



INTERNATIONAL SAVA RIVER BASIN COMMISSION

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**10th Sava PEG RBM Meeting
REPORT¹
Zagreb, Croatia – December 16-17, 2008**

¹ Final PEG version-subject to adoption of the ISRBC

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Minutes of the meeting

AD.1 Opening of the meeting

1.1 Welcome address

Chairman of the PEG RBM, Mr. Zeljko opened the meeting and welcomed all the participants. He notified that all the countries are represented at the meeting. The full list of participants is attached to this report as Annex I.

1.2 Adoption of the Agenda

The Chairman proposed one modification of the draft agenda distributed to the Group: To insert "Part I: Sava RB overview and general characteristics" as the agenda item 4.1..

- ✚ **The PEG RBM adopted the agenda of the 10th PEG RBM meeting with proposed modification**

(See meeting document Ref.No.: 3-08-13/2-2-PEG.1).

AD.2 Adoption of the Report from the PEG RBM 9th meeting

BA and CRO had some comments to the issue 4.1 Water quantity issues as follows:

CRO:

"Croatian representatives have declared that they have already done about 70% of the analysis, the questionnaire has been filled. They also stated that data are going to be prepared in a month, and delivered after internal review and verification."

BA:

"FBiH has already prepared the data from the preliminary report on Strategy for Water Management – first draft should be finished in October and adopted until the end of 2008. The data will be delivered after adoption of the Strategy."

There were no other comments.

- ✚ **The report of the 9th PEG RBM meeting was adopted with incorporation of the above comments**

(See meeting document AD 2 PEG RBM9 ReportwithAnnexes_Final)

AD.3 Brief report on activities performed between the 7th and the 8th PEG RBM Meeting

Mr. Komatina reported on the activities of the ISRBC since the last meeting in September.

The key points of his presentation are:

The outcomes of the 11th Special Session of the ISRBC

- **Chairmanship** taken over by Croatia
 - **Chairman:** Mr. Branko Bačić
 - **Deputy Chairman:** Mr. Aleksandar Prodanović (Serbia)
- **Strategy** on Implementation of the FASRB – adopted
- **GIS Implementation Strategy** – adopted

- **Sava Water Partnership** proposal presented at the Session
- **Review of other past, ongoing and future activities and events**
- **Ad-hoc Financial EG** – established (1st Meeting on 18 Dec 2008)
- **Ad-hoc HM EG** – nominations completed, group to be established soon
- **2nd Meeting of the Parties** to the FASRB (June 1, 2009, Belgrade)
 - Organizational Board established
 - Draft Agenda to be presented at the 5th Regular Session of the ISRBC (January 27-28, 2009)
- **National Reports** on Implementation of the FASRB
 - Templates **delivered** to the Parties (17 Oct 2008)
 - **Deadline** for submission to the ISRBC set to: 1 Dec 2008
 - **Reminder** sent to the ISRBC members – deadline shifted to 10 Jan 2009
- **Protocols**
 - **Prevention of Water Pollution caused by Navigation**
 - Draft adopted by the ISRBC and delivered to the Parties (15 Nov 2008)
 - Deadline for submission of comments: **15 Jan 2009**
 - **Flood Protection**
 - Draft under finalization (to be delivered for approval by the ISRBC soon)
 - **Emergency Situations**
 - Draft under finalization (to be delivered for approval by the ISRBC soon)
 - **Transboundary Impact**
 - Draft under development
 - "Extended" Legal EG to meet soon (January 19-21, 2009)
 - **Sediment Management**
 - Developed by the Task Group (2nd meeting to be held in January 2009)
- **Meetings in the Parties related to SRBA finalization**
 - Meetings held in **Slovenia** and **Serbia**
 - **Priority given to data delivery** for SRBA finalization by 1 Apr 2009
 - Meetings in **B&H** and **Croatia** to be organized in **January 2009**
- **Workshop** on Environmentally Sustainable Management and Maintenance of Inland Waterways (October 21, 2008, Belgrade)
- **Joint Statement** on Environmentally sustainable nav. **Follow-up Meeting**
 - Organized jointly with **ICPDR** and **Danube Commission**
 - To be held on **January 29-30, 2009**, in Budapest
- **Memorandum of Understanding on Cooperation between the Danube Commission and the ISRBC** adopted by both commissions, to be signed in January 2009
- **Projects**
 - **SRBA Report – Hydromorphological Part**
 - Financed by the Government of Sweden through the UNECE
 - Procurement Procedure running
 - **Water Pollution Contingency Management System for the Sava River Basin (WACOSS)**
 - 1.3 M€; Lead Partner: Univ. of Ljubljana
 - Proposal submitted to TCP SEE, final decision in March 2009
 - **Preparation of Implementing Documents for the establishment of the Sava GIS**
 - Modified ToR to be considered for approval by the ISRBC at the 5th Regular Session
 - **Protection and Sustainable use of the Dinaric Karst Aquifer System (GEF Regional Project)**
 - Albania, B&H, Croatia, Montenegro + Serbia, Slovenia

