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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 (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><u>Outcomes</u></p> <ul style="list-style-type: none"> - Full grant application document for the project “Support to the ISRBC in preparation and implementation of the Sava RBM Plan” <p><u>Status</u></p> <ul style="list-style-type: none"> - The grant is approved by the EC and contract between the EC and the ISRBC signed 	<p><u>Next steps</u></p> <p>PEG RBM15 is scheduled for January 28-29, 2010. The Consultant shall prepare draft documents (Action plan etc..) for discussion and agreement on future direction. Participation of the representatives of the EC at the meeting is also expected.</p> <p><u>Proposal</u></p> <p>In order to ensure wide support to the preparation of the Sava RBM Plan, the planned activities with requirements from the Parties should be presented to the high level representatives of the countries.</p>

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

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		- For tender line of the project, the EC awarded the contract to the consortium from Slovakia	
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><u>Outcomes</u> Initial identification of data gaps finished during work on the Sava RBA Report.</p> <p><u>Status</u> See explanation under Outcomes/Status for the activity 1.1.1</p>	See explanation under Next steps/Proposals for the activity 1.1.1
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 	See explanation under Outcomes/Status for the activity 1.1.1	See explanation under Next steps/Proposals for the activity 1.1.1
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)² (Q3-Q4+)</p> <ul style="list-style-type: none"> • Agreeing on set-up and start of work on preparation of key background documents 	See explanation under Outcomes/Status for the activity 1.1.1	See explanation under Next steps/Proposals for the activity 1.1.1
1.1.5	Further upgrade of the Sava GIS project and preparation of maps for the purposes of the Sava RBM Plan	<p><u>Outputs</u></p> <ul style="list-style-type: none"> - Thematic maps prepared by the Secretariat for the purposes of the Sava RBA Report 	<p><u>Next steps</u></p> <p>Through the grant line of the SRBMP project, further refinement and verification</p>

² 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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	<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 published	of already collected data and preparation of the core data set is anticipated. Additionally, the maps for the Plan shall be prepared in coordination with the Consultant.
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	
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 which is scheduled for January 2010. <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. Ongoing upgrade of the initial draft by the Secretariat.	<u>Next steps</u> Upgrade will be discussed on the next PEG FP meeting scheduled for February 2010. <u>Remark</u> See under 2.1.1

No.	ACTIVITY AND OPERATIONAL TASKS	OUTCOMES / STATUS	NEXT STEPS / PROPOSAL / REMARK
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 by the Secretariat based on information provided by the PEG; - 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 data (Q1-Q2) • Preparation of the ToR for the study (in cooperation with the USACE) (Q2-Q4) • Presentation of the project scope to the responsible ministries³ (Q4) 	<u>Outcomes</u> <ul style="list-style-type: none"> - See 2.2.1 and 2.3.1. - Detailed ToR and Scope of services for the study have been provided by USACE and generally accepted by the PEG FP - Initial georeferenced HEC-RAS Model of the Sava River has been prepared by the Corps - Secretariat prepared a summary table of the data owned by the institutions specifically related to the flood mapping study preparation in order to collect and upgrade the model 	<u>Next steps (USACE cooperation)</u> <ul style="list-style-type: none"> - Collection and analysis of existing data (inputs) from the institutions who own it, - USACE plan to provide following outputs in Q4 and Q1-Q3 of FY 2010: <ul style="list-style-type: none"> ○ Georeferenced HEC-RAS Model of the Sava River ○ Guidance and Geospatial Products

³ The final agreement of the Parties on the scope of the Study and possible modes of financing is needed.

