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Working language – *English*

**13th Special Session of the Sava
Commission**
September 22-23, 2009

Secretariat of the Sava Commission

Doc. No. 1S-13-O-09-5/1-2
September 8, 2009

WATER MANAGEMENT ISSUES

Realization of the Work Plan of the ISRBC for 2009 – Status Report

No.	ACTIVITY AND OPERATIONAL TASKS	OUTCOMES / STATUS	NEXT STEPS / PROPOSAL / REMARK
1.	RIVER BASIN MANAGEMENT		
1.1	DEVELOPMENT OF THE SAVA RBM PLAN¹		
1.1.1	Adjustment of the Structure and Road map (Action plan) for the Sava RBM Plan development ² (Q2-Q4)	<p>The activity is foreseen to be executed in scope of the project “Technical Assistance in the preparation and implementation of the Sava River Basin Management Plan”. The whole project will be executed through two parallel lines, “grant” and “tender” lines. Most of the activities planned are to be executed in coordination of the two project lines.</p> <p>The Secretariat has prepared the grant application for the project “Technical Assistance in the preparation and implementation of the Sava River Basin Management Plan” (grant line) and sent it to EC for informal revision.</p>	It is expected that the full application for the grant will be submitted to the European Commission in the 2 nd week of September 2009, immediately after informal consultations and EC revision are finished.

¹ Implementation of the activities is planned through the project „Technical assistance in the preparation and implementation of the Sava River Basin Management Plan“.

² The Structure and Road map for the preparation of the Sava RBM Plan is a “living” document and as such is to be further adjusted in the beginning of activities of the Sava RBM Plan development project.

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		EC has launched procurement procedure for the project “Technical Assistance in the preparation and implementation of the Sava River Basin Management Plan”- tender line, in June 2009. Two-steps procurement procedure finished in August 2009. Submitted proposals of shortlisted companies are currently in the evaluation process by the EC.	Both project lines are expected to be active by the end of 2009 or early 2010 (contracts signed and activities on preparation of the Sava RBMP started).
1.1.2	<p>Identification of data gaps of the „Sava River Basin Analysis Report“</p> <ul style="list-style-type: none"> • Initial identification of data gaps of the „Sava River Basin Analysis Report“ (Q1-Q2) • Identification of all gaps (inc. non-collection of data and data collected but where methodologies or standards require adaptation) (Q4+) • Proposal of methodologies to be used in situations where there are insufficient data (Q4+) 	<p>Initial identification of data gaps finished during work on the Sava RBA Report.</p> <p>See explanation under Outcomes/Status for the activity 1.1.1</p>	<p>See explanation under Next steps/Proposals for the activity 1.1.1</p>
1.1.3	<p>Filling the identified gaps of the “Sava River Basin Analysis Report” in accordance with the existing list of contents, including: (Q1-Q4)</p> <ul style="list-style-type: none"> • Cross-cutting issues • Preliminary identification of key WM issues 	<p>See explanation under Outcomes/Status for the activity 1.1.1</p>	<p>See explanation under Next steps/Proposals for the activity 1.1.1</p>
1.1.4	<p>Preparation of key background documents for the Sava RBM Plan (e.g. hydrology, morphology, hydraulics, hydropower utilisation, river regulation/flood protection, navigation, sanitary engineering, biology, ecology, (hydro)geology, pedology (i.e. the study of soils in its natural environment), economy, law)³ (Q3-Q4+)</p> <ul style="list-style-type: none"> • Agreeing on set-up and start of work on 	<p>See explanation under Outcomes/Status for the activity 1.1.1</p>	<p>See explanation under Next steps/Proposals for the activity 1.1.1</p>

³ The Secretariat, PEG RBM and other related EG should actively participate in preparation of ToRs and other necessary documents. External consulting assistance needed on an ad-hoc basis.

