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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



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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	11
Number of attachments	-
Prepared by	MG
Approved by	IM
Date:	26.11.2018

MINUTES OF THE FORUM MEETING

Date	09.11.2018
Duration	10:00-16:00
Meeting venue	Principle Office, Ribnjak donji put, 21000 Novi Sad, Republic of Serbia
Type of meeting	Stakeholders' Forum Meeting
Meeting No.	SHFM04

Duration	Topic	Responsible
08:00	<i>Transport from Belgrade to Novi Sad</i>	WKSC, S&EMSC, ER
10:00	Welcome note, introduction of participants, organizational issues	ER, all
10:05	General rules on organization and work of the Stakeholders' Forum	ER, all
10:10	Update of the list of members and observers	ER, all
10:15	Brief review of previous activities of the Stakeholders' Forum	ER, all
10:20	River training and dredging Works Programme	S&EMSC
10:30	New results of Environmental Monitoring Report during Works - Hydromorphology - Sediment and water quality	S&EMSC



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Duration	Topic	Responsible
	- Biology	
10:50	Q&A	All
11:00	<i>Presentation of the member or observer of the Stakeholders' Forum</i>	<i>Open invitation</i>
11:20	Procedure for the application of compensation measures and catalogue of compensation measures	ER
11:30	Visibility and external communication	ER, all
11:40	Next steps, action points list, next meeting	ER, all
11:50	AOB	All
11:55	Evaluation	All
12:00	<i>Coffee break</i>	
12:30	Visit to the Futog construction site	WKSC, All
14:45	Wrap-up of the visit to the Futog construction site	All
15:00	<i>Lunch</i>	
16:00	<i>Transport from Novi Sad to Belgrade</i>	<i>WKSC, S&EMSC, ER</i>

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)
6.	Zoran Rašić	ACCIONA Ingeniería (S&EMSC)
7.	Toša Ninkov	ACCIONA Ingeniería (S&EMSC)
8.	Tanja Ničić	ACCIONA Ingeniería (S&EMSC)
9.	Petar Margić	Danube Commission
10.	Dejan Trifunović	Danube Commission





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No.	Name and Family Name	Organization
11.	Andreas Bäck	viadonau
12.	Đorđe Višić	Ministry of Construction, Transport and Infrastructure
13.	Lidija Andrijašević Jovanović	Ministry of Finance - CFCU
14.	Laslo Galamboš	Institute for Nature Conservation of Vojvodina Province
15.	Tanja Bošnjak	Institute for Nature Conservation of Vojvodina Province
16.	Mina Jakovljević Zavarko	PWC "Vode Vojvodine"
17.	Vladimir Pajvančić	PWC "Vode Vojvodine"
18.	Sava Simić	Institute for Nature Conservation of Serbia
19.	Daniela Stojković	Danube Civil Society Forum
20.	Milica Radić Kilibarda	MCTI – Directorate for Inland Waterways – Plovput (ER)
21.	Milica Gačić	MCTI – Directorate for Inland Waterways – Plovput (ER)
22.	Milivoj Vasiljević	MCTI – Directorate for Inland Waterways – Plovput (ER)
23.	Magdalena Popović	MCTI – Directorate for Inland Waterways – Plovput (ER)
24.	Luka Krivokuća	MCTI – Directorate for Inland Waterways – Plovput (ER)
25.	Ivan Mitrović	MCTI – Directorate for Inland Waterways – Plovput (ER)
26.	Ljubiša Mihajlović	MCTI – Directorate for Inland Waterways – Plovput (ER)
27.	Jasna Muškatirović	MCTI – Directorate for Inland Waterways – Plovput (ER)

Welcome and organizational issues

Mr. Mitrović opened the fourth meeting of the Forum and welcomed the members and observers, who briefly introduced themselves. New participants from various institutions were present.

