



Ref. No.: 3-14-18/2-3
Zagreb, 20 October 2014

28th PEG RBM Meeting
draft REPORT
Zagreb, Croatia – 16-17 October 2014

Agenda of the meeting

1. Opening of the meeting

- 1.1. Welcome and opening remarks
- 1.2. Adoption of the Agenda

2. Overview of the ISRBC activities

- Report on ISRBC activities and developments since the 27th meeting ISRBC activities between the two PEG meetings

3. Sava RB – 2nd RBM cycle

- 3.1. 2nd Sava River Basin Analysis
 - Detailed review of the 1st draft of the 2nd Sava RBA report
 - Next steps
- 3.2. Other necessary actions in the 2nd RBM cycle

4. Projects

- 4.1. Overview of the ISRBC projects
- 4.2. Presentation of the other projects related to the Sava River Basin
 - 4.2.1. Sava Nexus
 - 4.2.2. GLOBAQUA

5. Other issues

- 5.1. Information on RBM activities in Montenegro

Minutes of the meeting

AD. 1. Opening of the meeting

AD. 1.1. Welcome and opening remarks

Chairman of the PEG RBM, Mr. Zeljko opened the meeting and welcomed the participants. He stated that representatives of all the Parties are represented at the meeting. The representative of Montenegro also attended the meeting.

The full list of participants is attached to this report as Annex I.

AD. 1.2. Adoption of the Agenda

The PEG RBM adopted the agenda of the 28th meeting (*Doc. Ref. No.: 3-14-18/2-1*).

AD. 2. Overview of the ISRBC activities

AD 2. 1. ISRBC activities between the two PEG meetings

Mr. Komatina, the Secretary, presented an overview of the activities and developments in the ISRBC between two PEG meetings. He emphasized the activities of the ISRBC in response to May 2014 flood, with organization of the ministerial meeting in June as the main event when some important joint actions were agreed. He also noted that the next meeting of the Parties, where the 1st SRBM Plan is to be endorsed, is scheduled for December 2, 2014 in Zagreb. More details can be found in his presentation "Presentation_ISRBC Activities_PEG RBM 28".

AD. 3. Sava RB – 2nd RBM cycle

AD. 3.1. 2nd Sava River Basin Analysis

Mr. Samo Grošelj gave an introductory presentation of the new version of the Sava RBA report,

The PEG RBM discussed on the draft Sava River Basin Analysis prepared generally on the basis on new data collected through the ICPDR Danubis system and during the preparation of the Sava RBM Plan (if newer than those from the 1st analysis).

Conclusions and actions agreed:

- General remarks:
 - The report should be titled as **2nd Sava River Basin Analysis**;
 - **It is reiterated that the report should follow the structure of the SRBMP to the most possible extent**;
 - Explanation of the purpose of the 2nd SRBA should be provided in introduction;
 - Water quantity issues should be included in the chapter on General characteristic of the basin;
 - A new chapter on integration should be introduced, with navigation and flood protection issues elaborated there;
 - It should be decided later which maps will be included in the 2nd SRBA Report, as well which data will be presented as figures directly in the text;
 - Data included in tables should follow *upstream to downstream* system, as provided in the SRBMP. Also, English punctuation should be used;
 - Acronyms should be checked;
 - General milestone for data delivery is end of October.
- General characteristics:
 - Remove 3-digits country codes;
 - Relief – a better representation needed;
 - Climate –combine the existing text with those provided in water quality chapter of the 1st analysis;
 - Land cover- use Corine 2006;
 - Soils – no data should be included;

