

**SUPPORT TO UKRAINE  
IN APPROXIMATION OF THE EU  
ENVIRONMENTAL *ACQUIS***

**EuropeAid/135825/DH/SER/UA**

**Report**

**Water component study tour in Hungary**

**28 May – 1 June 2018**

**Service Contract No.: 2015/357-205**



## 1. INFORMATION ON THE EVENT

---

Water component study tour was conducted in Hungary 28 May – 1 June 2018.

## 2. MAIN OBJECTIVES OF THE EVENT AND RELATION TO THE PROJECT ACTIVITIES

---

Main objectives of the study tour were the following:

1. Presentation of Hungarian experience in implementation of the EU Water Framework Directive and EU Flood Directive;
2. Practical demonstration of different types of flood protection measures;
3. Practical tips in establishment of water quality laboratory;
4. Learning about data collection, processing and presentation under the EU Water Framework and Flood Risk Directives.

The program of the study tour fully fits to project ToR covering three main activities of Water Sector: 1) legislative, 2) implementation of EU Water Framework and Flood Protection Directives, and 3) public information.

## 3. PARTICIPANTS

---

The Workshop was attended by 10 participants: 8 from SAWR, 1 from MENR and 1 from State Service of Emergency Situations. The selection of participants reflects all aspects in the study tour programme – the majority of group is from SAWR and one from MENR and one from SSES as main APENA beneficiaries.

All participants were provided with the schedule of study tour and all assistance with travel to study tour locations.

## 4. MAIN INPUTS PROVIDED BY THE PROJECT

---

### Agenda

Date	Time	Program	Location
28 May 2018	08:00 – 10:00	Ukrainian-Hungarian border crossing at "Luzhanka"	UA-HU Luzhanka border check-point
	10:00 – 12:00	Site visit to the Bereg polder, pumping station and emergency storage in Tizzasalka <i>By Onodi Janos, Head of Upper-Sabolchansky engineer unit</i>	Tizzasalka
	12:00 – 13:00	Travel to Nyiregyhaza	
	13:00 – 14:00	Lunch	
	14:00 – 17:00	Meeting in Upper Tisza Water Directorate. Presentation of the experience and contribution of the Directorate into implementation of EU Water Framework Directive and Flood Risk Directive. <i>By Kato Sandor, Key engineer</i>	Nyiregyhaza



Date	Time	Program	Location
		<p>Flood Directive: Data collection and processing at different stages of the Flood Risk Management Plan development Management of floodplains in the Flood Risk Management Plans <i>By Dojko Istvan, Head of Unit</i></p> <p>Water Framework Directive: Data collection and processing at different stages of River Basin Management Plan development Pressures and impacts analysis (with special attention to hydromorphological alterations) Hydrological monitoring network for surface and groundwaters, managed by the Directorate <i>By Veres József, Head of Unit of Protection of Water Resources and Basin Management</i></p> <p>Program of improvement of drinking water quality Program of monitoring of water quality <i>By Cosis Gaborny Nelli, expert of Upper Tisza Ecological Inspectorate</i></p> <p>Questions and answers</p>	
	18:00	Accommodation in Nyiregyhaza	Nyiregyhaza
29 May 2018	9:00 – 13:00	<p>Visit to research institute «Viziterv Environ».</p> <p>Presentation of the results “Preparation of Flood Risk and Flood Hazard Maps and Flood Risk Management Plan development” : Risk analysis by the means of preparation of flood risk and flood hazard maps, Preparation of Flood Risk Management Plans for river basins and sub-basins, Preparation of the plans of floodplain management, Preparatory works to develop local plans, Public consultations <i>By Illes layos, Director</i></p> <p>Questions and answers</p>	Nyiregyhaza
	13:00 – 14:00	Lunch	
	14:00 – 16:00	<p>Presentation of participation of the «Viziterv Environ” in development of the River Basin Management Plan <i>By Illes layos, Director</i></p>	Nyiregyhaza



Date	Time	Program	Location
	16:00 – 19:00	Travel to Budapest, accommodation.	Budapest
30 May 2018	9:00 – 11:00	Visit to the General Directorate of Water Management of Hungary State of art of water management in Hungary Implementation of Flood Directive: National Flood Risk Management Plan Role of River Basin Management Plans in Strategy of Water Management of Hungary <i>By Istvan Lang, Deputy Director; Eva Vesan, expert</i>	Budapest
	13:00 – 14:00	Lunch	
	14:00 – 17:00	Implementation of EU Water Framework Directive: Second National River Basin Management Plan (role of Basin councils, Programmes of monitoring of surface and groundwaters, economic analysis of water use, status assessment of water bodies, programme of measures) Harmonization of River Basin Management Plan and Flood Risk Management Plan <i>By Jakus-Toth Erika, Head of Unit of Water protection and Basin Management</i> Presentation of Geoportal of Water Resources <i>By Cubini Imre, Head of IT-department</i>	Budapest
		Accommodations in Budapest	Budapest
31 May 2018	09:00 – 11:00	Travel to Szolnok	
	11:00 – 13:00	Presentation of the work of Middle Tisza Water Directorate: Participation of the Directorate in development of River Basin Management Plans and Flood Risk Management Plans Experience in implementation of programme of measures of Flood Risk Directive and Water Framework Directive <i>By Attila Lovas, Director</i>	Szolnok
	13:00 – 14:00	Lunch	
	14:00 – 17:00	Site visit: Regional laboratory of water quality monitoring System of water management in Tisza lake Fish pass at Kiscore village at Hydropower plant <i>By Nol Marianne, Head of laboratory; Feher Levrinz, head of engineer station in Kiscore</i>	Szolnok



