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Zagreb, 01 July 2015*

**12th Ad hoc GIS EG Meeting
Report**
Zagreb, 01 July 2015

Table of Contents

I. ATTENDANCE	3
II. CHAIRMANSHIP	3
III. ADOPTED AGENDA	3
IV. MINUTES OF THE MEETING	4
AD 1. OPENING OF THE MEETING	4
<i>Welcome and opening remarks</i>	4
<i>Adoption of the Agenda</i>	4
AD 2. GENERAL OVERVIEW OF THE ISRBC ACTIVITIES	4
AD 4. 2ND SAVA RIVER BASIN ANALYSIS - GIS DATA COLLECTION	4
AD 5. FLOOD PROTECTION DATA COLLECTION	5
AD 6. OTHER ISSUES	5
ANNEX I: LIST OF PARTICIPANTS	6
ANNEX II: LIST OF DOCUMENTS	7
ANNEX III: SAVA HIS KICK-OFF MEETING MINUTES	8

I. ATTENDANCE

The meeting was attended by the Ad hoc GIS EG members from Slovenia, Croatia and Serbia. The meeting was also attended by the representatives of: ICPDR, the Sava GIS Consortium (IN2&IGEA) and the Secretariat of the Sava Commission. The list of participants is provided in Annex I of this report.

II. CHAIRMANSHIP

Mr. Dragan Zeljko chaired the meeting.

III. ADOPTED AGENDA

1. Opening of the meeting

- Welcome and opening remarks
- Adoption of the agenda

2. Overview of the ISRBC activities since the last EG meeting

- Presentation of activities and developments

3. Sava GIS development

- Overview of the current status-presentation and discussion
- 1st Sava GIS testing – presentation and discussion
- Next steps- updated work plan

4. 2nd Sava River Basin Analysis - GIS data collection

- Review of GIS data needs
- Discussion & conclusions

5. Flood protection data collection

- Review of GIS data needs &formats (PFRA & FH&FR maps)
- Discussion & conclusions

6. Other issues

IV. MINUTES OF THE MEETING

AD 1. OPENING OF THE MEETING

Welcome and opening remarks

Mr. Zeljko, Chairman of the Ah GIS EG, opened the meeting and welcomed the participants. He stated that only representatives of Bosnia and Herzegovina are not represented at the meeting.

Adoption of the Agenda

Ah GIS EG adopted the proposed agenda of the 12th Ah GIS EG meeting (Doc. Ref. No.: 3-15-10/2-2).

AD 2. GENERAL OVERVIEW OF THE ISRBC ACTIVITIES

The Secretary, Mr. Dejan Komatina, presented activities of the ISRBC since the last, 11th Ah GIS EG meeting. He informed the participants on the most important events, projects, activities and the status of protocols as well as on the upcoming meetings and events.

Details can be found in the presentation (*Ad.2_Presentation_ISRBC_Ah GIS EG 12*).

AD 3. SAVA GIS DEVELOPMENT

Mr. Dragan Zeljko informed the participants that the EC approved extension of the SavaGIS project implementing period for three months – till October 31, 2015

Mr. Stjepan Grđan, representative of the Consultant, gave an overview of 1st test iteration results. He noted that the feedback was received from all countries except Slovenia. The representative of Slovenia Mr. Primož Kogovšek asked for extension of the deadline until July 06, 2015 to complete the test and send results.

Details can be found in the presentation (*AD.3_SavaGIS development.ppt*).

After discussion the following was agreed:

- Admin module: the only super-admin, that adds other users is ISRBC;
- Metadata module should be corrected according to comments in test results;
- For the Geoportal, when changing the interface language, the map tree selection and map extent should remain the same. The function 'clear selection' should be added and the search window should have function of minimizing;
- Geoportal should be more visually attractive, with various free basemaps added as background;
- Ms. Dragana Ninković will send to Consultant the metadata xml file prepared according to the ICPDR schema. The Consultant will send the feedback after xml import;
- For the translation check and support, the translated xml files of interface translation can be send to the ISRBC and the SavaGIS CWG to check and verify the translation.

