EUROPEAN UNION WATER INITIATIVE PLUS
FOR THE EASTERN PARTNERSHIP
COUNTRIES: EUWI+East

AN ACTION FUNDED BY THE EUROPEAN UNION
AND A EU MEMBER STATE CONSORTIUM: AUSTRIA AND FRANCE

Co-financing partners:
- Artois-Picardie Water Agency (AEAP)
- Austrian Development Agency (ADA)

Implementing partners:
- UNECE
- OECD
- umweltbundesamt
- International Office for Water
EU WATER INITIATIVE PLUS PARTNERS

EASTERN PARTNERSHIP (EaP) COUNTRIES:
ARMENIA
AZERBAIJAN
BELARUS
GEORGIA
MOLDOVA
UKRAINE

2 EU MEMBER STATES AND THE EUROPEAN COMMISSION:

2 INTERNATIONAL ORGANISATIONS:

UNECE
OECD

TOTAL BUDGET: 24,8 M€
(FRANCE: 6M€; ARTOIS PICARDIE WATER AGENCY: 300 000€)

FOUR YEARS PROJECT: 2017-2020

FRENCH OPERATOR: INTERNATIONAL OFFICE FOR WATER

Objective
improving the management of water resources, in particular transboundary rivers, towards a better quality of water and its availability for all.
1.3. Development and implementation of River Basin Management Plans

1.4. Stakeholders participation mechanisms at different scales & public awareness rising

1.5. Water information system, data sharing and public access to information
Support River Basin Planning process based on WFD & National legal Framework:

- Update and adoption of the model outline for RBMPs by Protocol Resolution № 45-6 of the Government of Armenia on Oct 26, 2017;
- Adoption of the outlines of Sevan & Hrazdan RBMPs by decree of the WRMA on December 2017
- Development and publication of a National methodological guidance for accompanying the development of RBMPs
- Assessment report on the “needs and identification of priorities in implementation of the RBMPs” translated in Armenian and released in April 18
- Assessment of Akhuryan river Basin Management Plan compliance with the WFD
Increase capacities of the WRMA and the stakeholders for the elaboration of new RBM plans:

- Tender process for RBMP Part 1 – Sevan
- Tender process for RBMP Part 1 – Hrazdan
- Tender process for Irrigation monitoring flow
- Tender process for communication and stakeholders participation
- 2018-2019 Workplan agreed

<table>
<thead>
<tr>
<th>Process</th>
<th>Candidates</th>
<th>Selection</th>
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<tbody>
<tr>
<td>Tender process for RBMP Part 1 – Sevan</td>
<td>7</td>
<td>April 2018</td>
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<tr>
<td>Tender process for RBMP Part 1 – Hrazdan</td>
<td>3</td>
<td>March 2018</td>
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<tr>
<td>Tender process for Irrigation monitoring flow</td>
<td>2</td>
<td>September 2018</td>
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Increase capacities of the WRMA and the stakeholders for the elaboration of the new RBM plans:

- **coordination of the national consultants** for the first phase of RBMP’s – up to March 2019
  - additional data collection, data gaps,
  - river basins characterization,
  - Protected areas
  - Pressures & impact assessment
  - First diagnosis of the status of water bodies,
  - Preparation of the first public consultation on the main issues, January 2019

+ Provision of new maps and metadata sheets, public access on website,
**DATA SOURCE IDENTIFICATION FORM - ARMENIA**

**TITLE OF THE DATA SOURCE**
Shape file (line) of all primary and secondary irrigation canals in Armenia

**ABSTRACT**
This shape file was prepared in the framework of the "EUWI+" project by the "GeoInfo LLC" company in collaboration with the State Committee on Water Systems database. It presents as lines 43 irrigation canals in Armenia, with the following attributes for each line:
- Name: Common name of the canal
- Type of canal: primary or secondary
- Operator: name of the organisation in charge of the management of the canal
- Length: length of the canal
- Max discharge: maximum discharge authorised in the canal

**GEO KEYWORD ADMIN**
- Armenia

**GEO KEYWORD MAIN BASIN**
- Not determined

**TOPIC KEYWORD INSPIRE**
- Hydraulic infrastructure

**TOPIC KEYWORD INSPIRE**
- Agricultural and aquaculture facilities

**INFORMATION ON DISSEMINATION**
Web address or URL where the document can be consulted and/or downloaded:
http://

**LEVEL OF ACCESS**
- Copyright

**CATEGORY, FORMAT AND SCALE OF THE DATA SOURCE**
- Category: Geo-dataset (vector/raster)
- Format: GIS vector layer
- Scale: 1:150,000