Since this meeting was quite different from the previous three, as being realized on the site, the organizational issues needed to be defined at the beginning. The S&EMSC Team Leader, Mr. Tomin explained the transport organization to and from the construction sites at the critical sector – two vessels were ready for the transportation of the participants plus one boat for the S&EMSC if necessary. Mr. Mitrović asked all participants to express their willingness to go to the construction site and concluded that these are enough facilities to make the site visit. Safety equipment was prepared for 20 persons, so no entire staff of the S&EMSC will be present on the site, but the Site Engineer will receive Forum members and observers there.

General rules on organization and work of the Stakeholders' Forum

No new comments were received from the last meeting, so the general rules remain the same.





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Update of the list of members and observers

Mr. Mitrović told that a contact list of all Forum members and observers was prepared and published on the Forum website. This list is still opened, having in mind this meeting participants and the potential new ones. It 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.

Brief review of previous activities of the Stakeholders' Forum

Ms. Gačić made a brief overview of the previous activities of the Stakeholders' Forum, immanent mainly to the previous three Forum meetings. She stated that the first two meetings, held in March and May, focused the Environmental Monitoring Report before Works and that the September meeting was the first one introducing the construction phase of the Project. During those meetings the S&EMSC team presented the up-to-date environmental monitoring results and the Works Programme propositions, familiarizing the Forum members and observers with the current status of the Project implementation. Ms. Gačić also stated that each meeting contained the part of member/observer's presentation, which was a real supplement to the basic Forum activities.

River training and dredging Works Programme

Mr. Tomin presented the Programme and Project Implementation Schedule in short lines at the fourth Forum meeting. This was elaborated as the general status of the Project, considered through three periods: from the SHFM03, between the SHFM03 and this SHFM04 and the review of expected activities.

River training structures will be executed on three sectors and dredging works on five. According to the adopted PPIS firstly the river structures will be constructed and those works will start at the critical sector Futog.

The completion of the Engineer's requirements and site preparation lead to the construction works that had started on August 21st. Mr. Tomin presented the scope of the works on the detached groyne at the critical sector Futog (the first of the structures that will be executed) from July to October with the list of all relevant activities. The same was prepared for the works on the Futog chevron, which construction is also ongoing. Some photos from both construction sites were shown.

The technical issues of the Works Programme execution was also elaborated. Mr. Tomin added that the first version of the Works Programme was adopted in March and that the Works were planned to start in the mid-July. However, the existing delay was caused by the increased amount of works due to hydromorphological changes of the riverbed at the sector Futog (riverbed depth differences of 2m due to erosion). Therefore an updated Works Programme was prepared in September and lately in October and will be updated for each next sector in line with the situation at the time.

Regarding the upcoming activities the completion of works on both groyne and chevron was itemed, including the use permits and taking over activities, which will mark the commencement of the Defect Notification Periods for these structures. Construction phase for the sills at the critical sector Čortanovci and preparatory activities for another chevron – on the Preliv sector are also within the next three months plan.



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New results of Environmental Monitoring Report during Works

– Hydromorphology

Mr. Rašić, the Hydraulic Expert on behalf of the S&EMSC, presented the general flow conditions, pointing both morphological and hydrographical issues. As the critical sector Futog is in the focus now, the dynamicity of its hydromorphological status was presented through layouts from several months of 2018 and two main causes were addressed – natural morphology and artificial impact (dredging). Since no additional hydromorphological surveys were executed since the last SHFM, Mr Rašić spoke more about the hydrological conditions. The monitoring network of the RHMS was displayed as the source of the official data from the gauging stations Backa Palanka and Novi Sad. This data will be used later on for the hydromorphological analysis, as well as the data from the additional gauging stations implemented under this project. Since the data from the new six gauging stations established for this Project is available at the link: <http://www.meteos.rs/user/agromah/dunav.php> (existing at the official Forum web page too), the S&EMSC Hydrological Expert made an overview of the available data types and presented the actual hydrological status for the Futog gauging station. Having in mind that not only hydrological data is collected, but also meteorological, these stations are and will be of great significance for the effective and proactive preparation and construction activities at all sectors and will be complementary to the official RHMS data as compatible.

