

# Forum

## of Stakeholders of the Project

„Preparation of documentation for River Training Works  
on the Critical Sectors of the Danube River in Serbia“

<b>Date:</b>	14-12-2012
<b>Duration:</b>	10:00 - 15:00
<b>Venue:</b>	Directorate for Inland Waterways, Francuska 9, 11000 Belgrade, Serbia
<b>Host:</b>	Directorate for Inland Waterways
<b>Chaired by:</b>	Ivan Mitrovic, Directorate for Inland Waterways

## Meeting Minutes

from the sixth meeting of the Stakeholders' Forum

<b>MMs prepared by:</b>	Milica Curcic, Jasna Muskatirovic, Ivan Mitrovic (Plovput)
<b>Photos:</b>	Luka Krivokuca, Plovput
<b>Version:</b>	Draft
<b>Date of preparation:</b>	21-12-2012
<b>Distributed for comments:</b>	23-12-2012
<b>Final version</b>	31-12-2012



## Agenda

Time	Subject
09:45	Registration
10:00	Welcome speech, agenda, organizational issues
10:10	Meeting Minutes of the fifth meeting of the Forum
10:15	Transparency of the process
10:30	Results of the morphological modeling of the critical sector Susek
11:00	Results of the morphological modeling of the critical sector Futog
11:30	Results of the morphological modeling of the critical sector Arankina ada
12:00	<i>Pause</i>
13:00	Results of the morphological modeling of the critical sector Cortanovci
13:30	Results of the morphological modeling of the critical sector Beska
14:00	Results of the morphological modeling of the critical sector Preliv
14:30	Conclusions, recommendations, next meetings timetable, closing words
15:00	Until the next meeting



## List of participants

Ime i prezime/ Name and family name	Organizacija/ Organization	Skr. / Abbr.	Zemlja/ Country
Dr Benedikt Mandl	Međunarodna komisija za zaštitu reke Dunav / International Commission for the Protection of the Danube River	ICPDR	AT
Dušan Dobričić	Direkcija za vode (Nacionalni ICPDR koordinator) / Directorate of Water (National ICPDR Coordinator)	DzV	RS
Duška Dimović	Svetski fond za zaštitu prirode / World Wide Fund for Nature	WWF	RS
Duško Isaković	Međunarodna komisija za sliv reke Save / International Sava River Basin Commission	ISRBC	RS
Georg Rast	Svetski fond za zaštitu prirode / World Wide Fund for Nature	WWF	DE
Mr Gordana Karović	Aqua et Archaeologia	AetA	RS
Mr Ivan Mitrović	Direkcija za vodne puteve / Directorate for Inland Waterways	plovput	RS
Dr Jasna Muškatirović	Direkcija za vodne puteve / Directorate for Inland Waterways	plovput	RS
Ljubiša Mihajlović	Direkcija za vodne puteve / Directorate for Inland Waterways	plovput	RS
Michel Zuijderwijk	Witteveen Bos	WB	NL
Mićun Stanić	Ministarstvo energetike, razvoja i životne sredine, / Ministry of Energy, Development and environment	MERŽS	RS
Milica Ćurčić	Direkcija za vodne puteve / Directorate for Inland Waterways	plovput	RS
Otto Nagy	Delegacija Evropske unije u Republici Srbiji / Delegation of the European Union to the Republic of Serbia	DEU	EU
Roberto Zanetti	Witteveen Bos	WB	NL
Tanja Bošnjak	Pokrajinski zavod za zaštitu prirode / Institute for Nature Protection of Vojvodina	PZZP	RS
Vladan Malešev	Inter-institucionalna profesionalna mreža u sektoru voda Srbije / Inter-institutional Professional Network in the Serbian Water Sector	IPM	RS



Zoran Novaković	Privredna komora Srbije / Serbian Chambers of Commerce	PKS	RS
Žaneta Ostojić Barjaktarević	Direkcija za vodne puteve / Directorate for Inland Waterways	plovput	RS

Mrs. Ostojic Barjaktarevic, the Director of the Directorate for Inland Waterways, officially opened the meeting, welcomed participants of the sixth meeting of the Stakeholders' Forum for the project "Preparation of documentation for river training works on critical sectors of the Danube River in Serbia", and gave the floor to the chairman of the Forum, Mr. Mitrovic (Directorate for Inland Waterways). Mr. Mitrovic welcomed participants of the meeting and presented the agenda for the sixth meeting of the Forum.