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	preparation of key background documents		
1.1.5	Further upgrade of the Sava GIS project and preparation of maps for the purposes of the Sava RBM Plan ⁴ <ul style="list-style-type: none"> • Continuation of data collection (Q1-Q4) • Compilation of maps (Q2-Q4) 	Some additional maps, not included in the Sava RBA report, compiled and ready for publishing. In the grant application for the preparation of the Sava RBMP, the two main activities are foreseen: <ul style="list-style-type: none"> – refinement and verification of already collected data and preparation of the core data set; – establishment of the Sava GIS core functionalities. 	See explanation under Next steps/Proposals for the activity 1.1.1
1.2	PUBLIC PARTICIPATION		
1.2.1	Further elaboration of the existing draft document on public participation plan in the development of the SRBM Plan (Q3-Q4)	See explanation under Outcomes/Status for the activity 1.1.1	See explanation under Next steps/Proposals for the activity 1.1.1
2.	FLOOD MANAGEMENT		
2.1	DEVELOPMENT OF PREPARATORY DOCUMENTS		
2.1.1	Position paper for flood management in the Sava River Basin <ul style="list-style-type: none"> • Preparation of final version of the position paper (after the meeting for harmonization of the Protocol on flood protection) (Q1) 	<u>Outcomes:</u> Draft prepared by the Secretariat.	<u>Next steps:</u> The final version shall be prepared after the negotiation meeting on the Protocol on flood protection. <u>Remark:</u> The final version shall be mainly based on the solutions and joint actions agreed by the Protocol on flood protection. Negotiations on the Protocol on flood protection by the Parties, shall secure the direction to the Secretariat in developing proposals for common actions in the field of flood management.
2.1.2	Preparation of the Action programme (Structure and Road map) for the SRB Flood Risk Management Plan (continuation of work) <ul style="list-style-type: none"> • Development of the initial draft prepared in FY08 (Q3Q4) 	<u>Outcomes</u> The first draft of the Table of Contents for <i>Program for Development of the Flood Risk Management Plan (FRMP) in the Sava River Basin</i> prepared. The Secretariat is preparing upgrade of the initial draft.	<u>Next steps:</u> Further development of the initial proposal. <u>Remark:</u> see under 2.1.1

⁴ The activity includes further data collection in close cooperation with country institutions and the ICPDR, and the preparation of GIS maps based on received inputs. For this purpose, external consulting services are needed on an ad-hoc basis.

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2.2	PRELIMINARY FLOOD RISK ASSESSMENT		
2.2.1	Follow up of the activities on risk assessment in the Sava countries and exchange of experiences <ul style="list-style-type: none"> • Ad-hoc information exchange on the developments in the Sava countries (Q2-Q4) • Updating of summary information (questionnaire) for the Sava river basin (Q3-Q4) 	<u>Outcomes</u> Summary information prepared based on the Sava GIS needs assessment and on the ICPDR related activity.	<u>Remark:</u> Continuing activity through the work of the Group on other issues and data collection. Will be checked and upgraded if necessary.
2.2.2	Coordination of information exchange on Preliminary flood risk assessment preparation (Q1-Q4)		<u>Remark:</u> see under 2.1.1
2.3	FLOOD HAZARD AND RISK MAPS		
2.3.1	Flood mapping inventory, evaluation of methodologies and recommendations for further work <ul style="list-style-type: none"> • Upgrade of information and data already provided and/or delivery of missing data (Q1-Q4) • Updating of the summary information for the Sava river basin (Q3-Q4) 	<u>Outcomes</u> <ul style="list-style-type: none"> - GIS map of important flood prone areas in the Sava RB has been prepared; - Summary information upgraded. 	<u>Next steps:</u> Further actions shall be performed in accordance with the needs for preparation of the joint flood mapping study.
2.3.2	Preparation of the joint flood mapping study for the Sava River <ul style="list-style-type: none"> • Final assessment of available data⁵ (Q1-Q2) • Preparation of the ToR for the study (in cooperation with the USACE) (Q2-Q4) • Presentation of the project scope to the responsible ministries⁶ (Q4) 	<u>Outcomes:</u> <ul style="list-style-type: none"> - See 2.2.1 and 2.3.1. - In addition, the Secretariat prepared a summary table of the data specifically related to the flood mapping study preparation. <u>Status:</u> <ul style="list-style-type: none"> - Three teleconferences between the Secretariat and the 	<u>Next steps (USACE cooperation):</u> <ul style="list-style-type: none"> - Detailed scope of services to be provided by the Corps by mid September, - Information to be distributed to the PEG FP for comments, - Collection of the existing data (inputs) from the institutions who own it, - It is expected that the mapping exercise

⁵ Meeting with the responsible institutions (who own data) to be organized, if needed.

