

Forum

of Stakeholders of the Project

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

Date:	17-08-2012
Duration:	08:00 - 17:15
Venue:	Ship Istrajni I (Directorate for Inland Waterways) - Beska-Belgrade
Host:	Directorate for Inland Waterways
Chaired by:	Ivan Mitrovic, Directorate for Inland Waterways

Meeting Minutes

from the third meeting of the Stakeholders' Forum

MMs prepared by:	Milica Curcic, Jasna Muskatirovic, Ivan Mitrovic (Plovput)
Photos:	Forum members
Version:	Draft
Date of preparation:	20-08-2012
Distributed for comments:	21-08-2012
Final version	04-09-2012



Agenda

Time	Subject
08:00	Meeting point at the Directorate for Inland Waterways (Francuska 9)
08:15	Start from Belgrade to Beska (minibus)
09:45	Getting on board the Istrajni I
10:00	Welcome speech, agenda, organizational issues
10:10	Meeting Minutes of the second meeting of the Forum
10:20	Annex I to the General rules for the organization and work of the Forum - members
10:30	Transparency of the process
10:40	Site visit of critical sector Beska and analysis of alternative solutions
12:30	<i>Break</i>
13:30	Site visit of critical sector Preliv - conclusions and recommendations of the Forum
14:00	Critical sector Susek - analysis of alternative solutions
14:30	Critical sector Futog - analysis of alternative solutions
15:00	Critical sector Arankina ada - analysis of alternative solutions
15:30	<i>Break</i>
16:00	Critical sector Cortanovci - analysis of alternative solutions
16:30	Q&A, discussion
17:00	Conclusions, next meetings timetable, closing words
17:15	Getting off board at the passenger quay of the Port of Belgrade



List of Participants

Ime i prezime/ Name and family name	Organizacija/ Organization	Skr. / Abbr.	Zemlja/ Country
Duška Dimović	Svetski fond za zaštitu prirode / World Wide Fund for Nature	WWF	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
Dr Michael Fastenbauer	via donau - Austrian Waterway Company / Austrijska kompanija za plovne puteve	via donau	AT
Michel Zuijderwijk	Witteveen Bos	WB	NL
Milica Ćurčić	Direkcija za vodne puteve / Directorate for Inland Waterways	plovput	RS
Nataša Đereg	Centar za ekologiju i održivi razvoj / Centre for Ecology and Sustainable Development	CEKOR	RS
Nenad Nikolić	Lokalna agenda 21 za Kostolac / Local Agenda 21 for Kostolac	LA21	RS
Mr Pavle Galić	Ministarstvo saobraćaja / Ministry of Transport	MS	RS
Roberto Zanetti	Witteveen Bos	WB	NL
Slobodan Krstović	Nacionalna alijansa za lokalni ekonomski razvoj / National Alliance for Local Economic Development	NALED	RS
Srećko Nikolić	Udruženje kapetana Srbije / Ship Masters Association of Serbia	UKS	RS
Tanja Bošnjak	Pokrajinski zavod za zaštitu prirode / Institute for Nature Protection of Vojvodina	PZZP	RS
Tanja Lukić	Ministarstvo saobraćaja / Ministry of Transport	MS	RS
Žaneta Ostojic Barjaktarević	Direkcija za vodne puteve / Directorate	plovput	RS



	for Inland Waterways		
<i>Crew of the ship Istrajni I</i>	Direkcija za vodne puteve / Directorate for Inland Waterways	plovput	RS

Members of the Stakeholders' Forum gathered at the headquarters of the Directorate for Inland Waterways, after which a ride in a minibus towards the Beska and getting on board of **ship Istrajni I**, vessel of the Directorate for Inland Waterways, was performed.

Mrs. Ostojic Barjaktarevic, the director of the Directorate for Inland Waterways, officially opened the meeting, welcomed participants of the of the third 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 the chairman of the Forum, Mr. Mitrovic (Directorate for Inland Waterways). Mr. Mitrovic welcomed participants of the meeting and presented the agenda for the third meeting of the Forum.

Mr. Mitrovic presented the **MMs from the second 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 02nd of August 2012 have been incorporated into the text, and that this document is available to the public since 03rd of August, through the web site of the Directorate for Inland Waterways, in the section Stakeholders' Forum.

Mr. Mitrovic emphasized the **importance of the transparency** of the work of the Forum and 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 that until now almost 2.000 hits to the Forum section of the sew site have been recorded.

Mr. Mitrovic reminded members of the Forum that, according to the General rules on organization and work of the Forum, they have a **right to access the information** related to the project. He informed participants that Mr. Rast (WWF) used this right and that consultants are preparing answers to his questions in the written form. Mr. Mitrovic stated that these questions and answers will be available to members of the Forum, as well as to general public, through the web site of the Directorate for Inland Waterways, in the section Stakeholders' Forum.