Mr. Mitrovic presented the **MMs from the fifth meeting of the Forum**. He said that, in accordance to the General rules on organization and work of the Forum, all comments from the participants of the meeting delivered until 09<sup>th</sup> of November 2012 have been incorporated into the text, and that this document is available to the public since 14<sup>th</sup> of November, through the web site of the Directorate for Inland Waterways, at the section Stakeholders' Forum.

Mr. Mitrovic informed participants about activities which are being performed in realization of the Article 8 of the General rules on organization and work of the Forum (**Transparency of the work of the Forum**). He informed participants of the meeting about meetings and conferences on which the project and the work of the Stakeholders' Forum have been presented:

- 3. Working groups meeting within the EUDRS (EU Strategy for the Danube Region), 07. November 2012, Belgrade
- Steering group meeting for the PA 1a of the EUDRS, 08. November 2012, Belgrade
- 1. Annual Forum of the EUDRS, 27-28. November 2012, Regensburg

Mr. Mitrovic (Plovput) reported that the article about the work of the Stakeholders' Forum has been prepared and that it will be published within the next edition of the Danube Watch (ICPDR Magazine). After that, a short movie about the Stakeholders' Forum has been presented. After the movie, Mr. Mandl (ICPDR) praised the work of the Forum and pointed out the importance of engagement of all stakeholders in this process.

Mr. Zanetti (WB) informed participants of the meeting about the progress in implementation of the project. He reported that the Feasibility Study is drafted and that consultants received comments on the draft version from representatives of Plovput. Mr. Zanetti said that the project is entering the third phase and that morphological models are being prepared for six critical sectors on the Danube River in Serbia. He stated that morphological modeling is a big challenge for them, having in mind the dynamics of the Danube River. Mr. Zanetti (WB) then gave the floor to Mr. Zijderwijk (WB) who presented modeled critical sectors, with remark that the process of morphological modeling is being performed in iterations in order to achieve optimized results.



Mr. Zuijderwijk (WB) first gave a presentation on the approach in morphological modeling (presentation „**Approach morphological modeling**” can be found on Forum’s web site). Mr. Zuijderwijk (WB) explained that for the purpose of the modeling, the part of the Danube River which is being modeled in this phase of the project was divided in three sub-sectors: Backa Palanka – Novi Sad, Novi Sad – Slankamen, and Slankamen – Zemun. Mr. Nagy (DEU) asked for the reason for this division? Mr. Zuijderwijk (WB) explained that this is more practical decision, having in mind that simulation of one of the sub-sectors lasts for over 30 hours. Mrs. Ostojic Barjaktarevic (Plovput) raised the question about the reliability of the model due to this division. Mr. Zuijderwijk (WB) replied that this division will not affect the reliability of the model. Each morphological sub-model was tested for three year period (including minimal, maximal and average water discharge within the 30 year period on gauging station where water discharge is being measured). Mr. Stanić (MERŽS) asked if upstream model is having an affect on downstream model? Mr. Zuijderwijk (WB) replied that sub-models are being run independently, and when process of modeling is being finalized they will be combined and modeling will be performed for whole sector. Mr. Nagy (DEU) asked if the construction of „Žeželj” Bridge in Novi Sad will have an affect on modeling results? Mr. Zuijderwijk (WB) answered that bridge construction in Novi Sad has local effect on morphology, not on a whole model. Mr. Rast (WWF) asked two questions regarding the setup of morphological model: is absolute water level increasing or decreasing, and are three hydrographs (min, max and average) being incorporated as one hydrograph? Mr. Zuijderwijk (WB) replied that absolute water level is rising in a small extent (for example, at sills for 10cm maximum), and as for a hydrograph, he replied that these three hydrographs are being incorporated into the model as one combined set of data about discharges. Mr. Rast (WWF) asked if it is possible to follow day to day changes in the bed level for each of three used years, when proposed structures are being incorporated into the model? Mr. Zuijderwijk (WB) replied that it is possible. Mr. Zanetti (WB) used the opportunity and encouraged Forum members to let Consortium know which data would be of interest for them, so the access to them can be provided. Mr. Mitrović (Plovput) added that all questions can be raised in electronic form after the meeting. Mr. Stanić (MEMSP) pointed that it would be very interesting to have estimates on how the proposed structures will affect bed level changes in 20-30 years. Mr. Zuijderwijk (WB) replied that it will be part of the morphological model.

