

# 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>	13-07-2012
<b>Duration:</b>	10:00 - 14:00
<b>Venue:</b>	Directorate for Inland Waterways, Francuska 9, 11000 Belgrade, Republic of Serbia
<b>Host:</b>	Directorate for Inland Waterways
<b>Chaired by:</b>	Ivan Mitrovic, Directorate for Inland Waterways

## Meeting Minutes

from the second meeting of the Stakeholders' Forum

<b>MMs prepared by:</b>	Milica Curcic, Ivan Mitrovic (Plovput)
<b>Photos:</b>	Luka Krivokuca (Plovput)
<b>Version:</b>	Final
<b>Date of preparation:</b>	16-07-2012
<b>Distributed for comments:</b>	17-07-2012
<b>Final version</b>	02-08-2012

## Agenda

Time	Subject
09:45	Registration
10:00	Welcome speech, introductions (of new participants), agenda, organizational issues
10:20	Meeting Minutes of the first meeting of the Forum
10:40	Second draft of the General rules for the organization and work of the Forum
11:00	Annex I to the General rules for the organization and work of the Forum - Forum members
11:15	Transparency of the process - Plovput's web site
11:30	<i>Break</i>
12:30	Methodology for evaluation of alternative solutions for critical sectors
12:45	Presentation of one critical sector - analysis of alternative solutions
13:00	Q&A, discussion
13:45	Conclusions, next meetings timetable, closing words
14:00	The end



## 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
Dragana Milovanović	Direkcija za vode / Directorate for Water	DzV	RS
Georg Rast	Svetski fond za zaštitu prirode / World Wide Life Fund	WWF	DE
Mr Gordana Karović	Aqua et Archaeologia	AetA	RS
Mr Ivan Mitrović	Direkcija za vodne puteve / Directorate for Inland Waterways	plovput	RS
Ivana Dmitrović	Energoprojekt	EP	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
Marko Tucakov	Pokrajinski zavod za zaštitu prirode / Institute for Nature Protection of Vojvodina	PZZP	RS
Michel Zuijderwijk	Witteveen Bos	WB	NL
Mićun Stanić	Ministarstvo životne sredine, rudarstva i prostornog planiranja / Ministry of Environment, Mining and Spatial Planning	MEMSP	RS
Milica Ćurčić	Direkcija za vodne puteve / Directorate for Inland Waterways	plovput	RS
Milica Đukić	Ministarstvo za infrastrukturu i energetiku / Ministry of Infrastructure and Energy	MIE	RS
Mirjana Lazović	Kancelarija za evropske integracije / Serbian European Integration Office	SEIO	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
Otto Nagy	Delegacije EU u Republici Srbiji / Delegation of the European Union to the Republic of Serbia	DEU	EU



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 Lukić	Ministarstvo za infrastrukturu i energetiku / Ministry of Infrastructure and Energy	MIE	RS
Vladimir Pajvančić	Javno vodoprivredno preduzeće Vode Vojvodine / Public Water Management Company Vode Vojvodine	VV	RS
Žaneta Ostojic 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 all participants of the second meeting of the Stakeholders' Forum of the project "Preparation of documentation for River Training and Dredging Works on Critical sectors on the Danube River in Serbia" and gave the floor to Mr. Mitrovic (Directorate for Inland Waterways), the chair person of the Forum. Mr. Mitrovic welcomed all participants of the second meeting of the Forum and proposed to all participants to introduce themselves, having in mind new members of the Forum who were not able to participate at the first meeting of the Forum. After introductions of all participants, Mr. Mitrovic presented the agenda for the second meeting of the Forum.

Mr. Mitrovic presented the **MMs from the first meeting of the Forum**. He said that, in accordance to the General rules on organization and work of the Forum, comments submitted by participants of the meeting until 11<sup>th</sup> of July 2012 have been incorporated into the text of the MMs, and that the document is available to the public since 12<sup>th</sup> of July on the web site of Plovput, in the section Stakeholders' Forum. After that, Mr. Mitrovic asked members of the Forum if they are satisfied with the structure and the level of details of the text of the MMs. No objections on the structure and the level of details of the text of the MMs have been raised, so **it was agreed for MMs of the future meetings of the Forum to be prepared in the same form.**