Mr. Zanetti (Witteveen Bos) presented the list of critical sectors for which alternative solutions will be presented during the third meeting of the Forum. Those are critical sectors Beska, Cortanovci, Arankina ada, Futog i Susek, which are located on the territory of the Republic of Serbia. Before presentation of the **preliminary analysis of alternative solutions for the critical sector Beska**, Mr. Mihajlovic (Plovput) gave an introduction about the historical development of this sector. After this short introduction, while the ship Istrajni I entered this sector, Mr. Zuijderwijk (Witteveen Bos) presented three alternative solutions which have been modelled within hydrodynamic programme MIKE 11. Mr. Zuijderwijk (Witteveen Bos) pointed out existence of the shallow area in this sector which is located near the right bank, and said that the fairway is currently located near the left bank of the Danube River. He made detailed elaboration on three modelled solutions, which purpose is to extend the fairway up to the recommended 200 m (in accordance with the Danube Commission Recommendations). Mr. Rast (WWF) asked about the definition of the shallow



area. Mr. Mihajlovic (Plovput) answered that shallow area is part of the river with the depth less than 2.5 m. Mr. Rast (WWF) asked about the height of proposed river training structures and if it is possible for structures (chevrons) to have variable crest levels? Mr. Zuijderwijk (Witteveen Bos) answered that the starting crest level, which have been tested in the model is MWL+0.5m, and that optimisation of all structures will be performed, in terms of exact location and dimension, and regarding the different crest levels of one structure, that it will be considered in the next phase of the project. Ms. Dimovic (WWF) asked what would be the positive impact of application of those structures to the environment. Mr. Zuijderwijk (Witteveen Bos) answered that application of optimised structures would enable preservation of the dynamics of the river, and that chevrons would have positive impact on creation of new sand bars which existence is important for some species. Mr. Zanetti (Witteveen Bos) said that he is aware of the fact that chevrons have not yet been applied on the Danube River. With regard to that, application of chevrons would be useful at one critical sector in the form of a pilot, so that their effects could be monitored. If this solution proves to be a good one, then it could be applied later on other critical sectors on the Danube River. Mr. Rast (WWF) asked if the sector Beska was critical before the construction of the bridge. Mr. Zuijderwijk (Witteveen Bos) answered that this sector was critical before, but that navigation problems have been intensified after the construction of the bridge. Mr. Nikolic (UKS) said that, for the navigation of ships and big convoys, it is very important that applied structures establish equal distribution of discharges and velocities of water, and that this should be considered during the modelling phase. Mr. Zanetti (Witteveen Bos) agreed with this statement, with which the discussion on the alternative solutions for the critical sector Beska ended.

After finalization of the presentation of the critical sector Beska, while ship Istrajni I was entering the critical sector Preliv, Mr. Mitrovic reminded participants of the meeting that **sector Preliv** was the subject of the second meeting of the Forum which was held on 13th of July 2012. Ms. Djereg raised a question about the water quality at this part of the Danube River, and asked if consultants have performed any additional water quality survey. Mr. Zanetti (Witteveen Bos) answered that all existing data about the water quality are being used and that the quality of water is on a acceptable level, according to those data. Mr. Mitrovic once again emphasized that all documentation which is being prepared is being prepared in accordance to the legislation of both Republic of Serbia and European Union, while Mrs. Ostojic Barjaktarevic said that documentation will be submitted also to the State Revision Commission. Members of the Forum had no additional question regarding this critical sector, so the chairman suggested making a break, in accordance to the agenda for the meeting.

After one hour break, the meeting of the Forum was continued by invitation of Mr. Mitrovic to the representatives of the consortium preparing the documentation to present the **preliminary results of the analysis of alternative solutions for the critical sector Susek**. Mr. Zanetti (Witteveen Bos) explained the current situation and elaborated obstacles for safe navigation on this critical sector. He said that this is very complicated sector, in terms of balancing improvement of navigation conditions and environmental protection. After that, Mr. Zuijderwijk (Witteveen Bos) presented two potential solutions, which have been modelled within hydrodynamic programme MIKE 21. Mr. Rast (WWF) asked what the height of proposed sill is and what is the difference between the crest level of the structure and the LNL? Mr. Zuijderwijk (Witteveen Bos) answered that heights of sills are 4-5m, while the the difference between the crest level of the structure and the LNL is minimum 5m. Mr. Rast