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		<p><u>Status</u></p> <ul style="list-style-type: none"> - Secretariat distributed the letters to the relevant institutions in the Sava River Basin who own the input data for the study - Collecting of additional data is ongoing activity - Six teleconferences between the Secretariat and the USACE experts have been organized to discuss the scope of work of the Corps to support the ISRBC mapping activity - 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><i>Supporting Flood Hazard and Risk Mapping</i></p> <ul style="list-style-type: none"> o <i>Geospatial database model for Hydraulic Structure Surveying and Inventorying</i> o <i>Product Transfer and Technical Training</i> <p><u>Proposal</u> To organize a meeting with the high level country representatives in order to discuss the issues of remaining data submission, and gain support for the next step in preparation of flood hazard and risk maps.</p>
2.4	FLOOD FORECASTING AND WARNING		
2.4.1	<p>Assessment of the existing national flood forecasting and warning systems, in cooperation with the National Hydro-Meteorological Services (NHMSs)</p> <ul style="list-style-type: none"> • Upgrade of information prepared by the PEG FP in FY08 (Q1-Q3) 	<p><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.</p>	<p><u>Next steps</u> Further work on the issue is expected primarily from the new <i>Ah</i> HM EG.</p>
2.4.2	<p>Development of hydro-meteorological information and flood forecasting and warning system</p> <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) 	<p><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. The Secretariat made necessary preparatory steps to initiate the activity. The Area of Interest regarding water management and flood protection were not open within the second call for project proposal to the SEE TCP launched in November 2009 as expected.</p>	<p><u>Next steps</u> The third call for project proposals in the SEE TCP will be launched in the autumn 2010 tentatively. The Secretariat and the <i>ad-hoc</i> HM EG will identify relevant project partners/ organizations in SRB.. 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. Other funding possibilities will be reconsidered meanwhile as well.</p>

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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>Outcomes</u> Finalization of the common Flood Action Plan for the Sava River sub-basin by the ISRBC, as a support to the ICPDR activity on the Danube River Basin level. <u>Status</u> Final Sava FAP submitted to the ICPDR On recent cooperation with the USACE, see 2.3.2.	
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 proposal is prepared in response to the second call for project proposals within the SEE TCP, which was opened on November 23, 2009, and closed on December 21, 2009. The title of the project is “Biodiversity based on Environmental Status of Sediment, Water and Biota in the Sava River Basin” (BIOSED). The following institutions are the project partners: <ul style="list-style-type: none"> - Institute Jožef Štefan (SI) - lead partner - Republic of Srpska, Ministry of Agriculture, Forestry and Water Management, Water Agency for Sava River District (BA) - Sava River Basin Agency Sarajevo (BA) - University of Zagreb, Faculty of Science (HR) - Faculty of Science, University of Kragujevac, Institute of biology and ecology (RS) 	After the evaluation of the Expressions of Interest, the second step will be opened in April 2010 tentatively. If the BIOSED passes the first step, the lead partner will prepare the project application. If confirmed, the project will start in the autumn 2010.

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		<ul style="list-style-type: none"> - Institute for biological Research Siniša Stanković (RS) - National Institute of Biology (SI) - Water Research Institut (http://www.vuvh.sk) (SK)) - Sava Commission, ICPDR and REC – observers. <p>The Expression of Interest (EoI) has been submitted to the SEE Joint Technical Secretariat.</p>	
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	<p>Testing of the integrated system to exchange data and information on accident prevention and control</p> <ul style="list-style-type: none"> • 1st announced AEWS test (Q1) • 2nd unannounced AEWS test (Q3) 	<p>The 2nd unannounced test of AEWS system (TestMOKRICE09) was performed on December 3, 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 PIAC06 announced the end of the test.</p>	<p>The results of the test will be discussed on the next meeting of PEG APC, which will be held in February 2010.</p>
3.2.2	<p>Analysis of tests of the integrated system to exchange data and information on accident prevention and control (Q2, Q4)</p>	<p>The tests which were performed in 2009 showed 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. On September 11, 2009, a meeting with relevant institutions in Serbia was held. The meeting showed that Serbia has already achieved a certain progress concerning establishment of PIAC operating 24/7.</p>	<p>A similar meeting is supposed to be held in BA, once the Secretariat receives 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 in 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>