Regarding the next actions the following was agreed:

- 2nd test cycle will be held in period from August 24 up to September 09, 2015 tentatively;
- Final workshop on Sava GIS establishment will be held on the September 21, 2015;
- 12th Ah GIS EG meeting (Project meeting) will be held on September 22, 2015;

The first version of the Interim report has to be updated and delivered afterwards to the Secretariat for final review and approval.

AD 4. 2ND SAVA RIVER BASIN ANALYSIS - GIS DATA COLLECTION

Mr. Samo Grošelj gave a presentation of the new version of the 2nd SRBA report, and distributed the overview table which presents the status of data needed for preparation of the 2nd SRBA report. (which was discussed on the last PEG RBM meeting).

He emphasized that one of the PEG RBM meeting actions agreed was that the PEG RBM members should check with the Ah GIS EG information on possible changes of reported data after preparation of the 1st Plan, and update the data if there are any changes.

He also presented a detailed table on protected areas (PA) in the Sava River Basin and noted that those data should be carefully checked and the information on possible changes in comparison to the 1st Plan should be sent to the Secretariat.

- The Secretariat will distribute the PA table to the Ad hoc GIS EG

Details can be seen in documents (*AD.4_SRBA_Comments and remarks_for_PEG RBM29.doc and AD.4_Sava_River_Basin_Analysis_Report2014 draft 3.0.doc*).

AD 5. FLOOD PROTECTION DATA COLLECTION

Mr. Mirza Sarač informed Ah GIS EG on the activities regarding the Flood Risk Management module of the SavaGIS. He emphasized the efforts of the FRM database model expansion in relation to the requirements specified in the ToR, following the EU Flood Directive and next documents:

- Technical Support In Relation To The Implementation Of The Floods Directive (2007/60/EC) - A User Guide To The Floods Reporting Schemas v5.0;
- Flood Directive Reporting - user guide for electronic reporting v6.0;
- Support for reporting of Floods Directive – Guidance on reporting of spatial data v3.0;
- Danube river basin GIS templates v4.2;
- Parts of the ISRBC Flood data model.

Finally, the FRM database model is expanded with feature sets for the Preliminary Flood Risk Assessment and the Flood Protection Structures, as it was out of the ToR. He noted that the part of the model related to the FRM Plan is not included in the scope of services and will be considered for future database upgrades. FRM model is also adjusted in the Flood Vulnerability and the Flood Risk feature sets.

Afterwards, representatives of the Consultant gave an overview presentation of the FRM database model establishment.

It was emphasized that the FRM database model was not part of the 1st test, because of the mentioned adjustments and lack of the processed data, and concluded that the data contributors shall upload the data, according to data model in the system, before 2nd test cycle of SavaGIS.

Details can be found in the presentation (*AD5_FDR database model.ppt*).

After short discussion the following was agreed:

- The ISRBC Secretariat will upload the available data for the APSFR feature classes and tables which was prepared for the report of the Preliminary Flood Risk Assessment;
- The data contributors will upload the available and official data for other feature classes and tables, especially for the Flood Hazard and Risk as well as the Flood Protection Structures;
- The Consultant shall send the database model structure for FDR to the data contributors and ISRBC until August 1 – the fgdb model for data preparation.

AD 6. OTHER ISSUES

The kick-off meeting for the Sava Hydrological information System project (Sava HIS) was held immediately after the Ad hoc GIS EG meeting (The meeting minutes are in the Annex III).

No other issues have been discussed.

The next meeting was scheduled for September 22, 2015.

