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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
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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
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Prepared by	MP
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Date:	12.11.2019

MINUTES OF THE FORUM MEETING

Date	25.10.2019
Duration	10:00-15:00
Meeting venue	Principle Office, Ribnjak donji put, 21000 Novi Sad, Republic of Serbia
Type of meeting	Stakeholders' Forum Meeting
Meeting No.	SHFM07

Duration	Topic	Responsible
08:00	Transport from Belgrade to Novi Sad	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 during Works - Hydromorphology - Sediment and water quality - Biology	S&EMSC
11:05	Q&A	



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Duration	Topic	Responsible
11:20	Status of proposals 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	Coffee break	
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	Lunch	
16:00	Transport from Novi Sad to Belgrade	WKSC, S&EMSC, ER

List of participants

No.	Name and Family Name	Organization
1.	Natalia Garcia Estévez	ACCIONA Ingeniería (S&EMSC)
2.	Tanja Radović	ACCIONA Ingeniería (S&EMSC)
3.	Slobodan Zlatković	ACCIONA Ingeniería (S&EMSC)
4.	Karim Kam	ACCIONA Ingeniería (S&EMSC)
5.	Zoran Rašić	ACCIONA Ingeniería (S&EMSC)
6.	Tanja Ničić	ACCIONA Ingeniería (S&EMSC)
7.	Branka Španiček	WWF
8.	Dejan Trifunović	Danube Commission
9.	Đorđe Višić	Ministry of Construction, Transport and Infrastructure
10.	Lidija Andrijašević Jovanović	Ministry of Finance – CFCU
11.	Ljiljana Marjanović	Institute for Water Management “Jaroslav Černi”
12.	Zoran Knežević	Institute for Water Management “Jaroslav Černi”
13.	Laslo Galamboš	Institute for Nature Conservation of Vojvodina Province
14.	Tanja Bošnjak	Institute for Nature Conservation of Vojvodina Province
15.	Zoran Gačić	Institute for Multidisciplinary Research





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No.	Name and Family Name	Organization
16.	Gorčin Cvijanović	Institute for Multidisciplinary Research
17.	Barbara Keri	Budapest University of Technology and Economics
18.	Péter Rosza	VIZITERV Consult Kft.
19.	Gerrit Kiers	VIZITERV Consult Kft.
20.	Zsafia Fekete	VIZITERV Consult Kft.
21.	Jasna Muškatirović	MCTI – Directorate for Inland Waterways – Plovput (ER)
22.	Zoran Marisavljević	MCTI – Directorate for Inland Waterways – Plovput (ER)
23.	Magdalina Popović	MCTI – Directorate for Inland Waterways – Plovput (ER)
24.	Ivan Mitrović	MCTI – Directorate for Inland Waterways – Plovput (ER)
25.	Stefan Branković	MCTI – Directorate for Inland Waterways – Plovput (ER)
26.	Dušica Marvović	Faculty of Civil Engineering, University of Belgrade
27.	Tamara Vučković	Faculty of Civil Engineering, University of Belgrade
28.	Iva Jevtić	Faculty of Civil Engineering, University of Belgrade
29.	Valentina Rajković	Faculty of Civil Engineering, University of Belgrade
30.	Nevenka Bošić	Faculty of Civil Engineering, University of Belgrade
31.	Teodora Kirćanski	Faculty of Civil Engineering, University of Belgrade
32.	Lazar Bogavac	Faculty of Civil Engineering, University of Belgrade
33.	Dušan Jolić	Faculty of Civil Engineering, University of Belgrade
34.	Teodora Borović	Faculty of Civil Engineering, University of Belgrade
35.	Miloš Tripković	Faculty of Civil Engineering, University of Belgrade
36.	Jovana Dostanić	Faculty of Civil Engineering, University of Belgrade
37.	Filip Đorđević	Faculty of Civil Engineering, University of Belgrade
38.	Maja Milićević	Faculty of Civil Engineering, University of Belgrade
39.	Boško Bojović	Faculty of Civil Engineering, University of Belgrade

Welcome and organizational issues

Mr. Mitrović opened the seventh meeting of the Forum and welcomed the members and observers. New participants from various institutions were present, such as the Institute for Water Management "Jaroslav Černi", representatives of Hungary in front of the Budapest University of Technology and Economics and students of the Faculty of Civil Engineering, University of Belgrade.





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At the beginning of the meeting, participants were introduced to the organizational details, and Mr. Mitrović pointed out before the presentation that all questions were welcomed at any time during the meeting and that anyone who was asked would be willing to answer the question.

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.

Update of the list of members and observers

Mr. Mitrović told that a contact list of all Forum members and observers is published on the Forum website and it is going to be updated after each meeting. This list is still opened, having in mind participants of this meeting and the potential new ones. 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

Mr. Mitrović made a brief overview of the previous activities of the Stakeholders' Forum. He reminded the members and observers about the previous six Forum meetings. During last months the participants of the Stakeholders' Forum meetings had the opportunity to get familiar with the actual results of environmental monitoring performed by the Supervision & Environmental monitoring Service Contractor, which will be remain as practice for the upcoming meetings.

River training and dredging Works Programme

Mr. Tomin briefly presented the Programme and Project Implementation Schedule. This was elaborated as the general status of the Project, considered through three periods: before the SHFM06, between the SHFM06 and this SHFM07 and the review of expected activities.