Mr. Mitrovic presented the second draft of the **General rules on organization and work of the Forum** and informed participants that comments and suggestion submitted by members of the Forum, have been integrated into the text. Mrs. Djereg (CEKOR) raised the question about the article 9, related to the termination of the work of the Forum, meaning what is the reason for linking the duration of the work of the Forum with the date of finalization of the project. Mr. Mitrovic explained that the article 9 is defined in line with the available existing comparable practice. In addition, he said that there are no obstacles for the Forum in the current composition, if its work is evaluated as usable and identified as a good practice, to continue its work, depending on real needs and activities which will follow the realization of the current project. Mr. Nikolic (LA 21) raised the question on article 5 of the drafted



document, meaning why some other institutions and organizations are not being included in the work of the Forum. Mr. Mitrovic said that the work of the Forum is completely transparent, and that all stakeholders can register for the participation at the meetings, in line with the General rules on organization and work of the Forum. He explained that the number of observers at the meetings is limited on 15 with obligatory pre-registration, in order to guarantee efficient work of the Forum. Mr Mitrovic added that the provision on the defined maximum number of observers on the meetings of the Forum have been introduced into the second draft version of the General rules on organization and work of the Forum upon the request of members of the Forum. Participants of the meeting then agreed that the second draft version of the document can be considered as the **final General rules on organization and work of the Forum**. After that, Mr. Mitrovic announced that this document will be **available to the public** at the web site of Plovput, in the section Stakeholders' Forum, in line with the principle of transparency of the overall process.

Mr. Mitrovic presented the **draft version of the Annex I to the General rules on organization and work of the Forum**. He apologized for the technical error related to the status of Mr. Nikolic (LA 21) who is presented in the document as the deputy member of the Forum, instead of as a member, and said that this technical error will be fixed. Mr. Mitrovic asked members of the Forum if they agree on the structure of this document, which contains the following columns: logo of the organization, name of the organization, its abbreviation, name and family name of the member of the Forum, name and family name of the deputy member of the Forum, web site of the organization, and e-mail of member and deputy member of the Forum. Mr. Mitrovic kindly asked participants of the meeting to submit, electronically, missing names of deputy members of the Forum, after internal consultation within their organizations, in order to guarantee the continuity of the work of the Forum, in situations when members of the Forum are not able to participate at future meetings of the Forum (in accordance to the General rules on organization and work of the Forum). No objections on the structure and form of the document have been submitted, so the proposal of Mr. Mitrovic for **the final version of the Annex I to the General rules on organization and work of the Forum to be available to the public** on the web site of Plovput, in the section Stakeholders' Forum, was accepted by participants, in line with the principle of transparency of the overall process.

Mr. Mitrovic emphasized the **importance of the transparency of the work of the Forum** and informed participants of the meeting on **actions performed so far** related to the article 8 of the General rules on organization and work of the Forum (Transparency of the work of the Forum):

- After organization of the first meeting of the Forum, in accordance to the General rules on organization and work of the Forum, a separate section on the web site of Plovput has been opened, named Stakeholders' Forum (<http://www.plovput.rs/forum-zainteresovanih-strana>)
- A banner that leads directly to this section of the Web site is placed at the front page of the web site
- Access to the section Stakeholders' Forum is enabled to all stakeholders and general public, without any restrictions
- In accordance to the timeframe set in the General rules on organization and work of the Forum, materials from the first meeting of the Forum held on 26<sup>th</sup> of June 2012 are already available to the public (agenda, list of participants, presentations from the meeting, MMs, photos)



- Documentation from the first meeting of the Forum is available in both Serbian and English language
- Documentation from the second meeting of the Forum, as well as from all future meetings, will be available to the public, in the timeframe defined within the General rules on organization and work of the Forum
- Journalist from the daily newspaper Politika attended the first meeting of the Forum
- Since the opening of the separate section Stakeholders' Forum on the web site of Plovput (27<sup>th</sup> of June, the day after the first meeting of the Forum) until 12<sup>th</sup> of July, 740 hits on this section of the web site have been recorded
- The text titled "Stakeholders' Forum established" was published in the regular monthly newsletter of Plovput no. 57 (June 2012)
- Newsletter of Plovput is being distributed, with no restrictions, to all e-mails addresses which are registered through the simple automatic system of registration available on the web site of Plovput (medija centar, newsletter)
- Currently, the newsletter of Plovput is being distributed to more than 500 registered e-mail addresses