- Text on main hydrographic features should be improved;
- PA: **PEG members shall compare the data from the Sava RBM Plan and those submitted to Danubis and inform the Secretariat are there any changes.** Thereafter a new text will be elaborated if the changes exist;
- Ecoregions: **Same as above.** There is need for balancing the text by the countries (i.e. B&H is not well elaborated). **For Montenegro – Mr. Blagojević shall check ecoregions and inform the Secretariat thereafter;**
- River types and reference conditions: No information in Danubis. **PEG members shall check the status and inform the Secretariat;**
- **WB - Slovenia delivered data, others shall send the information (B&H to send by e-mail not through Danubis).** For ME the same data as in the SRBMP;
- **Reservoirs: Include Krško; check the purpose for SI;**
- **GWB – Check the information provided in the SRBMP and deliver a new data to the Secretariat by the end of 2014;**
- Significant pressures: HR and SI have already delivered data of significant pressures to ICPDR. **RS will finish until end of October. BA will provide information a.s.a.p., if there are any new data.** ME will not have new data for this cycle. After data collection and analysis a textual status assessment should be provided.
- Diffuse pollution sources: No new MONERIS results available yet. Secretariat should contact ICPDR (Mr. Kovač) for new information on the issue;
- Accident pollution: There were no such events but a short description of the system and protocols in use should be described;
- FIPs - Use Danubis data+ text with elaboration of criteria;
- Length of impoundments: Check HR and add SI (Blanca. Krško);
- Invasive species: There is need for a status assessment, to see if the problem of invasive species is severe in the basin. The problem of monitoring should be also noted in the text. Mr. Paunović should be contacted in order to provide inputs for elaboration of this part of the text;
- **Monitoring systems: Deliver information on national monitoring systems by the end of November – all;**
- Other comments/remarks/proposals are included in the draft 2nd SRBA Report version 1.2

AD. 3.2. Other necessary actions in the 2nd RBM cycle

Conclusions and actions agreed:

- Development of SWMIs:
 - The Chapter on sediment will be developed by Secretariat taking into account BALSES;
 - The chapter on Climate change will be developed by Secretariat on the basis of WATCAP;
 - The first version of the SWMI paper should be prepared until the end of 2014.

AD. 4. Projects

AD.4.1. Overview of the ISRBC projects

Mr. Komatina, the Secretary of the ISRBC, provided an overview of FASRB-related projects in the field of water management. In his presentation he mentioned implemented projects as well as ongoing and upcoming projects.

Project	Status	Activities completed	Activities foreseen
Building the link between flood risk management planning and climate change assessment in the Sava river basin	Implemented	Initial flood vulnerability assessment Draft Program for preparation of the Sava FRM Plan Assessment of data and data sources for preparation of the Sava FRM Plan Development of climate projections	

Project	Status	Activities completed	Activities foreseen
		Preliminary identification and selection of possible adaptation measures	
Towards practical guidance for sustainable sediment management (SSM) using the Sava river basin as a showcase	Ongoing	Training Course Draft Guidance on SSM in the Sava river basin Draft Implementing Program for preparation of the Sava SM Plan Estimation of sediment balance Identification of monitoring and sampling gaps Proposal of sediment monitoring system	Application for further steps submitted to CEI
Water – Food – Energy – Ecosystems Nexus Assessment in the Sava River Basin	Ongoing	National ‘facilitators’ engaged Introductory workshop	Modelling and analyses in progress 2nd Workshop of the UNECE Nexus Task Force
Sava GIS establishment (Phase 1-core functionalities)	Ongoing		
Water and Climate Adaptation Plan for the Sava River Basin	Ongoing	Analysis of historic climate trends Climate and hydrological modelling Guidance notes Web consultation	Final workshop Training on use of HEC-HMS
Enhancement of stakeholder involvement in the management of the Sava river basin	Ongoing	Stakeholder Analysis Draft Public Participation Plan	Feasibility Study for establishment of Sava Water Partnership
Improvement of joint Flood Management actions in the Sava River Basin	Approved by WBIF	Meetings with national institutions	Development of ToR, Work Plan and Procurement Launch of tender procedure
The 2 nd phase of cooperation with USACE	Approved by EUCOM	ToR agreed	Visit of the USACE representatives
Strengthening public participation and stakeholder involvement in the Sava river basin	Upcoming	US Government Grant approved	Establishment of the Sava Water Council Fostering the awareness raising of young population in the Sava river basin

AD.4.2. Presentation of the other projects related to the Sava River Basin

AD 4.2.1 Sava Nexus

Mrs. Annukka Lipponen, UNECE, introduced the main objectives and status of the Sava nexus assessment. The project built on high demand in the countries for effective, practical solutions for alleviating negative impacts between sectors. The Sava River Basin has been chosen as one of the 6-8 basins to be assessed in cooperation with UNECE, KTH (the Consultant) the ISRBC and complementary modeling by JRC. The results of the assessment is supposed to be presented at the Sava MoP (December 2014). The content is to be reviewed and endorsed by the nexus Task force (April 2015) and finding will be presented at the 7th Session of the MoP to the Water Convention in November 2015).

Mr. Komatina stressed that the two critical moments exist: verification of inputs and outputs.

After the initial presentation and introductory remarks, Mr. Mark Howells, KTH, presented the activities and preliminary findings of the Sava nexus assessment.

