ ЗА ЦИМ ДЖЕРЕЛОМ ДАНИХ

Ім'я

Організація

EMAIL

Посада

ІДЕНТИФІКАЦІЙНА ФОРМА ЗАПОВНЕНА

Ім'я

Організація

EMAIL

Посада

Дата

Proposal of template for the Programme of Measures

Field of information	Explanation
ID	Code of the measure
Main Issue	Refer to the RBMP Part 1 - Main Issues in each basin
Sub-Issue	Detail the sub-issue
Measure Family	Grouping of measures Family (possibly inspired by the Key Type Measures (KTM) classification)
Measure Name	Title or general description of the measure
Measures description	More detailed description of the measures
River Basin	Name of the river basin where the measure applies
Sub-basin	Name of the sub-basin where the measure applies
Administrative unit	Name of the administrative unit to which the measure applies
Water body	Code of the water bodies concerned
Protected areas	Name of the protected areas if the measure concerns Protected areas
Number of Units (basis for calculation)	Number of units
Unit	Unit that can be used to assess the quantification
Unit Investment cost (€)	Any element on the investment costs of the measure (e.g. average value per unit)
Unit O&M cost (€)	Any element on the operating and maintenance costs of the measure (average value per unit per year)
Total Investment cost (€)	Computation of unit investment cost x unit
Total O&M cost (€)	Computation of unit O&M cost x unit for 6 years
Implementation time	Deadline for the measure implementation
Measure priority	Rank from 1 (high priority) to 3 (low priority)
Comments, source of costs information and data	Any additional comments or source of information concerning costing assessment
Measure suggested by:	Who suggested the measure?
Responsible authority	Who will manage the implementation of the measure?