- **Rehabilitation and Development of Navigation on the Sava River**
 - **Feasibility Study** finalized (October 2008)
- **Waterway Marking System for the Sava River**
 - Ongoing, the waterway will be **completely marked by mid 2009**
- **Master Plan for Development of Nautical Tourism in the Sava River Basin**
 - Project Fiche prepared
- **RIS Implementation on the Sava River**
 - Under preparation
- **PLATINA, NEWADA, WANDA**
 - ISRBC – Status of PSC Member or Observer
- **Web site of the ISRBC redesigned**

(See meeting document AD.3 Presentation_ISRBC_PEG RBM 10).

The Group took note on the presentations. After discussion PEG RBM adopted following recommendations:

- The Secretariat should put the names of members and deputy members of all ISRBC's expert groups to the official web site of SC to enable easier contacts between them
- The ToRs of other groups should be also put to the web site for information on their scope of work

AD. 4 Sava RB Analysis Report

4.1 Part I: Sava RB overview and general characteristics

Mr. Zeljko presented the status on the Part I of SRBA

(See meeting document AD.4.1 Sava RBA report_Part_I).

After discussion PEG RBM agreed on following actions:

- Population, main economic activities, GDP and other basic data will be delivered by countries. Population data will be given for the country and for the basin in the particular country. GDP will be given for the countries. Data about main economic sectors will be given only for the basin.
- Paragraph 1.2 (FASRB) shall be revised and shortened by the Secretariat
- Paragraph 2: Water resources management in the Sava RBD (2.1, 2.2, 2.3, and 2.4) should be delivered by the countries.
- Paragraph 3.1.3: Lithological data in GIS form will be delivered by countries
- Paragraph 3.2: Trends for the water quality – see 4.2.
- Paragraph 3.3, 3.4: Description of the climatic conditions and hydrology data will be available when the hydrology project is finished (end of January 2009).
- Paragraph 3.4.2.2 BA will check out if the lakes with the area larger than 50 km² exist on its territory. The other countries reported that there are no lakes larger than 50 km² at their territory.
- Paragraph 3.4.2.3. HR will check the data on its territory
- Paragraph 3.4.2.4. PEG RBM decided that all important groundwater bodies will be part of the SRBA and shown on the map to be prepared by the Secretariat.
- Paragraphs 3.5.1& 3.5.2: Basically, Ecological characterization should be given by the LIFE project. Scope of their work shall be defined by the Secretariat

- Paragraphs 3.5.3 & 3.5.4. The countries shall check the data and availability of GIS data and deliver it to the Secretariat along with the necessary description.
- Paragraph 3.6: Countries will deliver the economy data until the end of January. Data which have already been delivered to the ICPDR may be used.

4.2 Water quality and quantity chapter

➤ Discussion on status, missing data and next steps

Mr. Zeljko and Mr. Groselj presented the status on the data delivery for the Water Quality chapter of the SRBA report (See meeting document AD 4. 2.1 Sava_WQ_Draft_5.1).

They emphasised following issues:

- After the last PEG RBM meeting only additional data from Fed BA have been received. Most of data have been taken from the ICPDR Roof Report;
- Fed BA has sent some comments to the report.
- The Secretariat incorporated some maps in the chapter (ver. 5.1) which should be reviewed during the meeting.

After discussion on water quality chapter the PEG RBM agreed on following:

- Table 1-1 should be moved to Part I of the SRBA report.
- Table 1-2 – BA will check data on lakes (is there is any lake larger than 50 km²) on their territory. Other countries have not reported about such lake.
- Official international country codes should be used in the report.
- Templates will not be the part of SRBA document and there is no need to make reference on them in the text.
- In table 1-3 country order should follow upstream/downstream rule,
- Table 1.4&1.5 -SI, RS and HR should send revised boundaries of eco-regions in shp format. All countries shall check and adjust textual part if necessary.
- The countries shall provide the GIS data for preparation of lithological map of the SRB.
- Table 1-6 – Some data and findings are changed since they are collected. The countries shall check the table and make adjustments found necessary.
- The Secretariat shall, in cooperation with the PEG members from BA, revise templates and other data received from BA once more to harmonize the data for river typology.
- Table 1-9 SI and BA should check data provided (missing data on some Sava tributaries from agreed list) and make necessary adjustments.
- The Secretariat should check text about BA reference conditions which have been delivered by BA
- SI will deliver the text for Approaches for delineation of reference conditions by countries (paragraph 1.2.1.2.4.1)
- Secretariat should check data for BA in Table 1-16, 1-17 and 1-18. Generally it is necessary to gain information from Republika Srpska about additions made in the national report submitted to the ICPDR.
- HR will check data for driving forces and RS will deliver new data (Table 1-22)