The PEG RBM was not satisfied with the presentation of the project and the preliminary conclusions. They stressed that they were not able to provide any comments because no deliverables had been sent to the group before the meeting. Members also stressed that there were no consultations with the official institutions in the countries and also that no correlation between nexus and RBM planning is visible.

After the separate meeting with the UNECE the following recommendations were accepted:

- **Step 1:** Preparation of the „package“ and delivery to the ISRBC (end of Oct. 2014)
Content of the „package“:
 - Introductory document, outlining the status of work, challenges, needs, potential benefits
 - Proposal of scenario for the nexus assessment
 - Outline of the nexus assessment report (updated ?)
 - Example of maps to be produced for the report
 - Accompanying documents
- **Step 2:** Preparation of the draft assessment report (Dec. 2014)
- **Step 3:** Consultation of the draft assessment report
 - Consultation with national administrations (Jan. 2015)
 - Upgrading of the draft report (Feb. 2015)
 - Consultation on the ISRBC web-site (Mar. 2015)
 - Stakeholder workshop (Mar. – Apr. 2015)
- **Step 4:** Finalization of the assessment report – short version (Apr. – May 2015)
- **Remark:** The report will include the outcomes of the JRC work (available at that moment), as well
- It is expected that the report will be presented at the next meeting of the PEG RBM. The documentation should be sent to the group at least two weeks in advance.

Mr. Ad de Roo, EU JRC, provided an overview of the Sava River Basin Water-Agriculture-Energy-Ecosystem Nexus study.

He presented the following:

- Aim of the Danube Nexus project;
- Sava Water Nexus modelling with special attention to irrigation requirements, hydropower and other specific demands from Sava stakeholders;
- Calibration of the models
- Scenarios (Climate, Irrigation)
- Preliminary results (Effects on flood risks, water availability to power station, rain fed agriculture, groundwater resources, river low flows)

The PEG RBM thought that the project might be interesting for next cycles of development of the Sava RBM Plan.

Taking into account that JRC has a flexible timeline the group concluded:

- the PEG RBM will follow the activities of JRC;
- the Consultant will inform the PEG RBM at the future meetings;
- the Secretariat will send GIS data on Sava River, its tributaries and sub-basins to the Consultant.

AD 4.2.2 GLOBAQUA

The Consortium of GLOBAQUA project presented main planned activities of the 5-year project (2014-2019) which started in February 2014. The main aims of the project are:

- To identify the prevalence, interaction and linkages between stressors in multiple stressor situations, and to assess their effects in the chemical and ecological status
- To improve water management practice and policies by taking into consideration the influence of multiple stressors

The Sava RB has been chosen as one of the project study sites.

The main tasks within the Sava River case study are:

- investigation of the influence of multiple stressors on the water quality and quantity;
- evaluation of the impact of chemical pollution and other stressors on biodiversity;
- determination of the transport and impact of pollutants under extreme hydrological events (floods and droughts);
- study of the appearance and distribution of invasive species in the basin;
- dealing with assessment on ecosystem services and water- related socio-economic issues.

During the project 2 sampling campaigns at 9 sampling sites along the Sava River are foreseen, the first one was held in September 2014. Samples will include suspended particulate matters, water, sediment and biota. In addition 2 sampling campaigns at 2 sampling sites will be organized during the events (e.g. floods).

Special attention will be given to the valuation of the ecosystem services, integration of findings (policy development) and dissemination of project results amongst river basin managers (e.g. ISRBC) and WFD stakeholders.

After the discussion following conclusion has been accepted:

- PEG RBM expresses its preparedness to contribute to the project implementation
- The group doubts on the availability of some data which should be collected (e.g. economic data);
- It is proposed that the Consortium will inform the group on the project development at one of the next PEG meetings (29th or 30th). For that reason the project deliverables/reports should be sent at least two weeks before the meeting, while the PEG RBM will invite other experts to the meetings if necessary;
- It is proposed to establish link with the project and ISRBC's web page.

AD.5. Other issues

Mr. Blagojević, representative of Montenegro, briefed the PEG on the current activities related to RBM in Montenegro. He informed the PEG that Montenegro is discussing with the EC about possibilities for financial support in preparation of the national RBM Plan.

Next meetings of the PEG RBM will be organized in the second half of January 2015 and at the end of March 2015, tentatively. Exact dates will be determined later.