Ms. Karovic (AetA) asked if it is allowed to post the direct link that leads to the section of the web site of Plovput related to Stakeholders' Forum on web site of Aqua et Archaeologia and web sites of other members of the Forum. Mr. Mitrovic said that it is allowed, since it is not in collision to the General rules on organization and work of the Forum. Mr. Nikolic (LA 21) offered his contacts with media to the disposal for the needs of the Forum. Mr. Mitrovic thanked Mr. Nikolic and stated that there are no obstacles for the Forum to use all available resources in order for the process to be transparent. In addition, Mr. Mitrovic informed participants of the meetings that the official visibility event is planned (in accordance to the contract between the DEU, as the donor for the project, and the consortium implementing the project), and that all members of the Forum will be informed in time about the exact date of this event. Mr. Mandl (ICPDR) emphasized the importance of the transparency of the work of the Forum and creation of conditions for all stakeholders to be included in the process.

Mr. Mitrovic held the presentation titled **Methodology for evaluation of alternative options**, in which he proposed the way in which alternative solutions for critical sectors will be presented at the Forum meetings. The following criteria have been presented: **effectiveness (influence on navigation conditions), impact on environment and costs**. After that, three colours have been presented: **green, orange, and red**, which signals the result of the preliminary analysis of proposed alternative options. The basic reason for introducing this simplified methodology for evaluation of alternative solutions is to enable understanding of the thematic for all members of the Forum, as well as for general public. Mr. Mitrovic explained that this simplified methodology in no way limits members of the Forum to raise highly detailed questions related to these three criteria. To the question of Mr. Mandl (ICPDR) on effects which are not covered by any of those three criteria, Mr. Mitrovic answered that these effects will be treated within the fourth criteria named Social impact. This analysis will be presented by the consortium for all critical sectors, at the following Forum meetings. In addition, Mr. Mitrovic presented possible situations and combinations of this multi-criteria analysis and emphasized that **no decisions on solutions for identified critical sectors have been made so far**, and that it is expected from the Forum members, in the following period, to contribute in order for the best solutions to be identified (in accordance to the General rules on organization and work of the Forum). Mr.



Tucakov (PZZP) emphasized importance of performing this analysis for all critical sectors, including all available information in the process or preparation of EIA. Mr. Mitrovic once again stated that official procedure for the preparation of EIA has not yet started (that the official request for the scope and the content for EIA has not yet been submitted), and that one of goals of organization of the Forum is enabling stakeholders participation at the beginning of the planning process and proposing of certain measures. It was stated that relevant information forwarded from stakeholders will be adequately treated in the process of analysis and proposing certain measures for each of the critical sectors. Mr. Rast (WWF) said that it is necessary for the term “stability off the fairway” to be precisely defined in the methodology for evaluation of alternative options. Mr. Mitrovic answered that this term is not related to the fixed positioning of the fairway in the future, but rather to the sustainability of the proposed solution regarding establishing improved navigation conditions. Ms. Ostojic Barjaktarevic (Plovput) once again explained the position of Plovput as the beneficiary of the project, after which Mr. Nagy (DEU) stated that the consortium which won the tender for this project have the team of experts for all three criteria by which alternative options will be evaluated. Mr. Stanic (MEMSP) raised question related to the joint sector of the Danube River with the Republic of Croatia, about the project which is at this moment under preparation in the Republic of Croatia. He stated importance of cooperation between expert teams which work on those two projects and synchronization of proposed solutions. Mr. Mitrovic answered that the primary focus of the current project is defining solutions for critical sectors which are located on the Danube River in Serbia (which will be treated to the level of main designs), while critical sectors which are located on the joint stretch of the Danube River will be discussed within the Forum to the level of conceptual designs. Mr. Mandl (ICPDR) emphasized **importance of performing adequate analysis for critical sectors and availability of information to the members of the Forum and the public, so that interests of different stakeholders could be properly represented.** Mr. Mitrovic supported this position of Mr. Mandl, and announced the end of the first session of the second meeting of the Forum.

