



This Project is co-funded  
by the Republic of Serbia

Republic of Serbia  
Ministry of Construction, Transport and Infrastructure

*Supervision and Environmental Monitoring of River Training and  
Dredging Works on Critical Sectors on the Danube River*  
Contract n° 48-00-00093/2014-28



This Project is funded  
by the European Union

EuropeAid	135642/IH/SER/RS
Contract No.	48-00-00093-2014-28
Programme	IPA 2013
Country	Republic of Serbia
Contracting Authority	Ministry of Finance – Department for Contracting and Financing of EU Funded Programmes
Final Beneficiary	Ministry of Construction, Transport and Infrastructure
End Recipient	Ministry of Construction, Transport and Infrastructure – Directorate for Inland Waterways
Type of document	Meeting Minutes
Version	Final
Number of pages	12
Number of attachments	-
Prepared by	MG
Approved by	IM
Date:	18.05.2018

## MINUTES OF THE FORUM MEETING

Date	04.05.2018
Duration	10:00-14:45
Meeting venue	MCTI - Directorate for Inland Waterways, Francuska 9, 11000 Belgrade, Republic of Serbia
Type of meeting	Stakeholders' Forum meeting
Meeting No.	SHFM02

Duration	Topic	Responsible
10:00	Welcome note, introduction of participants, organizational issues	ER, all
10:10	General rules on organization and work of the Stakeholders' Forum	ER, all
10:20	Update of the list of members and observers	ER, all
10:30	Final Environmental Monitoring Report before Works - Hydromorphology - Sediment and water quality - Biology	S&EMSC
10:50	River training and dredging Works Programme	S&EMSC
11:10	Q&A	All



This Project is co-funded  
by the Republic of Serbia

Republic of Serbia  
Ministry of Construction, Transport and Infrastructure

*Supervision and Environmental Monitoring of River Training and  
Dredging Works on Critical Sectors on the Danube River*  
Contract nº 48-00-00093/2014-28



This Project is funded  
by the European Union

Duration	Topic	Responsible
11:30	<i>Coffee break</i>	
12:00	Presentation of basic geo data	ER
12:15	Environmental Monitoring during and after Works - Content - Methodology - Dynamics	S&EMSC
12:50	<i>Lunch</i>	
13:30	Environmental Monitoring during and after Works - Content - Methodology - Dynamics	S&EMSC
13:40	Introduction to the procedure for the application of compensation measures	ER
13:55	Visibility and external communication	ER, all
14:05	Q&A	All
14:30	Next steps, action points list, next meeting	ER, all
14:40	Evaluation	All
14:45	Until the next meeting	

### List of participants

No.	Name and Family Name	Organization
1.	Karim Kam	ACCIONA Ingeniería (S&EMSC)
2.	Natalia Garcia Estévez	ACCIONA Ingeniería (S&EMSC)
3.	Tanja Radović	ACCIONA Ingeniería (S&EMSC)
4.	Slobodan Zlatković	ACCIONA Ingeniería (S&EMSC)
5.	Miroslav Tomin	ACCIONA Ingeniería (S&EMSC)





This Project is co-funded  
by the Republic of Serbia



This Project is funded  
by the European Union

No.	Name and Family Name	Organization
6.	Andreas Bäck	viadonau
7.	Dejan Trifunović	Danube Commission
8.	Dragana Cerović	Ministry of Finance - CFCU
9.	Lidija Andrijašević Jovanović	Ministry of Finance - CFCU
10.	Ljubomir Pejčić	United Fishermen of Serbia
11.	Duška Dimović	WWF Adria
12.	Tanja Bošnjak	Institute for Nature Conservation of Vojvodina Province
13.	Laslo Galamboš	Institute for Nature Conservation of Vojvodina Province
14.	Stanislava Simić	MCTI – Directorate for Inland Waterways – Plovput (ER)
15.	Milica Radić Kilibarda	MCTI – Directorate for Inland Waterways – Plovput (ER)
16.	Milica Gačić	MCTI – Directorate for Inland Waterways – Plovput (ER)
17.	Nikola Stošić	MCTI – Directorate for Inland Waterways – Plovput (ER)
18.	Iva Mališić	MCTI – Directorate for Inland Waterways – Plovput (ER)
19.	Luka Krivokuća	MCTI – Directorate for Inland Waterways – Plovput (ER)
20.	Ivan Mitrović	MCTI – Directorate for Inland Waterways – Plovput (ER)
21.	Ljubiša Mihajlović	MCTI – Directorate for Inland Waterways – Plovput (ER)