- The Secretariat should check and introduced text for Significant sources of organic pollution-methodology per country which has been sent by BA
- Table 1-26 -Secretariat should contact the ICPDR to gain data for the Sava countries from the ICPDR emission inventory,
- there is probably no data about hazardous substances pollution (Chapter 1.4.2.2.2 and 1.4.2.3.2)
- There is no data about diffuse pollution
- RS will deliver text on methodology for hydromorphological pressure assessment
- Data about hydromorphological alteration will be supplemented by outcomes from "hydromorphology project"
- RS will change text for methodology of identification of AWBs and HMWBs (chapter 1.6.1)
- Table 1-31 –HR will submit data on AWB.
- BA has identified provisionally HMWBs. HR will check which data could be delivered for HMWBs. RS will check already delivered data.
- In table 1-39 and 1-40 last row (total) should be deleted and footnote, that harmonization of WBs has not been provided yet should be written. Table 1-40 should check for BA with the Republika Srpska.
- According to BA remark table 1-41 and figure 1-8 should be modified
- Table 1-42 data for BA will be checked by the Secretariat
- Tables 1-39 to 1-46 –data missing for HR. HR will check and provide missing data.
- Current Water quality of the Sava River should be incorporated in the report. Data will be taken form ICPDR TNMN Water Quality Database for 2005. The most important parameters of WQ should be chosen based on the proposal from HR. RS shall prepare a report for the most relevant downstream station with longer period of monitoring.
- For all other remarks and comments check AD 4. 2.1 Sava_WQ_Draft_5.1.

Mr. Grosej presented the status on the data delivery for **the Water Quantity chapter** of the SRBA report and already prepared tables and graphs for the chapter (See meeting document AD.4.2.2 Water quantities).

He again emphasised that he Secretariat has received complete data from RS only (use and demands) and partially from SI (use).

The PEG RBM took note on the presentation.

Discussed issues, statements and conclusions:

- HR data on water quantity are currently in the process of official validation before submission which is expected by the end of year.
- The current status of preparation for BA-Republika Srpska shall be checked by the Secretariat. The PEG member from F BA shall contact relevant institutions (Ministry and WM Institute, who is preparing the WM Strategy, in order to prepare requested information on time).
- Slovenian PEG member stated that organization of data preparation for Slovenia is under inter-institutional assessment.

- The Group agreed that all countries incorporate in the tables irreversible water losses.

4.3 The Sava RBA report maps

- **Presentation of work on maps**
- **Discussion on status, missing data and next steps**

Mr. Zeljko presented the current status of data collected from the countries needed for the maps preparation. (See meeting document AD.4.4 PEG RBM 10MAPS presentation).

He also presented work already done by the Secretariat on the maps preparation and emphasised following main problems recognized so far in the map preparation:

- various coordinate systems and projections (GK, WGS, ETRS) and GK zones (5, 5.5, 6 and 7)
- no metadata
- different scales of basic data (from 1:25000-1:300000)
- no harmonization between countries
- different attributes submitted by each country

Thereafter, the Group discussed the status of the maps. It was noted that:

- Map 1 "Countries in SRB"
- Map 2 "Overview of the SRB"
- Map 3 "Relief and Topography"
- Map 4 "Land use"
- **All data available**
- Map 5: Lithological map of SRB - all countries should send data in accordance to the WFD requirements.
- Map 7 "Mean Annual Temperatures"
- Map 8 "Precipitation in SRB"
- Map 11 "Hydrometeorological monitoring stations"
- **Will be delivered by hydrology project**
- Map 13: "Quality and Quantity Monitoring Stations on Sava and its Main Tributaries" - **Only TNMN stations will be shown on this maps**
- Map 14 "Groundwater Water Bodies" – **data delivered by SI,HR,BA,RS. The Secretariat should contact MNE.**
- Map 15 "Quality and Quantity Monitoring Stations of Groundwater" - **No data about groundwater QQ stations available. The map will be omitted.**
- Map 16 "Floodprone areas in SRB" - **Data delivered by HR,BA,RS. Partially missing data from SI.**
- Map 17 "Protected Areas" – **Data delivered by SI. Missing data from BA,HR,RS.**
- Map 18 "Wetlands" – **Missing data. Hopefully to be delivered by LIFE project.**
- Map 19 "Eco-regions Overview" - **should be modified based on data to be delivered by the countries.**
- Map 20 "Point sources" - **Data for point sources have been sent to ICPDR by the countries. The Secretariat shall contact ICPDR to get available data.**