After one hour break, the meeting of the Forum was continued by invitation of Mr. Mitrovic to representatives of consortium to present results of the **preliminary analysis of alternative solutions for the critical sector Preliv**. As an introduction, Mr. Zanetti (Witteveen Bos) explained that at the beginning of the project analysis have been performed and that 24 critical sectors have been identified. At the current phase of the project, all identified critical sectors are being analyzed, based on three criteria: effectiveness, impact on environment, and costs. Solutions which pass preliminary analysis will be modelled using the 2D hydraulic model. Mr. Zanetti proposed to the members of the Forum to focus on critical sectors 18-24, which are located on the stretch of the Danube River through the Republic of Serbia, since selected solutions will be treated up to the level of main designs, by introduction of the morphological model. Mr. Stanic (MEMSP) and Mr. Rast (WWF) stated that, if proposed solutions are completely different, it will not be easy to prove which solution is better without morphological model. Mr. Zanetti expressed his belief that, having in mind limited number of acceptable alternative solutions based on the multi-criteria analysis, it should be possible to agree which alternative solution should be further investigated within the next phase of the project. Mr. Mihajlovic (Plovput) briefly presented **characteristics of the sector Preliv**, including its history since the first half of 1980s, when this sector became critical for navigation. He explained that this sector, located 20 km upstream of Belgrade, is very dynamic, which caused frequent changes in the position of the fairway (sometimes those changes, in terms of shifting the fairway from the right to the left channel and vice versa),



had been performed in 15 days intervals. Between the right and the left channel is an island which is an important bird area (IBA area). Currently the fairway is located in the left channel, in which there is not enough space, in terms of fairway parameters, which would guarantee safe navigation. The right channel is under the influence of existing sand bars and sand bars in creation, which are near the defined important bird area. Based on the analyses performed for the last 15 years, it is predicted that sector Preliv will continue to be dynamic in the next 20 years, influencing navigation conditions. Mr. Zuijderwijk (Witteveen Bos) presented **possible solutions for the critical sector Preliv**: dredging, construction of two chevrons, and construction of two chevrons and one guiding bund. After that, he presented the results of multi-criteria analysis for all three alternative solutions, mentioning the fourth solution which was discarded at the beginning due to the identified high impact on the environment. Elaborating dredging as a solution for this sector, Mr. Zuijderwijk said that original profiles (current situation) would be restored in intervals of 3.5 to 11 months, depending on the location at which dredging would be performed. He also stated that dredged material, in line with the identified good practice, in order to preserve the morphological dynamics of the river and the sediment balance in and out of the sector would be refilled to the river, upstream of the dredged location. Elaborating on chevrons, he said that those structures are identified as an ecologically acceptable, having in mind their position on the river where their construction is being proposed and their influence on creation of sand bars. Mrs. Muskatirovic (Plovput) added that chevrons are identified as examples of good practice in the PLATINA manual on sustainable waterway management (2010). During the presentation of Mr. Zuijderwijk, **members of the Forum raised different questions**. Mr. Tucakov (PZZP) asked what are the chevrons made of, and Mr. Zuijderwijk answered that they are made of stone. Mr. Rast (WWF) asked what guarantees that slight increase of the velocity in the left channel would improve navigation conditions. Mr. Zuijderwijk said that even this limited increase of the velocity would effect the improvement of the navigation conditions and prevention of the navigation conditions from getting worse, having in mind prediction on the dynamics of this sector. Mr. Rast (WWF) asked what is the typical particle size in this sector, on which Mr. Zuijderwijk replied that the size is in the range of 0.2 to 0.3 mm. Mr. Rast (WWF) then asked what is the quantity of the sediment that enters and leaves the sector, and Mr. Zuijderwijk answered that the precise quantity would be calculated in the next phase of the project, with the morphological model. On the question of Mr. Rast what would be the goal of the application of this solution, Mr. Zuijderwijk said that the goal would be to slightly improve navigation conditions in the left channel and to prevent their worsening in the future. Mr. Nikolic (LA 21) asked how application of chevrons would influence the erosion of the downstream part of the island. Mr. Zuijderwijk said that the erosion of the underwater part of the island is possible, and that precise calculation would be performed in the next phase of the project with the use of morphological model. Mr. Stanic (MEMSP) asked for the justification of selection of chevrons instead of some other type of river training structures, such as sills. Mr. Zuijderwijk answered that structures are being proposed based on the analyzed influence of the navigation conditions and environment. Mr. Rast (WWF) asked if **historical data** on the erosion of the profiles on the sector Preliv exist. Mr. Mihajlovic (Plovput) answered that all available data that Plovput has have been put at the disposal to the consortium (cross-sectional database with the digital data since 1987 until today, with the remark that the data since 1960s are available, but not in digital form). Evidential profiles surveyed at the distance of approximately 1.000 m for the whole period are available, timely comparable, having in mind that surveys are always being performed at the same profiles of the River. Besides these data, since 2007, profiles at 200 m distance are available. Those data have been used