### Welcome and organizational issues

Opening the Second Stakeholders' Forum Meeting Mr. Ivan Mitrović as the Chairperson briefly presented the Meeting agenda, after a short introduction of the participants, remarking that the Agenda is based on the finalization of the environmental monitoring before Works and the soon commencement of the next monitoring phase. He stated that during this meeting there would be no presentations prepared by Forum members and observers about topics regarding their fields of interest and in relation with this Project purpose, but that this intention is still standing and participants could request for their presentations to be included in the next meeting agenda.

Mr. Mitrović repeated that English is the official language of the Meeting, but that in case of necessity, Serbian language could be used, which would be translated into English by the Chairperson.

Before continuing with the presentations, Mr. Mitrović displayed the Forum website: <http://www.plovput.rs/forum-zainteresovanih-strana>, showing the novelties relative to the previous Forum meeting.



This Project is co-funded  
by the Republic of Serbia



This Project is funded  
by the European Union

## **General rules on organization and work of the Stakeholders' Forum**

The draft version of the General Rules on Organization and Work of the Forum was presented on the previous meeting. Mr. Mitrović confirmed that changes suggested by the Forum members and observers were incorporated in the second draft version which is now available on the Forum website. He pointed out that if somebody has something to add to the document or has an alteration to propose within the text is free to send comments in written to the Chairperson, having in mind that the General Rules are not framed as the final version yet.

## **Update of the list of members and observers**

Mr. Mitrović told that there was the intention for creating a contact list of all Forum members and observers that would be published on the Forum website. This list is still opened, having in mind potential new participants and will be updated and prepared for the Forum website after this meeting. The aim is to make all Forum members and observers' activities as much transparent as possible.

The Chairperson noted that in the coming period members and observers of the Forum can make proposals for involving other international institutions and NGOs in the work of the Forum, which is accepted by all participants.

## **Final Environmental Monitoring Report before Works**

At the beginning of the first of three S&EMSC presentations, Ms. Garcia Estévez gave some basic information about the Environmental Monitoring Report before Works and handed over the word to Ms. Radović. Ms. Radović said the presentation about the EMRbW was the same as at the previous meeting, but in order to introduce the topic to new participants, it was shortened and the data will be quickly presented. She underlined that there are three monitoring periods, where the current report is related to the environmental monitoring before the Works. During her presentation, the Monitoring Programme established by the S&EMSC was shown (as one of the ToR references regarding the S&EM Service Contract). Ms. Radović overpassed results of the the sediment and water quality analysis, as a conclusion of 27 water and 23 sediment samples that had been monitored during the first phase of the Project implementation.

## **Q&A**

Mr. Trifunović asked if the laboratory that was performing the analysis was accredited by General requirements for the competence of testing and calibration laboratories (ISO/IEC 17025:2005) and Ms. Radović confirmed that the laboratory was certified by the Contracting Authority, respecting the ISO standards for laboratories competence.

Ms. Radović stated that almost all samples correspond to the Class I of water quality for this type of water bodies. She said the water quality results were separated by sectors, and also presented the sediment quality results. As she added, there are comparative results within the EMRbW where the official monitoring results from the RHMZ and SEPA were compared to the ones collected by the S&EMSC.

After this part of the S&EMSC presentation, Ms. Garcia Estévez gave the word to Mr. Zlatković, who presented briefly the methodology and the results of the biological monitoring. He introduced the monitored species (which monitoring was obligatory, in accordance with the ToR) presenting their short descriptions, monitoring locations for each one and the received results. He emphasized that during the next investigations, special attention will be given to the monitoring of those species whose



This Project is co-funded  
by the Republic of Serbia

Republic of Serbia  
Ministry of Construction, Transport and Infrastructure

Supervision and Environmental Monitoring of River Training and  
Dredging Works on Critical Sectors on the Danube River  
Contract n° 48-00-00093/2014-28



This Project is funded  
by the European Union

individuals were not found during the ecological monitoring before the start of the Works, and due to unfavorable climatic conditions during the winter period of the year when the monitoring was carried out (which was especially unfavorable for birds species monitoring).