After the break, the Forum meeting continued at the RIS center of Plovput. Mr. Mitrović (Plovput) presented some of the tools that are being used in the process of planning within the current project, including database of hydrological data, database of the hydrographical data, database of previous Plovput’s projects, 3D animations of critical sectors, results of the morphological modeling, etc.

Mr. Zuijderwijk (WB) presented the results of the morphological model of the critical sector **Beska**. He presented the 3D animation of this critical sector, including the status according to the latest hydrographic survey performed in August 2012, based on which it can be seen that two locations on this sector are not fulfilling the dimensions of the fairway necessary for safe navigation. On this sector, the river is very wide and at the right side there are a lot of bars and river islands. Mr. Zuijderwijk (WB) reminded participants of the meeting about the preferred option for this sector which includes building of two chevrons and explained where this could lead to the erosion of the river bed, and where sedimentation would occur. Mrs. Muskatirovic (Plovput) stated that this is a very dynamic sector and that dynamics of the sector for the last 20 years have been taken into consideration during the planning



phase, based on the hydrographical data of Plovput. Mr. Rast (WWF) asked if the spawning areas are identified at this sector. Mr. Zanetti said that the spawning areas, according to the data that they received, are located only at critical sectors Cortanovci and Arankina Ada, that they have received the data from the relevant institutions and that these are very important data for the planning of works and their dynamics.

After presentation of the critical sector Beska, Mr. Zijderwijk presented the results of the morphological model of the critical sector **Susek**. He presented the 3D animation of this critical sector, including the status according to the latest hydrographic survey performed in August 2012. He also presented the preferred option for this sector, which has been tested through the morphological model. Mr. Rast (WWF) stated that Susek is a very dynamic sector and that it should be kept in mind in the process of planning that solving navigation obstacles should not lead to misbalance of the eco system. Mr. Mitrovic (Plovput) said that the dredging option is still being analyzed for this sector, with the condition of preserving the sediment balance.

After presentation of the critical sector Susek, the timetable of the next meetings of the Forum has been discussed. It was confirmed that the sixth Stakeholders' Forum meeting will be held on **01<sup>st</sup> of February** 2013 (alternative date is 06<sup>th</sup> of February 2012). Venue and exact timing of the meeting will be defined in due time, in accordance to the timeframe set within the General rules on organization and work of the Forum. After kind words from Forum members about the innovative way of presentation of the project data and expressed willingness to continue activities within the Forum, Mr. Mitrovic thanked all participants for their active role in the Forum and wished Merry Christmas and Happy New Year, with which the sixth meeting of the Forum was officially ended.



## Next steps

Activity	Responsible	Deadline
Uploading of the documentation from the sixth meeting of the Forum to the web site of Plovput (agenda, list of participants, presentations, fairway dimensions, photos)	Chair person	18-12-2012
Delivering comments on the draft version of the MMs from the sixth meeting of the Forum to the chair person	All	31-12-2012
Distribution of the final version of the MMs to participants of the sixth meeting of the Forum	Chair person	07-01-2013
Uploading the final version of the MMs from the sixth meeting of the Forum to the web site of Plovput	Chair person	07-01-2013
Distribution of the draft agenda for the seventh meeting of the Forum	Chair person	21-01-2013
Delivering comments to the draft agenda for the seventh meeting of the Forum to the chair person	All	26-01-2013
Distribution of the final version of the agenda for the seventh meeting of the Forum	Chair person	29-01-2013
The seventh meeting of the Forum	All	01-02-2013 (06-02-2013)