Annex I: LIST of PARTICIPANTS

Full Name	Country/Company/Organization	Tel/E-Mail
ISRBC Secretariat		
Dragan Zeljko	Secretariat of the Sava Commission	+ 385 1 488 6968 dzeljko@savacommission.org
Dejan Komatina	Secretariat of the Sava Commission	+ 385 1 4886960 dkomatina@savacommission.org
Samo Grošelj	Secretariat of the Sava Commission	+ 385 1 488 6967 sgroselj@savacommission.org
PEG RBM members		
Miodrag Milovanović	Republic of Serbia Institute “Jaroslav Černi”	+ 381 11 3906 462 Miodrag.milovanovic@jcerni.co.rs
Naida Anđelić	Bosnia and Herzegovina Sava River Watershed Agency, Sarajevo	+387 33 726 417 naida@voda.ba
Alan Cibilić	Republic of Croatia “Croatian Waters”	+ 385 1 6307 321 alan.cibilic@voda.hr
Aleš Bizjak	Republic of Slovenia Institute for waters of the Republic of Slovenia	+386 1 47 75 333 ales.bizjak@izvrs.si
Additional country experts		
Nenad Đukić	Bosnia and Herzegovina Ministry of Agriculture, Forestry and Water Management of Republic of Srpska	+387 51 338 411 n.dukic@mps.vodars.net
Observers & Guests		
Momčilo Blagojević	Ministry of Agriculture and Rural development, Water Management sector Montenegro	+382 68 068 890 Momcilo.blagojevic@mpr.gov.me
Annukka Lipponen	UNECE	Annukka.Lipponen@unece.org
Ad De Roo	European Commission, Joint Research Centre	ad.de-roo@jrc.ec.europa.eu
Peter Burek	EC, Joint Research Centre	peter.burek@jrc.ec.europa.eu
Mark Howells	KTH, The Royal Institute of Technology	mark.howells@energy.kth.se
Adrian Slob	TNO (NL)	Adriaan.slob@tno.nl
Damia Barcelo	CSIC, Barcelona, Spain	dbcqam@cid.csic.es
Joke Luttik	Altera Wageningen, NL	joke.luttik@wur.nl

Full Name	Country/Company/Organization	Tel/E-Mail
Ioannis Souliotis	Athena Research Center (GR)	xbg586@alumni.ku.dk
Radmila Milačić	Institute Jozef Stefan	Radmila.Milacic@ijs.si

Annex II: List of meeting documents (D) and presentations (P)

Agenda item No:	Title	Language	Type
1	Ad.1.2_PEG RBM28_Agenda	eng	D
2	Ad.2_Presentation_ISRBC Activities_PEG RBM 28	eng	P
3	Ad.3.1_Datasets Overview Latest update Sava GIS_9_10_14	eng	D
	Ad.3.1_Sava_River_Basin_Analysis_Report2014 draft 1.1	eng	D
4	Ad.4.1_Presentation_Projects_PEG RBM 28	eng	P
	Ad.4.2.1_Lipponen_Intro_to_the_Sava_nexus_assessment_final	eng	P
	Ad.4.2.1_Howells_Draft 1 Sava transboundary nexus insights	eng	P
	Ad.4.2.1_de Roo_JRC_2014_10_Sava_Zagreb	eng	P
	Ad.4.2.1_NEXUS_FIRST DRAFT - Configuration of Actors - Sava River Basin	eng	D
	Ad.4.2.1_NEXUS_Institutional Analysis - Sava - Step 2-3	eng	D
	Ad.4.2.1_NEXUS_Outline 2014_09_05_Sava_forDiscussion	eng	D
	Ad.4.2.1_NEXUS_Outline 2014_09_05_Sava_forDiscussion	eng	D
	Ad.4.2.2_GLOBAQA SAVA CASE STUDY Zagreb Meeting	eng	P
	Ad.4.2.2_GLOBAQUA Barcelo_presentation Sava Comission	eng	P
	Ad.4.2.2_GLOBAQUA Sav Commission 16-17 october 2014 Zagreb activities WP10 WP12 WP13 PKR-jl	srb	P
	Ad.4.2.2_GLOBAQUA_Meyer_Zagreb_17_10_2014-SM	eng	P
	Ad.4.2.2_The Sava River book announcement	eng	D
	Ad.4.2.2_GLOBAQUA short project presentation	eng	D
	Ad.4.2.2_GLOBAQUA excel Case Studies Socioeconomic Data	eng	D