## Q&A

Mr. Pejčić from the NGO “Assosiated Fishermen of Serbia” noted that *Zinger* species should also be included in the monitoring as a strictly protected species, sharing common habitat with *Sterlet*. He also asked about the methodology for fish sampling and the time when the samples were taken. Mr. Zlatković said that the standing net was used, based on the local fishermen experience and that the sampling was done in November 2017, February and March 2018. Mr. Pejčić asked if the standards for sampling methods were taken into account but Mr. Zlatković reponse was that the fish sampling was based on the fishermen practice, so he is not fully aware about the precise net dimensions used for monitoring. Mr. Mitrović replied that species additional to the onces stated in the ToR can be covered by the monitoring but that these presented in the Environmental Monitoring Report are obligatory.

Mr. Galamboš from the Institute for Nature Conservation of Vojvodina Province commended the application of the conditions prescribed by the Institute within the Project implementation. He disagreed with the fish monitoring methodology, because the presented results nearly show the absence of fish species in the reference sectors, which is not the real state and said that the monitoring should be prolonged. He said that everybody must be aware of the lack of availability of the official data about fish, but that annual reports of commercial fishermen could be used for these purposes (even though these data are not officially verified by authorities, it contains some reference daily data that can be used for the basic comparison with the data obtained during the monitoring related to this project). He also added that the monitoring should be assessed to the stretch downstream of the Project Area, not strictly to the locations of the critical sectors included and that the *Sterlet* spoiling grounds should be identified. Mr. Zlatković replied that the Contractor would try to get the mentioned annual reports, and Mr. Galamboš said he could provide some contact information in order to make the provision of these reports easier. Mr. Zlatković answered that he contacted PC “Vojvodinašume” because they have sketched data about the *Sterlet* spoiling locations, but that in any case there is no exact official data. He also contacted PWMC “Vode Vojvodine”, but no data was submitted from their side.

Ms. Dimović from WWF Adria appended that the S&EM Contractor should use the historical data from the literature or interview the commercial fishermen in order to obtain a wider picture of the real terrain conditions, to what Ms. Garcia Estévez, as the Contractors’ environmental expert, replied that the bibliographic data was included, but that the presentation was based on the results of their own research.

Mr. Galamboš suggested putting a disclaimer regarding this data, because of the insufficient information basis, but Mr. Zlatković said that this was only the baseline monitoring that will be amplified in the next monitoring periods.

Mr. Mitrović made some conclusions for the end of this part of the Meeting. He stressed again that all conditions of the Institute for Nature Conservation of Vojvodina Province had been incorporated within the Project. He also justified that not all problems related to the data about fish species could be solved within this project, as not the Project purpose, but that it could contribute to their resolving. Finally, he pointed out that this project has a certain duration and that an amount of time had already been allocated for the investigations and that this monitoring phase is not the only basis for conclusions, which will be made in 2.5 years from now. Mr. Mitrović stated that it would be preferable to have the monitoring methodology agreed in this phase, so there would be no discrepancies about that issue later. The participants can propose in written some methodology questions to be harmonized (within the Stakeholders’ Forum mailing list) and even the comments that express some disagreement with the Final Monitoring Report regarding the methodology, that were not affirmed by the SHF, will be incorporated there as a Project transparency indicator. The Chairperson kindly proposed some



This Project is co-funded  
by the Republic of Serbia



This Project is funded  
by the European Union

technical modifications to the S&EMSC for the future presentation preparation – to be aware of the presentation time indicated in the Agenda, to highlight only the most important data within them and make a Technical Note if the SC wants to inform the Stakeholders about some data in details, to number the slides especially when the presentations are extensive and remarked that the hydromorphology monitoring results are missing even though mentioned in the Agenda. Such recommendations have been posed by the Chairperson during the previous SHF meeting as well.

### **River training and dredging Works Programme**

Mr. Kam presented the basic provisions from the WKSC Works Programme. He started his presentation with the implementation framework description and listed the construction and dredging works indicating their location within the Project Area. He also familiarized the participants with the quality and characteristics of the materials for the construction works, elaborating the execution of both construction and dredging works. He underlined the importance of the Gauging Stations requirement, as it is mandatory and showed their proposed locations. The designed structures were presented, with their typical cross-sections and longitudinal profiles, and dredging works with their typical cross-sections and defined disposal areas within the water body. Mr. Kam presented the general information about the Works Contractor equipment and personnel, as well as the Works Programme Gantt Chart.