**CONTACT PERSON TO GET MORE INFORMATION ON THIS DATA SOURCE**
- Name: Suren Nazaryan
- Email: sumazaryan@gmail.com
- Organization: State Committee on Water Systems
- Position: Irrigation Management Information

**FORM OF METADATA COMPLETED BY**
- Name: Tigran Zakaryan
- Email: geoinfo05@gmail.com
- Organization: GeoInfo LLC
- Position: Director
- Date: 04/09/2018
Increase capacities of the WRMA and the stakeholders for the elaboration of the new RBM plans:

- Study in Sevan & Hrazdan Basins on “detailed assessment of modern flow Measurement Equipment Needs for Irrigation Water Accounting” in June 2018
  - Completing and correcting location and data of monitoring equipment
  - Estimating costs of equipment and priority needs
DEVELOPMENT OF RBM PLANS

- **Capacity Building**

  - Training workshop on “Practical introduction to RBMP Part 1 and stakeholders’ participation” on April 18th;
TRAINING WORKSHOP ON “QUANTITATIVE PRESSURES ANALYSIS IN THE RBMPs” ON SEPT. 11-13TH:

- Water balance & water economic balance,
- Decision making process & tools
- Water allocation & permitting
- Scenarios and hypothesis
- Hydraulic systems

Case studies in France and Armenia
training workshop on “Quantitative pressures analysis in the RBMPs” including a field trip to Ejmiatsin WUA in the Ararat valley
Feedback & discussion

Legend
- Main lakes
- Main rivers
- Pilot basin for:
  - RBMP Implementation
  - RBMP Development
- Importance of coordination between the RBMP’s due to their interconnection
- Hydrographic district & **hydraulic systems** must be distinguished
- The classification of water bodies into **natural, artificial or highly modified** categories is a major importance for the definition of the environmental objectives and the establishment of the program of measures.
- **Possibility of exemptions** due to technical feasibility, disproportionate costs or natural conditions, but do not use it too much **and always justify** the reasons why
- Additional data needed in general, in particular for the definition of **E-flows**
1.3. First draft river Basin Management Plans in Sevan & Hrazdan

1.4. Stakeholders participation mechanisms, consultation & public awareness rising

1.5. Water information system, data sharing and public access to information
STAKEHOLDER’S INVOLVEMENT & PUBLIC AWARENESS
VISIBILITY AND AWARENESS RISING

• [www.euwipluseast.eu](http://www.euwipluseast.eu) project web site
• The EUWI+ social media pages are dynamic and have good attendance. Follow the EUWI+ on [Facebook page EUWI+](https://www.facebook.com/EUWlpluseast)
• Newsletters, leaflet & flyers distributed at events in Armenian
• Poster maps of the two basins available in ARM at the BMO’s

 gắn phát triển a [video clip](https://vimeo.com/289264859) for wide public awareness rising on the main issues/measures to be implemented on new RBMP: on solid waste and plastic pollution prevention

Visit: [https://vimeo.com/289264859](https://vimeo.com/289264859)
PUBLIC INFORMATION, CONSULTATION & PARTICIPATION

- Local consultant selected for the implementation of the communication action plan
- Stakeholders analysis
- Participative workshops on the Sevan & Hrazdan RBMP’s
- Organizing **two public consultations**:
  * on the main issues (dec 2018-Jan 2019)
  * and on the draft RBMP’s (March-May 2020)
Stakeholder Involvement mechanism & Public Consultations

**Time table & workplan.**
- **Basin Characterisation Pressure/ Impacts/ Status of WB**
  - July 2018
  - Dec. 2018
- **Main water issues**
  - Jan – Feb 2019
- **Env. object. & economic analysis**
  - Mid-End -2019
- **Program of measures**
  - Early 2020
- **Draft RBMP**
  - Mid-2020

**Basin stakeholder meetings**
- **Thematic Summary**
  - BC
- **Consultation Analysis**
  - BC
- **C A**

**Public consultation**
- **Communication documents**
- **Significant issues**
- **Draft PoM and RBMP**
  - BC
  - CA

**Draft RBMP**
- Mid-2020

**Final RBMP**
- Early 2020
Facilitate the adoption and the implementation of RBMPs through stronger mobilization of stakeholders

**Communication strategy**

**COMMUNICATION CHANNELS**
- Mass-media
- Social media platform
- EUWI+ website
- Websites of the competent authorities and other affiliated stakeholders
- Direct e-mail lists

**COMMUNICATION TOOLS**
- Awareness campaign (public consultations, video materials, leaflets/publications)
- Media products (articles, press releases, newsletters)
- Media tours
- Promotional items
### Specific issue