Q&A

Mr. Mitrović asked if the current conditions influence the progress of the works negatively, and Mr. Rašić replied that the actual hydromorphological status enables an adequate working pace and doesn't limit the construction progress.

– Sediment and water quality

The progress of environmental monitoring of sediment and water quality was conveyed by the Chemical Expert Ms. Radović. She repeated that there are 3 phases of monitoring - the baseline monitoring has been finished as the precondition for the start of works and all obtained results were compared to the existing official data for the 10-years period (the EIA study, SEPA data etc.).

The same approach is maintained for the monitoring during works, for which one monitoring campaign with full scope of analyses was performed until now and no additional surveys were done since the SHFM03 (full scope of analyses is planned to be performed 4 times per year).

As the Futog sector is in the focus now, she presented the general plan for monitoring for this sector. As mentioned, one fullscope analysis was done and 6 samplings for the shortscope analysis too. The preparation activities for the second campaign are planned for the next period.

Ms. Radović showed the results of the short water quality analysis on temperature, suspended matters and mineral oils for upstream, downstream and area between the construction sites of the detached groyne and chevron, at the critical sector Futog. As could be seen, all the results correspond to the 1st class of water quality.

The Intermediate Report on monitoring will be available at the beginning of December.



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Q&A

As a follow-up of these monitoring results, Mr. Trifunović questioned whether the waste management topic would also be elaborated. Ms. Radović appended that the waste management issue is not among the main subjects of the presented short term analysis. She said that it certainly plays a major role within the environmental monitoring and that it can be assumed that the Contractor is determined to improve all the aspects gathering with waste management, which could be seen on the site by all the present Forum participants.

– Biology

The Biological Expert Mr. Zlatković presented the new results of the biological monitoring during works. He stated that since the previous Stakeholders' Forum meeting birds, plants and mussels were monitored and sketched the sampling locations. The main conclusion was that all the recorded species are resident for this critical sector and common species of the Danube, which is usual having in mind the period of the year we are dealing with.

Mr. Zlatković claimed that bird and mussel populations are not affected by the works because of the enough distance of the construction site which was respected by the WKSC. The low water period has influenced the biological conditions, which was obvious from the recorded mussel samples. For the same reason new sandy layers were recorded on the bank, but on some locations also bank erosion.

During the next monitoring period the effects on herbaceous plants along banks (primarily *Limosella aquatica*), macrophyte vegetation, development of vegetation, riparian areas, birds populations, mussels population (primarily genus *Unio*), fish population (primarily *Acipenser ruthenus*), protected areas and ecological network, phytoplankton (qualitative and quantitative analysis) will be monitored. The results will also be available in the Intermediate Report.

Q&A

Mr. Mitrović just reminded the S&EMSC and the Forum members and observers about the ToR postulate that in case that the works last more than three months, the monitoring should be repeated – the environmental monitoring during works should cover every three working months, which was unequivocally confirmed by Ms. Garcia Estevez, the Environmental Key Expert.

Presentation of the member or observer of the Stakeholders' Forum

No presentation of a member or observer of the Forum was prepared for this meeting. The invitation was open until the day of the meeting and incorporated in the Agenda, but there were no proposals. Some members are willing to prepare presentations for some of the next meetings. Nevertheless, Mr. Mitrović said that this is a good and useful practice and that should be continued, which was agreed by the participants.

Procedure for the application of compensation measures and catalogue of compensation measures

Ms. Gačić repeated the compensation measures planning and application procedure in short. She skimmed the premises and procedure steps needed to be fulfilled in order to propose and submit for approval a compensation measure.



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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 again the Meeting participants about the open possibility for their suggestions about the compensation measures and briefly described the time and spatial framework for compensation measures application using the Proposal Form prepared by the End Recipient. 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.