Mr. Mitrović underlined the compliance of the Works Programme with the restrictive period condition (from April 1<sup>st</sup> to July 15<sup>th</sup>) and the Project implementation sequences – first all the structures will be constructed, and then the dredging works are going to be executed. The construction works are going to be executed at Futog, Čortanovci and Preliv and then the dredging works will start. All works are followed by Environmental Monitoring Reports of which the most important will be the Final Integrated Environmental Monitoring Report covering the whole stretch from Bačka Palanka to Belgrade.

### **Q&A**

Mr. Trifunović asked Mr. Kam to show again the Works execution dynamics table, so all participants could note the crucial dates for the Project activities implementation having in mind the deadline for the completion of this Project segment - Monitoring and Environmental Monitoring until August 10, 2020 and the execution of the Works by October 27, 2020, to which Mr. Kam replied it is within the Works Contract time frame and the approved Works Programme.

Mr. Mitrović stated that the Works progress will be dynamically presented on the Forum web page, so all the SHF participants could follow the on-going activities and also added that in case the structures at Preliv are not finished in March 2019, their construction will be continued in July 2019, upon the expiry of the restricted period, and that it is the only potential deviation identifiable for now.

### **Presentation of basic geo data**

Mr. Mitrović presented the proposal for demonstrating the basic geoinformation to the stakeholders. It was about a .kmz file, which contained a simple map for locating the Project, where river profiles with their marks and numeration and the existing locations of the RHMZ gauging stations were shown. The critical sectors areas were also displayed in the file. Mr. Mitrović proposed to add the locations of the structures and dredging works and also the locations of the new gauging stations required from the Works Contractor upon the execution of each new activity of those, so the file could follow the implementation dynamics. He also suggested incorporating water and sediment sampling points etc. with the possibility that the user can manage the file upon his convenience and display only the data of his interest. All participants agreed with this proposal.



This Project is co-funded  
by the Republic of Serbia



This Project is funded  
by the European Union

## Q&A

Mr. Galamboš asked if this file would be available on the Webpage and Mr. Mitrović confirmed that, underlining that the file will be named as it was shown during the Meeting and the date in the name would indicate the latest updated file. The Chairperson will inform the Forum members and observers about each update via circular mail.

## Environmental Monitoring during and after Works

At the beginning of the third S&EMSC presentation Ms. Garcia Estévez said that the main monitoring parameters are the same as during the environmental monitoring before the Works and accentuated that no cultural heritage was under protection within the Project influence area, but that parameter would not be excluded from the reports. Ms. Garcia Estévez also pointed out that there would be an overlap of monitoring activities during and after works, because the Works are segregated by sector not by type, ex. the monitoring after the works at Futog will be simultaneous with the monitoring during works at Čortanovci. During the restricted period additional surveys will be done. All monitoring results will be collected within the Environmental Monitoring Reports and presented to SHF participants and the authorities. The environmental monitoring will be performed until 1 year after the construction works and until 1 month after dredging works at each sector. All field surveys must be adapted to the works execution dynamics, as Ms. Garcia Estévez claimed.

After this introductory part Ms. Radović presented the methodology for water quality and sediment monitoring during and after Works, clarifying that the methodology is the same as for the baseline monitoring, using the same parameters. There can be additional sediment monitoring and the Monitoring Programme will be modified based on the field situation and works dynamics. There are 51 water and 42 sediment samples predicted for the period during Works. The same methodology will be kept for the monitoring after Works, in order to obtain consistent data and reliable overall monitoring results. After Works, 16 samples of water and 10 of sediment will be taken. All the results will be compared with the official monitoring data from the RHMZ and SEPA, as in the previous phase. Reports about those investigations will be prepared separately for each sector.

Mr. Zlatković presented the proposed biological monitoring methodology during and after Works. There will be field surveys once in three months during the Works execution and after Works, three visits will be performed after the dredging works (one per month) and six after the river training works, until the end of Defects Notification Periods (one in two months), and the habitat researches will be now included in the monitoring.