ANNEX I: LIST OF PARTICIPANTS

Full Name	Country/Company/Organization	Tel/Fax/E-Mail
Secretariat of the Sava Commission		
Dejan Komatina	Secretariat of the Sava Commission	+ 385 1 488 6961
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Ah GIS EG members		
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ANNEX II: LIST OF DOCUMENTS

Agenda item No:	Title	Language	Type
1	AD.1_Ah GIS EG_12th meeting_Agenda	Eng	.doc
2	AD.2_Presentation_ISRBC_Ah GIS EG 12	Eng	.ppt
3	AD.3_ SavaGIS development	Eng	.ppt
	AD.3_SavaGIS MM Minutes of the CWG meeting 20150616_draft2	Eng	.doc
4	AD.4_ SRBA_Comments and remarks_for_PEG RBM29	Eng	.doc
	AD.4_Sava_River_Basin_Analysis_Report2014 draft 3.0	Eng	.doc
5	AD.5_FDR database model	Eng	.ppt

ANNEX III: SAVA HIS KICK-OFF MEETING MINUTES

SAVA HIS MINUTES OF MEETING

Sava Hydrological Information System (Sava HIS)

Meeting theme: Sava HIS Kick-off meeting

Meeting convened by:	Samo Grošelj	Meeting date:	01.07.2015.
Meeting duration:	14:00 – 16:00	Meeting location:	ISRBC, “Branimir centar”, 2nd floor, Kneza Branimira 29, Zagreb
Meeting purpose:	Sava HIS Kick off meeting. Participants: Ad hoc HMI and GIS EG members, Consultant & ISRBC Secretariat		
Participants:			
Samo Grošelj, Sava Commission	Samir Čatović, RHMZ (via skype)	Stjepan Grđan, IGEA	
Dragan Zeljko, Sava Commission	Primož Kogovšek, ARSO	Hrvoje Matijević, IGEA	
Mirza Sarač, Sava Commission	Bojana Horvat, Hrvatske vode	Jarmila Pezo, IGEA	
Silvano Pecora, WMO (via skype)	Dragana Ninković, Jaroslav Černi		
Herman Böök, Finnish Meteorological Institute (via skype)	Zoran Major, ICPDR	Notice to persons:	

Meeting topics:

1.	Sava HIS background and goals
2.	Sava HIS project activities and expected deliverables
3.	Roles of and contributions from the stakeholders
4.	Work Plan

Minutes

Type	Description
1. Sava HIS background and goals	<ul style="list-style-type: none"> • Introduction: <ul style="list-style-type: none"> ○ The introduction was given by Mr. Samo Grošelj ○ Mr. Herman Böök gave the overview of FMI- Finnish Meteorological Institute project in Serbia and B&H for floods protection and management. The SavaHIS project is part of the component for improving the data exchange process for floods ○ Mr. Silvano Pecora gave the introduction of WMO activities and support in the standardization of data sharing activities. WIGOS is implemented and OGC WaterML 2.0 is supported by WMO • SavaHIS data exchange is based on Data policy document. The Annex 1 contains the list of measuring stations for data collection of SavaHIS. • The Consultant gave the presentation of the project objectives, scope and activities

Type	Description			
2. Sava HIS project activities and expected deliverables				
	<ul style="list-style-type: none"> • The presentation of project activities and deliverables was given by the Consultant • For the data exchange process the WMO protocols will be analysed (eg. SOS) • GeoNetwork for metadata management is WIGOS compliant service • There is a new type of metadata – observation metadata 			
3. Roles of and contributions from the stakeholders				
	<ul style="list-style-type: none"> • Every NHMZ sends data to WMO and sends to SavaHIS ftp currently • ISRBC can support NHMZs and give suggestions for data exchange, but it cannot have the role of central reporting point towards WMO, at this moment. • The list of measuring stations for data collection should be sent to Consultant • The measuring stations metadata specification from ICPDR should be sent to Consultant • The ISRBC shall send the available documentation in SavaHIS and the B&H hydro-meteorological data model 			
4. Work Plan				
	<ul style="list-style-type: none"> • The meetings with NHMZ stakeholders are planned: Serbia – RHMZ 08.07.2015. (Wed) Slovenia - ARSO 10.07.2015. (Fri) Croatia - DHMZ, Hrvatske vode 13.07.2015. (Mon) B&H - FHMZBiH, AVP Sava Sarajevo RHMZRS, Banja Luka 21.07.2015. (Tue) Montenegro - ZHMS 22.07.2015. (Wed) • The meeting dates are to be confirmed 			
A - Action	I - Information	C – Comment	O - Open	R – Recommendation
CO - Conclusion				