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

Mr. Tomin presented the scope of the works on the detached groyne and chevron at the critical sector Futog from July 2018 to July 2019 and up to this point with a list of all relevant activities. The construction of both structures was finished in April 2019 up to the item of body profiling, which had to wait for better hydrological conditions in order to be conducted. The construction works on the sills at the critical sector Čortanovci were also presented. Some photos from all construction sites were shown.

Regarding the upcoming activities, the completion of works on Futog and Čortanovci structures was itemed. Construction phase and preparatory activities for another chevron – on the Preliv sector, as well as the environmental monitoring during and after works, are also within the next month plan. The start of preparation for the following dredging activities after the completion of the river training works was announced.



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Q&A

Mr. Trifunović, as the representative of the Danube Commission, suggested the S&EMSC to present the works dynamic plan for all critical sectors at the upcoming SHF meetings, as well as the potential risks for the effective finalization of the Works Contract.

Mr. Trifunovic asked for more details on the start of preparation of the designs for the required dredging works, to which Mr. Tomin replied that they first needed to finish the Preliv sector, which would take three months, during which the ER will prepare new designs. Before any dredging is done, the Contracting Authority has to assess the amount of the material to be dredged.

New results of Environmental Monitoring Report during Works

– Hydromorphology

Morphology is dealing with sediment and bedload transportation, water levels and discharges. Mr. Rašić, the Hydraulic Expert on behalf of the S&EMSC, presented the latest results of hydromorphological measurements on the critical sector Futog, which were carried out during the execution of works, after the completion of the construction of the body of structures and situation on sector Cortanovci. Mr. Rašić spoke about the erosion recorded in March in this part of the river and did some research, where they concluded that these were normal morphological development and that this was a type of hydromorphological erosion. Therefore, the results obtained by the Consultant are compared with the results of bathymetric measurements conducted by Plovput, which are presented on a Sector layout. The hydromorphological status of the Čortanovci sector and ongoing works on the sills was also presented.

Regarding the planned dredging activities Mr. Rašić introduced the present state of the designed dredging and disposal areas to the participants and stated that the designed locations are not feasible at this point of the project implementation and should be again elaborated.

The monitoring data of the RHMS gauging stations Bačka Palanka and Novi Sad was displayed for the past months. This data was and will be used later on for the hydromorphological analysis, as well as the data from the additional gauging stations implemented under this project, which data is available at the link: <http://www.meteos.rs/user/agromah/dunav.php> (existing at the official Forum web page too).

– 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 four regular analyses were performed until now.

The presentation was focused on the sector Futog. Ms. Radovic presented a general monitoring plan for this sector. As mentioned, the analysis of all parameters has already been done, and sampling has been performed for the purposes of less detailed analysis. Ms. Radovic repeated the results of the short water quality analysis on temperature, suspended matters and mineral oils for 4 sampling points on the construction sites of the detached groyne and chevron, at the critical sector Futog (performed in October 2018, February, March and August 2019). As could be seen, all the results correspond to the 1st class of water quality. The parameters of water temperature, suspended particulate matter and



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mineral oils were also considered for the sector Čortanovci (analyzes were conducted in May, July and August 2019), where all results also indicate 1st class in terms of water quality.

Ms. Radovic also presented a general monitoring plan for the sector Čortanovci. Sampling on downstream point of the sills and the results are being processed.

– **Biology**

The Biological Expert Mr. Zlatković presented the new results of the biological monitoring during works. He stated that the biological monitoring aspects covered were: phytoplankton, mussels, birds, fishes, macrovegetation, plants, development of vegetation, riparian areas and protected areas and the ecological network. 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 the existing populations and habitats are not affected by the works because of the enough distance of the construction site which was respected by the WKSC.

Compensation measures

Regarding the request from the member of the Stakeholders' Forum towards the S&EMSC to deliver technical elaboration of the proposed compensation measure, such elaboration was not delivered, and it was agreed to be delivered prior to the next meeting.

Representatives of the S&EMSC have intensified cooperation with the Institute for Nature Conservation of the Vojvodina Province regarding the compensation measures. The consultants have not delivered the detail table with all options for the compensation measure, but have nevertheless discussed options and have agreed to rehabilitate the Rakovacki Dunavac sidearm (deepening). During winter months the design and method will be developed and agreed with the Institute for Nature Conservation of the Vojvodina Province. The compensation measure is feasible during the project timeframe and is expected to be implemented.

Visibility and external communication

Regarding the visibility effects of the Project, 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 directed the participants to the official Plovput website, where the Forum web page is hosted (<http://www.plovput.rs/forum-zainteresovanih-strana>).

Next steps

The date for the next meeting was proposed at the end of the SHFM07. In order to enable an effective site visit, better weather and water level conditions should be waited. For that reason, the eighth Forum meeting is planned to be organized on the 20th of March 2020 in Novi Sad.



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Evaluation

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



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Action List

Action point	Action	Deadline	Responsible
SHFM07-01	Provide technical description of compensation measure for Futog	01.11.2019	S&EMSC
SHFM07-02	Commenting the draft SHFM07 Meeting Minutes	08.11.2019	All
SHFM07-03	Organize the SHFM08	20.03.2020	ER, S&EMSC



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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)
MAFWM	Ministry of Agriculture, Forestry and Water Management
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