## Q&A

Ms. Dimović asked the Chairperson when the monitoring methodology should be discussed and Mr. Mitrović answered that after the distribution of the Meeting Minutes each participant can send in written his proposal for methodology alterations. He suggested one month period for the comments provision, after which the Contractor will incorporate those changes.

## Introduction to the procedure for the application of compensation measures

Ms. Gačić introduced the compensation measures planning and application procedure to Forum participants. She elaborated the premises and procedure steps needed to be fulfilled in order to propose and submit for approval a compensation measure. This presentation was made so the Forum members and observers could make a difference between the mitigation measures already included in the Project and the compensation measures non predictable before the start of the works execution.



This Project is co-funded  
by the Republic of Serbia



This Project is funded  
by the European Union

The compensation measures are therefore very important for Forum participants letting them free space for involvement in the decision making process regarding this issue. Ms. Gačić informed the Meeting participants about the possibility for their suggestions about the compensation measures and briefly described the time, spatial and budget framework for compensation measures application. Having in mind different compensation measure types, she also announced the intention of Plovput to prepare a Catalog of compensation measures, where the Forum participants can contribute with their comments and suggestions too. At the end of her presentation, she underlined that the focus of the Project and the Forum should be on the compensation measures achievable within the Project time scope, although some other compensation measures could also be applied after the end of the Project, from some other financial sources and with other time requirements.

#### Q&A

Mr. Galamboš asked if only the compensation measures listed in the ToR can be applied, but Mr. Mitrović said that those are only theoretical and provisional compensation measures and that others can be proposed for sure. Mr. Galamboš was wondering if the Stakeholders' Forum members and observers could also make a proposal for a compensation measure, which was confirmed by Mr. Mitrović, who suggested the participants to make comments and prepare their proposals timely, due to possibly long duration of the process of compensation measure designing, its approval and application. The Stakeholders can make a common document with proposals or each member/observer can prepare a separate proposal.

#### Visibility and external communication

Regarding the communication issue, Mr. Mitrović emphasized the role of the data available at the Forum web page, which will be updated after every new activity completion, and, of course, after each Forum meeting. He said there is an intention to write an article about Forum activities for the Danube Watch journal, but also that the Forum members and observers could prepare other single articles, or papers to be published by the Forum as a group of authors, both in scientific and popular journals.

#### Q&A

At the end of the presentations part of the Meeting, Mr. Bäck posed a question about what would happen with the mentioned gauging stations after the Project implementation is finished and Mr. Mitrović explained that they will be established as temporary objects, but that their maintenance after the Project conclusion will be discussed later on.

Ms. Dimović asked if there are some projects or similar activities planned for other sectors of the Danube stretch in the Republic of Serbia and Mr. Mitrović answered that there were a few projects in preparation phases (relative to the common Croatian-Serbian border works, dredging activities as the ones performed the last year on the Sava River, the project of rehabilitation of the Iron Gate I, where Plovput is supporting the Ministry as the project beneficiary, etc.). Tisza doesn't have critical sectors and Plovput is not responsible for the lock, so there are no such activities on the Tisza River for now. Thanking to Mr. Mitrović for the extensive answer, Ms. Dimović just added that the hydromorphology part should be presented in the next presentations about the environmental monitoring progress.

Mr. Galamboš wanted to know if the ToR could be provided to the stakeholders, but Mr. Mitrović stated that the parts of interest could be provided and made available for the stakeholders, but not the complete ToR, bearing in mind the provisions of the procurement procedure applied to this contract. Mr. Galamboš also asked about the commercial dredging influence to the upcoming works. Mr. Mitrović explained that Plovput issues conditions for some activities to be executed within the fairway and how they should be applied. He said that the Integrated Sediment Management Plan (applicable





This Project is co-funded  
by the Republic of Serbia

Republic of Serbia  
Ministry of Construction, Transport and Infrastructure

*Supervision and Environmental Monitoring of River Training and  
Dredging Works on Critical Sectors on the Danube River*  
Contract n° 48-00-00093/2014-28



This Project is funded  
by the European Union

during this and the next year) was adopted, containing a plan for commercial dredging – location and provisional quantities, and that this procedure should give some results in the future.