for the analysis of all 24 critical sectors. The whole database of Plovput is being used for the purposes of this sector, as well as for the analysis of other 23 critical sectors. Mr. Stanic welcomed this approach, emphasizing the importance of existence and usage of such hydrographical database, which allows clear image of the historical dynamics of critical sectors. Mr. Nikolic (UKS) asked what would be the increase of the velocity in the fairway, after the application of chevrons. Mr. Zuijderwijk answered that increase of the velocity would be in the range of 0.1 to 0.2 m/s. Mr. Nikolic (UKS) asked how such an increase of the velocity would influence the maneuvering of large convoys in the bends, and would the navigation through the right channel between chevrons be possible. Mr. Zanetti (Witteveen Bos) said that the consortium is taking care for the proposed solutions to be in line with the interests of the navigation, as well as to be environmentally friendly, and that eventual application of chevrons would not make it impossible for ships to enter the right channel, in case of the need for shelter. The exact position, the shape and the size of chevrons would be determined with application of the morphological model in the next phase of the project. Mr. Tucakov (PZZP), mentioning that he personally expected proposal of options which would have much higher impact to the environment, asked if the increase of the velocity would damage the right bank of the river. Mr. Zuijderwijk said that here is an existing revetment on this location and that in the next phase of the project eventual need for its treatment would be investigated, in consultation with stakeholders. Mr. Rast (WWF) asked what is the expected lifetime of these structures (in relation to the economic assessment of costs), and Mr. Zanetti (Witteveen Bos) answered that the design lifetime is 40 years. Mr. Rast (WWF) asked about the timeframe that is being considered in the cost-benefit analysis. Mr. Mitrovic said that consultants are obliged to apply the legislation of the Republic of Serbia, as well as the legislation of the European Union. In accordance to the EU manual on CBA (2008), effects of works on the water need to be evaluated in the timeframe of 30 years.

After the detailed discussion, the definition of the timeframe for the next meetings of the Forum followed. It was agreed for the next meetings of the Forum to be held on **17<sup>th</sup> of August** and **14<sup>th</sup> of September** 2012, at the headquarters of the Directorate for Inland Waterways. The provisional timing for the meetings is 10:00-14:00.

Mr. Mitrovic proposed for all participants to express their impressions on the held meeting. Ms. Djereg (CEKOR) suggested the possibility for refunding of the travelling costs, for the Forum members who needs to travel to Belgrade, to be investigated. Mr. Mitrovic said that the proposal is reasonable, that some actions related to the subject have already been taken, and that conversation on this subject will be continued in the following period, in order to find the solutions which would be acceptable for all Forum members. After kind words from the participants on the organization and their expressed willingness to participate at the future activities of the Forum, Ms. Ostojic Barjaktarevic and Mr. Mitrovic thanked all participants for their active role, after which the meeting was officially closed.





## Next steps

Activity	Responsible	Deadline
Uploading of the documentation from the second meeting of the Forum to the web site of Plovput (General rules on organization and work of the Forum, agenda, list of participants, presentations, photos)	Chair person	17-07-2012
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	28-07-2012
Delivering comments on the draft version of the MMs from the second meeting of the Forum to the chair person	All	28-07-2012
Distribution of the final version of the MMs to participants of the second meeting of the Forum	Chair person	02-08-2012
Uploading the final version of the MMs from the second meeting of the Forum to the web site of Plovput	Chair person	02-08-2012
Distribution of the draft agenda for the third meeting of the Forum	Chair person	07-08-2012
Delivering comments to the draft agenda for the third meeting of the Forum to the chair person	All	12-08-2012
Distribution of the final version of the agenda for the third meeting of the Forum	Chair person	14-08-2012
The third meeting of the Forum	All	17-08-2012
The fourth meeting of the Forum (provisional)	All	14-09-2012