The Proposal Form was already sent to all Forum participants and also uploaded on the Forum web page so the Forum members and observers can fill it with their proposals. All proposals could be send by email to the Chairperson or presented during the meeting itself.

Q&A

Mr. Galamboš introduced the intention of the Institute for Nature Conservation of Vojvodina Province to prepare several proposals for the critical sectors covered by the Project. Since the construction works are now based at the Futog sector, he brought the first proposal for this area, which is the first proposal of a compensation measure at all and should be triggering for the other participating institutions/organizations. The proposal will be elaborated by the S&EMSC after the verification of the conditionality principle according to the ToR and if feasible implemented during the Project lifetime.

Visibility and external communication

Regarding the visibility effects of the Project, Ms. Gačić 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. She underlined that all data is bilingual, in English and Serbian language, and that all materials will be prepared in both versions until the end of the project, but that also the materials from the previous work of the Forum (during the project preparatory phase) are stored on the same web page, in both versions. She directed the participants to the official Plovput website, where the Forum web page is hosted (<http://www.plovput.rs/forum-zainteresovanih-strana>).

Ms. Gačić also announced the publication of an article about the Forum in the Danube Watch magazine (published by the ICPDR – international Commission for the Protection of the Danube River) and encouraged the participants to prepare similar articles, reviews etc. about the Forum activities.

Next steps

Mr. Mitrović proposed to the S&EMSC and the present Forum members and observers to first of all prepare a summary of the upcoming Intermediate Report and distribute it like that to the members and observers and then, in case of special requests, to send some parts of the Report in details to the request submitter. This would alleviate all interested parties to have a general overview and to focus on their parts of interest. All the participants agreed with this proposal and the summary is expected to be provided at the beginning of December.

The next meeting date was also under discussion. It was agreed that there is no need to prepare another meeting until the end of this year and that the weather conditions will limit that possibility too. The adopted proposal was that the fifth Forum meeting will be held on March 29th, 2019, when the construction outputs will be clearly visible and just before the restriction period when all construction activities will be stopped according to the Project preconditions established by the Institute for Nature Conservation of Vojvodina Province (April 15 – July 1).



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Evaluation

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

Until the next meeting

Mr. Mitrović thanked also participants for their active involvement during the meeting and reminded that all ideas for the next Forum activities are welcomed and that proposals should be made in a timely manner, after which all participants were prepared for the site visit.

Visit to the Futog construction site

The rest of the Forum meeting was dedicated to the site visit to the detached groyne and chevron construction sites at the critical sector Futog. The participants were able to see the process of geotextile laying and baselayer execution for the chevron, having in mind that the geotextile phase was finished for the groyne and only stone placement could be seen. The Site Engineer, Mr. Kam explained the basic construction work that the Forum members and observers were testifying, enabling a better comprehension of all activities.



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Action List

Action point	Action	Deadline	Responsible
SHFM04-01	Commenting the SHFM04 Meeting Minutes	23.11.2018	All
SHFM04-02	Organize the Stakeholders' Meeting No. 5	29.03.2019	ER, S&EMSC
SHFM04-03	Provide the updated contact list on the official Forum web page	16.11.2018	ER
SHFM04-04	Submit the Intermediate Report summary	05.12.2018	S&EMSC
SHFM04-05	Distribution of the Intermediate Report summary	After the approval of the Report by the CA (to be announced)	ER
SHFM04-06	Sending comments and requests regarding the Intermediate Report summary	Two weeks upon the distribution (to be announced)	Forum members and observers
SHFM04-07	Send proposals for the related presentations by the Forum participants	22.03.2019	All
SHFM04-08	Send proposals for compensation measures to be included in the Catalog	No deadline defined	All
SHFM04-09	Submit proposals for the new members of the Forum	No deadline defined	All
SHFM04-10	Invite relevant NGOs and other organizations to be part of the Forum	Upon the agreement on the list of organizations	ER



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Photos





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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
PPIS	Programme and Project Implementation Schedule
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