stated that it is very important to have the difference between the crest level of the structure and the LNL of at least 8m, since sturgeons prefer to migrate in waters 8 and more meters deep, and therefore the height and structure of the bottom sill structure and the water depth above is of ecological importance and should be considered in the planning and design process.. Mr. Rast (WWF) asked if sills are perpendicular to the bankline, from which materials it would be built, and how it would influence the sediment transport in the area. Mr. Zuijderwijk (Witteveen Bos) answered that sills are perpendicular to the bank in the model, but that their position will be further optimized, that it should be made of stone, and that detailed information about the sediment transport in the area will be known in the next phase of the project with the development of the morphological model. Mr. Rast (WWF) asked how these structures would influence the dynamics in the sidearm in the Susek critical sector. Mr. Zuijderwijk (Witteveen Bos) said that preserving the dynamics of the river and its sidearms is important part of the planning and design phase. Mr. Rast (WWF) stated that it is very important for those structures to have openings, so that dynamics of the river would not be threatened. After the detailed discussion on potential solutions for the critical sector Susek, Forum members agreed that this sector is very complicated, and that additional analysis is needed, in order to find sustainable solution.

Representatives of the consortium than presented the **preliminary results of the analysis of alternative solutions for the critical sector Cortanovci**. Mr. Zanetti (Witteveen Bos) explained the current situation and elaborated obstacles for the safe navigation on this critical sector. Mr. Zuijderwijk (Witteveen Bos) presented three alternative solutions, which have been modelled within hydrodynamic programme MIKE 21. He said that this sector is very dynamic, which can be seen in the serious of historical cross-sections. Mr. Rast (WWF) raised question about the influence of application of proposed structures to the environment. Mr. Mr. Zuijderwijk (Witteveen Bos) said that team of environmental experts is working on the project and that they are using all relevant information during the planning and design phase.

Representatives of the consortium than presented the **preliminary results of the analysis of alternative solutions for the critical sector Arankina ada**. Mr. Zanetti (Witteveen Bos) explained the current situation and elaborated obstacles for the safe navigation on this critical sector. Mr. Zuijderwijk (Witteveen Bos) presented two alternative options, which have been modeled within hydrodynamic software MIKE 21. Mr. Rast (WWF) asked about the dimensions of proposed sills in the sector Aranika ada. Mr. Zuijderwijk (Witteveen Bos) answered that height of sill would be 3-4m, and length 150-200m, and that they would always be under the water level. Mr. Zuijderwijk (Witteveen Bos) stated that application of these structures would increase the discharge in the main channel, and that the channel in which sills are proposed would not be blocked. Mr. Rast (WWF) noticed that these two modeled options are similar, and that only after the application of morphological model it would be possible to say which option is better and more sustainable. Mr. Rast asked if the channel in which sills are proposed have been used as a fairway in the past. Ms. Muskatirovic (Plovput) answered that that left sidearm was not used for navigation, but fairway downstream from the bar had to be moved towards the right bank, due to the changes in the river channel. Forum members had no further questions, so the chairman ended this part of the meeting.

Mr. Mitrovic kindly asked Forum members to fill one short questionnaire, so that **work of the Forum could be evaluated** and potential areas for improvements in the future work



could be identified. Members of the Forum accepted this proposal and filled the questionnaire. After that, a timeframe for the next meetings have been set. It was confirmed that the fourth meeting of the Forum will be held on **14th of September** 2012, while the fifth meeting of the Forum will be held on **24th of October** 2012. Venue and exact timing of those meetings 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 way in which the meeting have been organized and chaired, and expressed willingness to continue activities within the Forum, Mr. Mitrovic thanked all participants for their active role in the Forum, with which the third meeting of the Forum was officially ended.

Naredni koraci

Activity	Responsible	Deadline
Uploading of the documentation from the third meeting of the Forum to the web site of Plovput (agenda, list of participants, presentations, fairway dimensions, photos)	Chair person	21-08-2012
Delivering the missing names of deputy members of the Forum to chair person for finalizing the Annex I to the General rules on organization and work of the Forum	Members of the Forum	01-09-2012
Delivering comments on the draft version of the MMs from the third meeting of the Forum to the chair person	All	01-09-2012
Distribution of the final version of the MMs to participants of the third meeting of the Forum	Chair person	06-09-2012
Uploading the final version of the MMs from the third meeting of the Forum to the web site of Plovput	Chair person	06-09-2012
Distribution of the draft agenda for the fourth meeting of the Forum	Chair person	04-09-2012
Delivering comments to the draft agenda for the fourth meeting of the Forum to the chair person	All	09-09-2012
Distribution of the final version of the agenda for the fourth meeting of the Forum	Chair person	12-09-2012
The fourth meeting of the Forum	All	14-09-2012
The fifth meeting of the Forum (provisional)	All	24-10-2012