Other agreed actions:

- HR shall check the attributes of already submitted data on water bodies and rivers and deliver corrected version to the Secretariat, Croatia will deliver data for sub-basins.
- HR should also deliver data on subbasins prepared in accordance to the agreed list of the Sava River tributaries
- Once all the data on river network and subbasins are submitted the Secretariat shall prepare the final maps on the Sava rivers (in accordance with the list of the Sava tributaries) with its catchment areas

The PEG RBM took note on the information provided and acknowledged the work already done by the Secretariat.

4.4 Other SRBA activities

➤ Presentation of work on hydrology report for the SRBA

The current status on the Hydrology report for SRBA was presented by Dr. Prohaska, the project leader (See the meeting document AD.4.4 Hidrologija-Izveštaj o statusu and the presentation AD.4.4 Hydrology report for the SRBA).

The key information on the project status were:

- The draft report will be finished until 15 January and delivered to the Secretariat,
- The final report shall be submitted after review of the new Ad hoc expert group on Hydrometeorology issues,

The PEG RBM took note on the information provided and acknowledged the work already done by the Consultant.

➤ Information on hydromorphology project status

Mr. Zeljko informed the PEG RBM on the project status on the "Preparation of the SRBA Report-hydromorphology part.

(See meeting document AD.4.4 LoI&REQUEST+FOR+QUOTATIONS-Hydromorphology_final-blank).

The key information on the project status were:

- the request for quotation was sent to 4 different companies from all the Parties and advertised on the ISRBC web page,
- The tenders will be opened on December 18, 2008 and it is expected that the contract will be signed before the end of the year,
- Expected duration of the project is two months,
- The workshop on hydromorphology issues in the Sava river basin will be organized in the second part of February. The draft project findings will be discussed and the conclusions of the workshop will be incorporated in the final report,
- The consultant is requested to take into account the issue paper on hydromorphology (see 3rd PEG RBM meeting documents),
- The members of PEG RBM are requested to assist to the consultant in the data collection,
- They are also requested to inform the Secretariat about the data on hydromorphology already submitted to the ICPDR as well as to inform the Secretariat regularly on the data to be send to the ICPDR in future.

The Group took note on the presented information.

4.4 Overview of the SRBA activities and further steps

This agenda issue represents a summary of the 2-days work. Mr. Zeljko again emphasised that the deadline for finalization of draft SRBA is March 31, 2009.

After discussion PEG RBM agreed on following actions:

- All currently missing data or revisions of already submitted data, for which the deadlines are not mentioned in previous text of this report, should be sent by the countries to the Secretariat until the end of the January at latest, in order to enable preparation of the report on time;
- For easier communication the data important for the preparation of the report will be posted on the ISRBC ftp site. The Secretariat shall provide the necessary information for access to the site for the PEG members.

AD. 5 Any other issue

There were no other issues.

The meeting is closed at 12: 00 on December 17.

The next PEG RBM meeting will be held on March 10-11, 2009 in Zagreb.

List of Annexes:

Annex I: List of participants

Annex II: List of Meeting documents and presentations

Annex I: LIST of PARTICIPANTS

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Annex II: List of meeting documents and presentations

Agenda item No:	Title	ENG	HRV	SLO	BIH-BOS	BIH-HRV	BIH-SRP	SRP
1.2	AD 1.2 PEG RBM10-Draft Agenda 15-12-08 (Ref.No.: 3-08-13/2-2-PEG.1)	↓						
2.	AD 2 PEG RBM9 Report_with_Annexes_Final	↓						
3.	AD.3 Presentation_ISRBC_PEG RBM 10	↓						
4.1.	AD.4.1 Sava RBA report_Part_I	↓						
4.2.	AD 4. 2.1 Sava_WQ_Draft_5.1	↓						
4.2.	AD.4.2.2 Water quantities	↓						
4.3	AD.4.3 PEG RBM 10MAPS_presentation		↓					
4.4	AD.4.4.1 Hidrologija-Izveštaj o statusu							↓
4.4.	AD.4.4.1 Hydrology report for the SRBA_presentation	↓						
4.4.	AD.4.4.2 LoI&REQUEST+FOR+QUOTATIONS-Hydromorphology_final-blank	↓						