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<tr>
<th>Involvement of Basin Organisations and enhancement of their capacities in implementing RBMPs after the end of the project</th>
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<tr>
<td>Associate basin representatives in the decision making process, and strengthen the capacities of local stakeholders on a continuous process</td>
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<tr>
<th>How to move from RBMPs prescriptions to action : the program of measures</th>
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<tr>
<td>Allocate budget not only for studies and infrastructures but also to specific works for recovering good ecological status</td>
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<tr>
<th>Governance for stopping the Ararat valley groundwater structural unbalance</th>
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<tr>
<td>A performant model developed by USAID is available. Need for:</td>
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<tr>
<td>- An inter-institutional body in charge of allocating water based on scenarios with this tool</td>
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<tr>
<td>- A unit in charge of the technical maintenance of the tool after 2020</td>
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</table>
1.3. First draft river Basin Management Plans in Sevan & Hrazdan

1.4. Stakeholders participation mechanisms at different scales & public awareness rising

1.5. Water information system, data sharing and public access to information
3. DATA MANAGEMENT

- Improve the water data/information management:
  - Support organisational aspects for an efficient management (data management policy development, data exchanges, support to metadata production, on-line server management organisation, etc.)
  - Support information production for new River Basin Management Plan
- Pilot activities coordinated with water cadastre development
- Support to equipment facilitating project objectives
  - hardware or software for water cadastre and/or for partners producing data to facilitate data exchanges and access
Armenia: Proposal of global scheme for data management activities

MNP
Online server / pilot of demonstration
Metadata catalogue
Web service
Web mapping
Interactive schemes

On line National Water cadastre

Basin Management Organizations /
River Basins management plans
Support to SEIS (and later others) indicators production
Public access (following rights given by the data producers)

National Water cadastre

EMIC
Water use water discharge

Hydromet
Hydrological data

EMIC
Surface water quality data

WRMA permits

EMIC Ground water quality data

4

Water intake data (automatic exchange)
• Workshop on data management on 22-23 Nov. 2017
ACTIVITIES IMPLEMENTED

• Preparation of an online data management platform on project server;

• GIS layers of the Water cadastre integrated in the online platform and made available through web services, after agreement of the MNP for publication;

• Starting analysis of Hydromet and EMIC databases

• Data management procedures were included in the ToR of the consultants in charge of RBMP
MILESTONES FOR THE COMING REPORTING PERIOD (SEPTEMBER 2018 – AUGUST 2019)

• Supporting implementation of the project platform on the national server
  • As soon as it will be operational at the MNP;
  • Potential financial support for complementary components
  • Transfer of draft platform software and database presently working on project server

• Completing the list of stakeholders & metadata catalogue and make it available on line
  Draft version available at http://www.aquacoopoe.org/cat_eecca/

• Supporting integration of EMIC user code in WRMA water permits database

• Analysing the possibility to develop automatic data flow exchanges

• Supporting collection and integration in the online database of the datasets made available by the partners and produced by consultants.
CHALLENGES REQUIRING ATTENTION ON DATA MANAGEMENT

- National data policy needs to be strengthened to facilitate interinstitutional cooperation on data management with implementation of procedures for regular and automatized exchange of data between institutions

- Decision expected to make the server operational

- Data sharing procedures to be validated with the main data producers (HYDROMET, EMIC, Water Committee)

- Coordination with USAID (supporting water cadastre) and World Bank (supporting Hydromet and Water Committee) projects

- ID code of water users already used in EMIC 2TP database to be integrated into water cadastre database
THANK YOU FOR YOUR ATTENTION!
• Support of Water Policy Reforms towards Integrated Water Resources Management

EUROPEAN UNION WATER INITIATIVE PLUS FOR THE EASTERN PARTNERSHIP COUNTRIES

• UNECE / OECD / EU MS Consortium
EUWI+ FOR EASTERN PARTNERSHIP

BACKGROUND

- A flagship action of the European Commission in the field of water resources management under the Easter Partnership

- EU-funded action for 6 Eastern Partnership countries – Armenia, Azerbaijan, Belarus, Georgia, Moldova, Ukraine; 24.5 mln EUR (23.5 mln EUR funding from DG NEAR/European Commission);

- 4-year project (2016 – 2020) implemented by a Consortium of Member States (Austria and France), as well as OECD and UNECE

- Main objective: To support partner countries in bringing their national policies and strategies in line with the EU Water Framework Directive and other MEAs
EUWI + FOR EASTERN PARTNERSHIP COUNTRIES
KEY ACHIEVEMENTS/ MILESTONES: LEGAL AND REGULATORY FRAMEWORKS

- Support to improving legal and regulatory frameworks, and continuation of National Policy Dialogue (NPD) processes. The EUWI+ provides support to further reforms of water policies, establishment of an adequate governance framework, and development of institutional capacities in support of policy implementation, for instance:

  - Support to implementation of the national water-food security policy; Preparation of a Roadmap for harmonization with EU water Directives under CEPA in Armenia.
  - Support to revision of the Water Law and related by-laws in Armenia, Georgia, and Moldova
  - Development of National Water Strategy in Belarus, Georgia, Ukraine, and Azerbaijan
  - Revision of targets under the Protocol on Water and Health and implementation of selected measures under the Action Plan to ensure equitable access to drinking water and sanitation in Armenia, Azerbaijan, Republic of Moldova and Ukraine,
KEY ACHIEVEMENTS / MILESTONES: PLANNING & IMPLEMENTING FOR IWRM:

Support to development and implementation of River Basin Management Plans (RBMPs), including stakeholder participation mechanisms at basin, national and international levels, and shared data management. Eight River Basin Districts are selected as pilot areas for the EUWI+ East project.

• Target for 2020
  • 11 RBMPs and 22% of national territory covered

• Current Status
  3 RBMP refined and adopted (Akhuryan in AM, Dnieper in BY and Danube Prut and Black sea first cycle in MD)

  8 RBMPs preparation on-going. Resulting in a total related coverage of 47% of the countries territory with WFD compliant RBMP
KEY ACHIEVEMENTS / MILESTONES: LESSONS LEARNT REGULARLY COLLECTED, SHARED AND COMMUNICATED TO STAKEHOLDERS:

Lessons learnt regularly collected, shared and communicated to stakeholders

- **Target for 2020**
- Annually updated communication strategy developed
- Human capacity strengthened in 6 countries through training programmes

- **Current Status**
- Communication strategy and action plan developed for whole of project. First annual review completed. 4/6 countries specific strategies for participative RBM planning completed. Communication package, web site and newsletters developed.
- 6 country chapters on needs assessment for capacity and development completed. Regional work programme prepared. Training events underway
EUWI+East pilot basins in Eastern Europe for RBMP development and implementation

Harmonisation for common view on water bodies at the boarder
EUWI+East pilot basins in Caucasus for RBMP development and implementation

Harmonisation for common view on water bodies at the boarder.
KEY ACHIEVEMENTS / MILESTONES: SURFACE WATER (SW) AND GROUND WATER (GW) MONITORING AND LABORATORY DEVELOPMENT

Strengthening of laboratory and monitoring systems, including rehabilitation of laboratories and equipment, purchase of equipment, and technical support. One of the expected outputs of the project is to have adequate infrastructure available for sound monitoring of water quality and quantity in pilot areas, to support the process of development of RBMPs in the project countries

- **Target for 2020**
  - 6 new monitoring and 6 laboratory assessment reports
  - 12 River Basin District water monitoring programmes (surface water, coastal and transitional water, and groundwater) upgraded within the scope of the EUWI+;
  - Min. 6 priority laboratories upgraded within EUWI+

- **Current Status**
  - Monitoring and laboratory assessments completed Priority equipment needs (investments) and training needs agreed
  - Realisation of upgrading investments totalling Euros 2,5 mio (in total costs monitoring and laboratory investments)
STAKEHOLDER INVOLVEMENT, PUBLIC AWARENESS AND COMMUNICATION

- Development of stakeholder participation mechanisms and awareness rising as key for policy implementation
  - From project-based to sustainable River Basin Committee in partner countries: Azerbaijan and Georgia; Support to operationalization of RBC in Belarus, Moldova and Ukraine
  - Public awareness and consultation support was started and provided in close cooperation and consistent with the RBMP development processes
  - Numerous national communication and visibility activities have been implemented, based on the jointly updated EUWI+ communication strategy.
  - Development of the EUWI+ website www.euwipluseast.eu, EUWI+ Facebook account facebook.com/euwiplus, regional and country specific information and visibility material.
  - Successful awareness raising campaigns: on water monitoring AM, on phosphate pollution prevention UA, MD, on water saving AZ, on solid waste and plastic pollution prevention UA, MD, AZ, GE
DIALOGUE PLATFORMS: BASIN COMMITTEES / COUNCILS

Moldova

Belarus

Ukraine
LESSONS LEARNED AND FUTURE PLANS

- Change is a constant including important institutional reform that required great attention and adaptability in capacity building
- EUWI+ is a pilot project in new technical cooperation
  - Increased responsibility & ownership in the EaP countries
  - Tight partnering between EU member state and national experts
- Investment possibilities are important
  - Investments of in total 6 mln EUR; supply, works & services
- Sustainability of development is key
  - Countries have shown willingness for far-reaching decisions including co-financing laboratory development
  - Importance given to traceability of data used and shared data bases development