⁶ The final agreement of the Parties on the scope of the Study and possible modes of financing is needed.

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		<p>USACE experts have been organized to discuss the scope of work of the Corps to support the ISRBC mapping activity.</p> <ul style="list-style-type: none"> - Steven Grant (USACE) visited the Secretariat to discuss the assistance to be provided. - The Secretariat provided necessary inputs (hydrologic and GIS) to the Corps experts to make an initial model in order to investigate the required inputs for the study. 	<p>will be provided by the Corps based on data collected and submitted by the ISRBC.</p> <p><i>Remark:</i></p> <ul style="list-style-type: none"> - The main concern in the assesment of the already collected information on data is about the availability of DTM (digital terrain models), as well as the existing cross-sections of the Sava river bed. Most of these data are declared as „not free of charge“ although in possession of mostly state institutes. As these data are the most expensive inputs in the mapping study, this problem should be solved in FY09. <p><i>Proposal:</i></p> <ul style="list-style-type: none"> - If USACE confirms its engagement in the Sava flood mapping, the letter to relevant national institutions who own the data should be prepared and distributed by the Secretariat. The letter should contain all relevant information on the purpose of the data collection, as well as a statement that the data will not be used for any commercial purpose. - Meeting with the responsible institutions (who own data declared as „not for free“, e.g. geological institutes) to be organized in order to discuss the issue and find a way to acquire needed data for free, if and where possible. Otherwise, it will significantly increase the costs of the study.

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2.4	FLOOD FORECASTING AND WARNING		
2.4.1	Assessment of the existing national flood forecasting and warning systems, in cooperation with the National Hydro-Meteorological Services (NHMSs) <ul style="list-style-type: none"> • Upgrade of information prepared by the PEG FP in FY08 (Q1-Q3) 	<u>Outcomes:</u> Brief assessments included in the received country assessments and incorporated in the Annex on Flood management of the Sava RBA Analysis Report and its appendices.	<u>Next steps:</u> Further work on the issue is expected primarily from the new <i>Ah</i> HM EG.
2.4.2	Development of hydro-meteorological information and flood forecasting and warning system <ul style="list-style-type: none"> • Preparation of a new project proposal within the SEE Transnational Cooperation Programme (TCP) (Q1) • Submission of the project proposal to the SEE TCP programme (Q2) 	<u>Status:</u> Upon suggestion of the ISRBC, the members of the <i>Ad-hoc</i> HM EG agreed to prepare a project proposal for the next call for projects within the SEE TCP.	<u>Next steps:</u> The next call for project proposals in the SEE TCP will be launched in September 2009, tentatively. The Secretariat will organize a meeting with possible project partners at the end of September. The commitment of the NHMSs for participation at the call will be discussed also on the meeting with the directors of NHMSs, to be organized subsequently.
2.5	OTHER FLOOD RELATED ACTIVITIES		
2.5.1	Support and coordination of all activities in harmonization of methodologies, joint actions and plans of the Sava countries	<u>Status:</u> Continuing activity within the regular work of the PEG FP.	
2.5.2	Preparation of the joint emergency plan <ul style="list-style-type: none"> • Initial assessment of the project scope in accordance with the joint activities anticipated by the Protocol on flood protection (Q3-Q4) 		<u>Remark:</u> See under 2.1.1
2.5.3	Promotion of exchange of knowledge with international river basin commissions, scientific and research institutions and associations	<u>Status:</u> Recent cooperation with the USACE. See 2.3.2. Cooperation with the ICPDR in preparation of the Flood Action Plan (FAP) for Danube sub-basins. The representative of the ICPDR attended the last PEG FP meeting. The Sava countries thereafter prepared the FAPs for their national territories.	<u>Next steps:</u> Assistance to the ICPDR in preparation of common FAP for the Sava river basin. Mode of cooperation between the ICPDR and ISRBC to be defined in the contacts between the Secretariats.