At the end of the discussion, Mr. Trifunović proposed to Mr. Bäck that the Austrian colleagues prepare a presentation about the Integrated River Engineering Project on the Danube East of Vienna, where some compensation measures were already applied. Mr. Bäck responded that he will investigate that option within the company and will confirm later on.

### **Next steps**

For the next period Mr. Mitrović pointed out that the Works would start in July, as previously accorded and that now the S&EMSC is supervising the preparation of the locations and equipment needed for the commencement of the Works. Upon the Works start at Futog, the S&EMSC will initiate the collection of data within the environmental monitoring during Works.

### **Evaluation**

Concluding the meeting, all participants filled in the evaluation sheets in order to record performance indicators of the second Forum meeting.

### **Until the next meeting**

Mr. Mitrović proposed the next meeting to be at the beginning of September and on the field, when the Stakeholders can have the opportunity to see the works site, having in mind that the Works at Futog will start in July already. The participants accorded about 21<sup>th</sup> of September 2018 as a provisional date, which is to be confirmed in the forthcoming period.



This Project is co-funded  
by the Republic of Serbia



This Project is funded  
by the European Union

## Action List

Action point	Action	Deadline	Responsible
SHFM02-01	Confirm the date for the Stakeholders' Meeting No. 3	27.07.2018	All
SHFM02-02	Organize the Stakeholders' Meeting No. 3	Upon the agreement on a date	ER, S&EMSC
SHFM02-03	Provide the contact list on the official Forum web page	01.06.2018	ER
SHFM02-04	Publish the basic geoinformation file on the Forum web page (to be continuously updated)	18.05.2018	ER
SHFM02-05	Propose alterations to the applied environmental monitoring methodology	04.06.2018	Forum members and observers
SHFM02-06	Send proposals for the related presentations by the Forum participants	15 days before the SHFM03 (conditional deadline 06.09.2018)	All
SHFM02-07	Send proposals for compensation measures to be included in the Catalog	No deadline defined	All
SHFM02-08	Submit proposals for the new members of the Forum	No deadline defined	All
SHFM02-09	Invite relevant NGOs and other organizations to be part of the Forum	Upon the agreement on the list of organizations	ER



This Project is co-funded by the Republic of Serbia

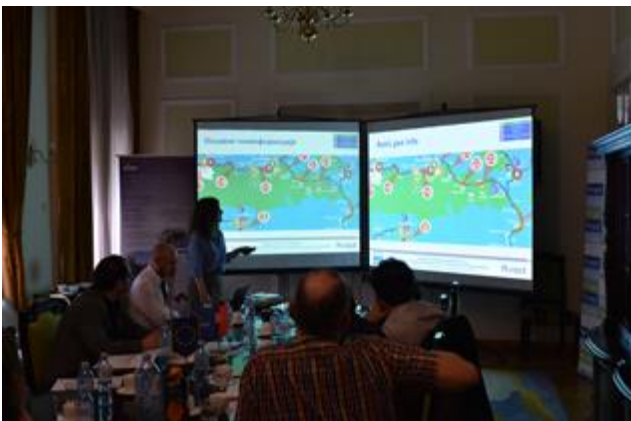
Republic of Serbia  
Ministry of Construction, Transport and Infrastructure

*Supervision and Environmental Monitoring of River Training and Dredging Works on Critical Sectors on the Danube River*  
Contract n° 48-00-00093/2014-28



This Project is funded by the European Union

## Photos





This Project is co-funded  
by the Republic of Serbia



This Project is funded  
by the European Union

## List of Abbreviations

Abbr.	Description
CFCU	MFIN - Department for Contracting and Financing of EU Funded Programmes
EMRbW	Environmental Monitoring Report before Works
ER	End Recipient (MCTI – Directorate for Inland Waterways)
MCTI	Ministry of Construction, Transport and Infrastructure
MFIN	Ministry of Finance
MMs	Meeting Minutes
NGO	Non-governmental Organization
PC	Public Company
PWMC	Public Water Management Company
RHMZ	Republic Hydrometeorological Service of Serbia
SEPA	Serbian Environmental Protection Agency
S&EM	Supervision and Environmental Monitoring
S&EMSC	Supervision and Environmental Monitoring Service Contractor
SHF	Stakeholders' Forum
SHFM	Stakeholders' Forum meeting
ToR	Terms of Reference
WKSC	Works Contractor