Date	Time	Program	Location
	17:00 – 19:00	Travel to Mateszalka village.	Mateszalka
1 June 2018	9:00 – 12:00	Meeting with the experts of Szotmar engineer unit of Upper Tisza Directorate in Mateszalka Peculiarities of water management in interfluvium of Tisza – Tur - Szamos Polder Szamos – Krasna as one of the elements of implementation of the flood protection measures. Site visit to polder and its structures. <i>By Luidort Antal, Head of Sotmar engineer unit</i>	Mateszalka
	12:00 – 15:00	Crossing the border check-point	UA-HU Luzhanka border check-point

## 5. ASSESSMENT OF EVALUATION QUESTIONNAIRES

In order to measure the impact of knowledge transfer achieved in the study tour, the event was concluded by asking participants to fill in an evaluation questionnaire. Willingness of the participants to participate and provide answers was ensured by anonymity of the filled in questionnaires.

The evaluation questionnaires were disseminated to all participants. The project team after the event collected 10 filled in evaluation questionnaires by participants. This allowed to better understanding which questions or issues were well understood and answered and which were misunderstood and need re-addressing at future occasion.

### **Summary of questionnaires evaluation:**

The scoring tables related to ten questions presents an average scoring from 1 to 5 (5 score is the best), see following Table.

#	Scoring of the criteria/questions	Results - Average score
1	Was the time for receiving invitation to the event and the supporting materials (materials, guidelines, etc.) sufficient?	4,4
2	How would you score the usefulness of the supporting materials for the workshop?	4,3
3	How would you score the overall quality of the training?	4,8
4	Were the training methods used appropriate?	4,6
5	What is the practical relevance of the training content to your daily work?	4,7
6	Have you acquired information and knowledge that is new to you?	4,5
7	How would you evaluate the overall quality of the workshops sessions?	



#	Scoring of the criteria/questions	Results - Average score
7.1	Site visit to the Bereg polder, pumping station and emergency storage in Tiszasalka	4,9
7.2	Meeting in Upper Tisza Water Directorate. Presentation of the experience and contribution of the Directorate into implementation of EU Water Framework Directive and Flood Risk Directive.	4,8
7.3	Visit to research institute «Viziterv Environ».	4,8
7.4	Visit to the General Directorate of Water Management of Hungary	4,7
7.5	Presentation of the work of Middle Tisza Water Directorate	4,9
7.6	Site visit: <ul style="list-style-type: none"><li>• Regional laboratory of water quality monitoring</li><li>• System of water management in Tisza lake</li><li>• Fish pass at Kiscore village at Hydropower plant</li></ul>	4,9
7.7	Meeting with the experts of Szotmar engineer unit of Upper Tisza Directorate in Mateszalka	5,0
8	How would you score the quality of discussion during the training (relevance to the topic, sufficient time, etc.)?	4,6
9	How would you score the working atmosphere?	4,9
10	Did you have sufficient opportunities to discuss issues of your interest?	4,9
11	Would you recommend this training to your colleagues?	4,8

The following comments were obtained from the participants:

- The training was very intense and interesting, it is worthwhile to spend more time for a rest and acquaintance with the country
- Competence of lecturers corresponds to the tasks
- It would be better to have more materials in English
- It would be better to have the possibility of conducting practical training (for example, the study of hydrobiological samples)
- Very well selected team.

From the table, one can see that the study tour sessions were assessed in range 4,3 - 5,0, what is high score. The best score was evaluated for Meeting with the experts of Szotmar engineer unit of Upper Tisza Directorate in Mateszalka. The lowest score is for supporting materials (mostly because most of presentations/slides were in Hungarian with translation to Ukrainian) with the score 4.3.

## 6. IMPACTS ACHIEVED

State Agency of Water Resources of Ukraine is a main authority responsible for implementation of Water Frame Directive – development and implementation of River basin management plans and significantly involved into development of Flood risk management plans. Participants got practical



examples how to develop River Basin Management Plan and Flood Risk Management Plans. They got clear understanding about role and responsibility of General Directorate of Water Management, their basin authorities and internal consultancy in preparation of River basin management plan.

Hungary is a country located within one river basin district (Danube) which is divided into 5 sub-basins. Participants learnt about different and most efficient way in development of RBMP for such kind of river basins which is useful for some Ukrainian river basins (Dnipro, Vistula, Don and Danube). They also could see the examples of the measures implemented in frame of RBMP (including soft and hard (construction) measures).

Being in a state of reform State Agency of Water Resources got a very useful information and advice on distribution of responsibility between central body and its regional offices, staff functional responsibilities and its optimization.

Taking into account that new adopted to EU WFD requirements programme of water monitoring will start from 2019 in Ukraine it was useful to learn about Hungarian experience in surface water monitoring management, organization of the process of sampling, delivery, laboratory analysis and results presentation.



The study tour also reinforced transboundary cooperation between Ukraine and Hungary.

## 7. CONCLUSIONS AND RECOMMENDATIONS

- Evaluation of study tour by participants is very high even higher than any training
- Efficiency of study tour was high because of most of participants represented same authority visited their vis-a- vis from Hungarian side and communication was done on specific issues and on high professional level
- Next study tour should be devoted to experience in fulfilment of surface water monitoring and ecological and chemical status assessment.



Prepared by: KE3 Alexei Iarochévitch