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3.	ACCIDENT PREVENTION AND CONTROL		
3.1	JOINT SAVA SURVEY		
3.1.1	Preparation of a new project proposal within the SEE TCP programme <ul style="list-style-type: none"> • Establishment of the project team (Q1) • Preparation of ToR for the new project proposal (Q1-Q2) • Submission of the project proposal to the SEE TCP programme (Q2-Q3) 	The Secretariat is working on the establishment of project team for the next call for project proposals within the SEE TCP, which will be open in September 2009 tentatively. The working title of the project is “Biodiversity based on Environmental Status of Sediment, Water and Biota in the Sava River Basin” (BIOSED). The following institutions have been identified as possible partners in the project: <ul style="list-style-type: none"> - Institute Jožef Štefan (SI) - lead partner - Institute Ruđer Bošković, Croatian Waters (HR) - Institute for water from Bijeljina, HEIS (BA) - IBR Siniša Stanković, Institute for biology and ecology, PMF (RS) - Environmental Institute Kos (Slovakia) - Sava Commission – observer. 	After opening the call, the lead partner will organize a workshop to identify scope and main objectives of the project.
3.1.2	Organization of workshop with the institutions participating in the Joint Sava Survey (Q2)		
3.2	DEVELOPMENT OF THE INTEGRATED SYSTEM TO EXCHANGE DATA AND INFORMATION ON APC		
3.2.1	Testing of the integrated system to exchange data and information on accident prevention and control <ul style="list-style-type: none"> • 1st announced AEWS test (Q1) • 2nd unannounced AEWS test (Q3) 	Announced test of the AEWS system (Test SAVA09) was performed on March 18, 2009. The test was started by the ISRBC, which sent an e-mail to PIAC in SI (PIAC 06). PIAC 06 informed SI Expert Unit (ExU) and SI Decision Making Unit (DMU) and sent a message to other PIACs in the SRB. PIAC in HR informed the HR Expert Unit and HR Decision Making Unit, as well. After receiving confirmation of all PIACs, the ISRBC announced end of the test.	The next test will be performed in October 2009. PEG APC concluded that it is very useful to repeat such test at least once a year. The next test will focus on the contents, not to the surprise. The ExUs and DMUs will be involved, as well.
3.2.2	Analysis of tests of the integrated system to exchange data and information on accident prevention and control (Q2, Q4)	The test has shown that the information system works according to expectations, although it has been noticed that PIAC centers and Expert Units and Decision Making Units are operational 24/7 only in HR and SI. The Secretariat organized a training course which was held on June 4, 2009, for the PIACs staff. Representatives from all PIACs	A meeting with relevant authorities in RS to present the importance of the establishment of the PIAC centers operational 24/7, will be held on September 11, 2009. A similar meeting is supposed to be held in BA, once the Secretariat receives

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		<p>of the Parties were present on the course. It has been concluded by the members of PEG APC that the national legal and institutional background has not been developed yet to insure the effective early warning and response in case of emergency situations in BA and RS.</p>	<p>information on contact persons and potential participants of the meeting.</p>
3.2.3	<p>Improvement of the integrated system</p> <ul style="list-style-type: none"> • Development of contingency plan and decision support system within the WACOSS project (Q2-Q4) 		<p>The improvement of the integrated system will be included within the WACOSS project. In the Drina river sub-basin (BA, ME and RS), the networking and functioning of the AEWS system will be supported by the project “Enhancing cross-border cooperation in the Drina river basin to fight poverty and improve water management through the support to Drina River Committee”, which has been launched by REC.</p>