



Transboundary Cooperation on Hydrological and Meteorological Issues at the Sava River Basin Level

Samo Grošelj, Deputy Secretary

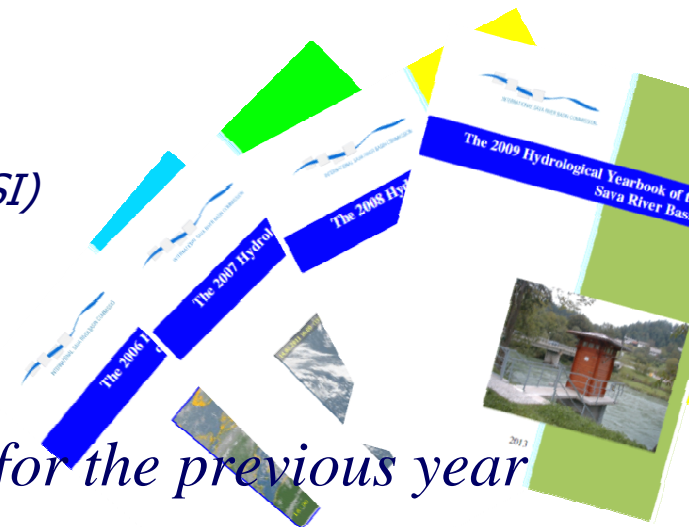
Content

- Preparation of the Hydrological Yearbook of the SRB
- System for exchange of meteorological and hydrological data
- Hydrological and meteorological information and flood forecasting and warning system for the SRB

Hydrological Yearbooks of the SRB

- Development of **Hydrological Yearbook**
 - HY2006, 2007, 2008, 2009 and 2010- available at ISRBC web page
 - HY 2006 first after 1986
 - Since HY2007 data from ME included
 - **HY 2011 under preparation**
- Data on **selected hydrological gauging stations:**
 - Daily water levels
 - Daily water discharges
 - Daily water temperatures
 - Daily suspended sediment discharge (*only HR and SI*)
- Data on **selected meteorological stations:**
 - Characteristical air temperatures and precipitations
 - Month precipitation

Challenge: *to ensure the availability of data for the previous year in the first successive year*



System for exchange of meteorological and hydrological data



- Establishment of **Hydrological and Meteorological Data Exchange System**

- Main objective:

- **to provide** the water users with **the access to a complete, basic information on the water regime** in the Sava river basin, at one place, (i.e. on the web page of the ISRBC)

- Outcomes:

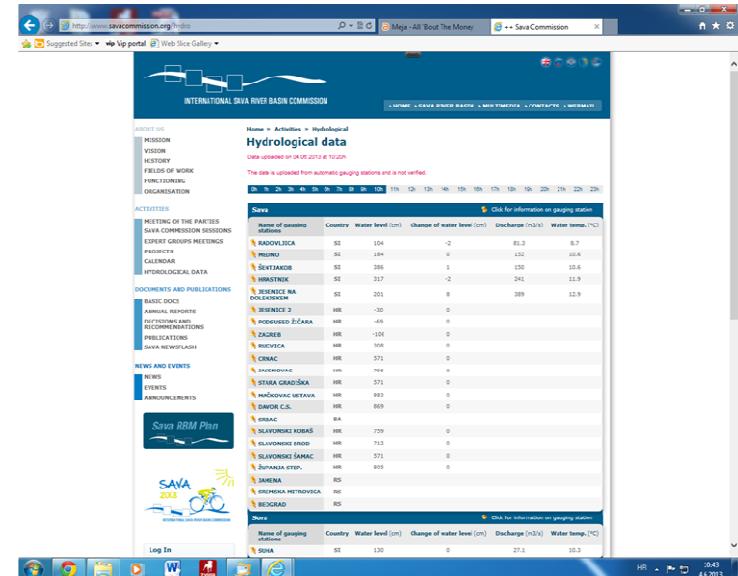
- Data automatically downloaded from multiple sources at certain intervals;
- The user could immediately see the necessary data on the screen;
- Some information (e.g. latitude and longitude) are available on click;

➤ Status:

Hydrological data: <http://www.savacommission.org/hydro/>

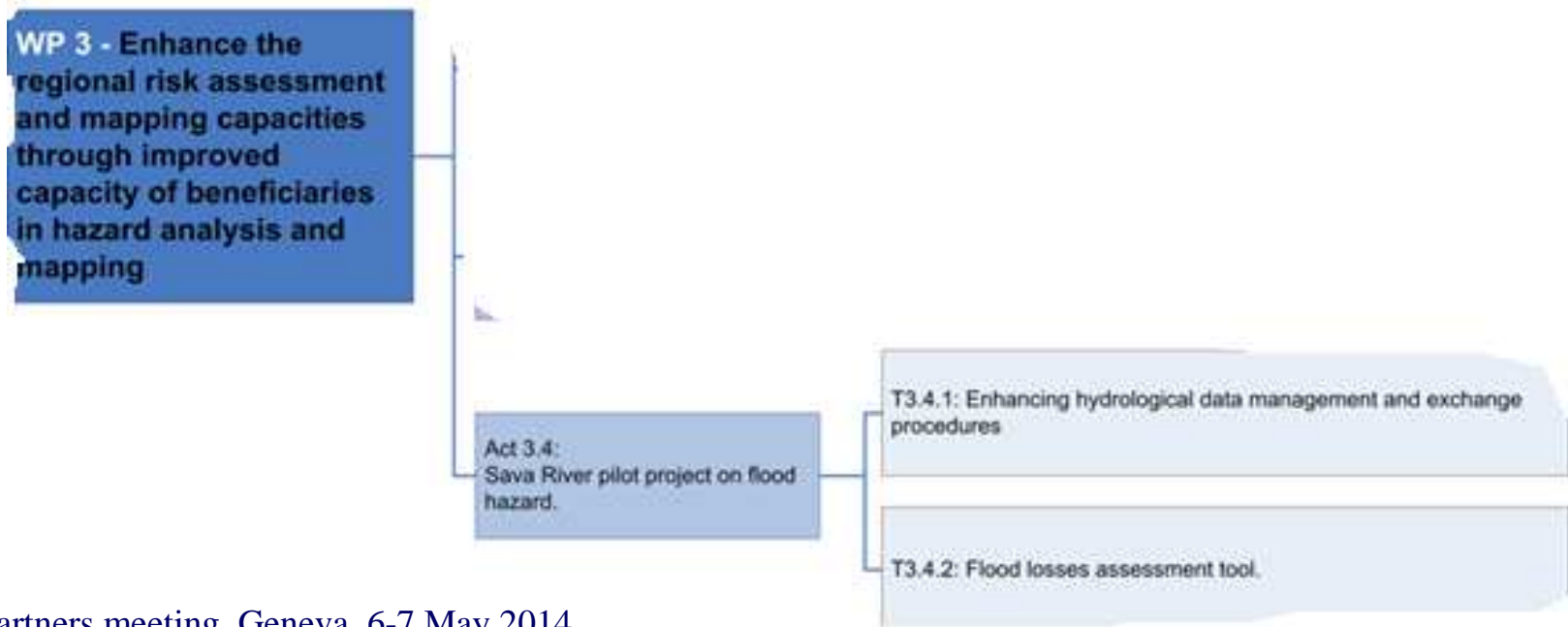
Meteorological data: <http://www.savacommission.org/index.php?hour=7&l=en&page=meteo> (**some open questions still to be resolved** e.g. average precipitations, average temperature

etc.) partners meeting, Geneva, 6-7 May 2014



Policy on exchange of data and information

- WMO Project “**Building Resilience to Disasters in Western Balkans and Turkey**”
 - **Overall Objective:** To reduce vulnerability of IPA Beneficiaries to natural disasters, in line with the Hyogo Framework for Action (HFA), and increase their resilience to climate change.
 - **Project purpose:** To enhance the capacity of IPA Beneficiaries to address disaster risk reduction in both today's and the future predicted climate.



Policy on exchange of data and information

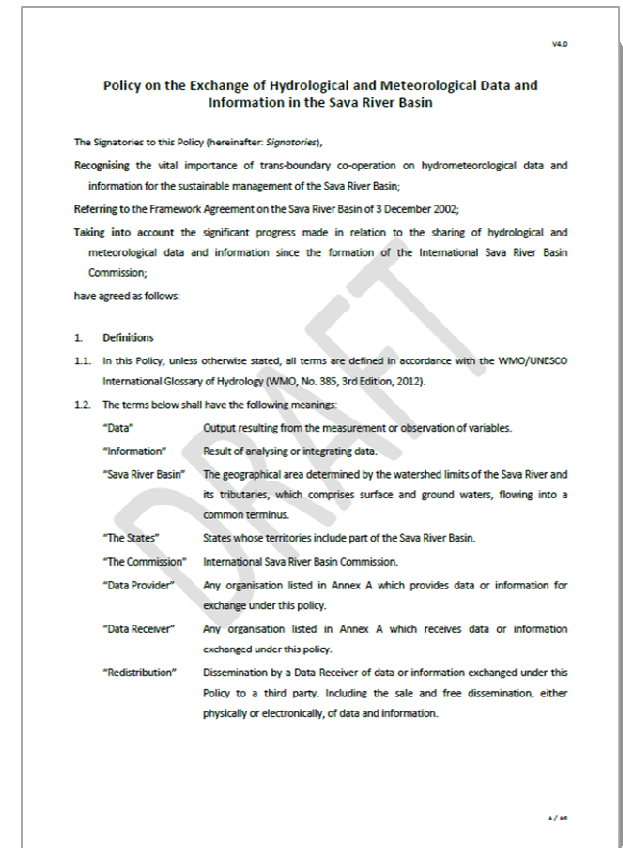
- Task 3: *Enhancement the regional risk assessment and mapping capacities*
 - Timetable on activities:

Event	Date
Kick off meeting of the Sava River Pilot Project Team within the WMO project	June 6-7, 2013
33rd Session of the ISRBC	October 9-10, 2013
9th meeting of AH HM Expert Group	December 17, 2013
Meeting of directors of the National Hydro Meteorological Services (NHMSs) of the Parties to the FASRB and the ISRBC Secretariat	February 11, 2014
34th Session of the ISRBC	February 18-19, 2014
Final meeting on “<i>Enhancing hydrological data management and exchange procedures</i>”	Banja Luka, 15-16 April 2014

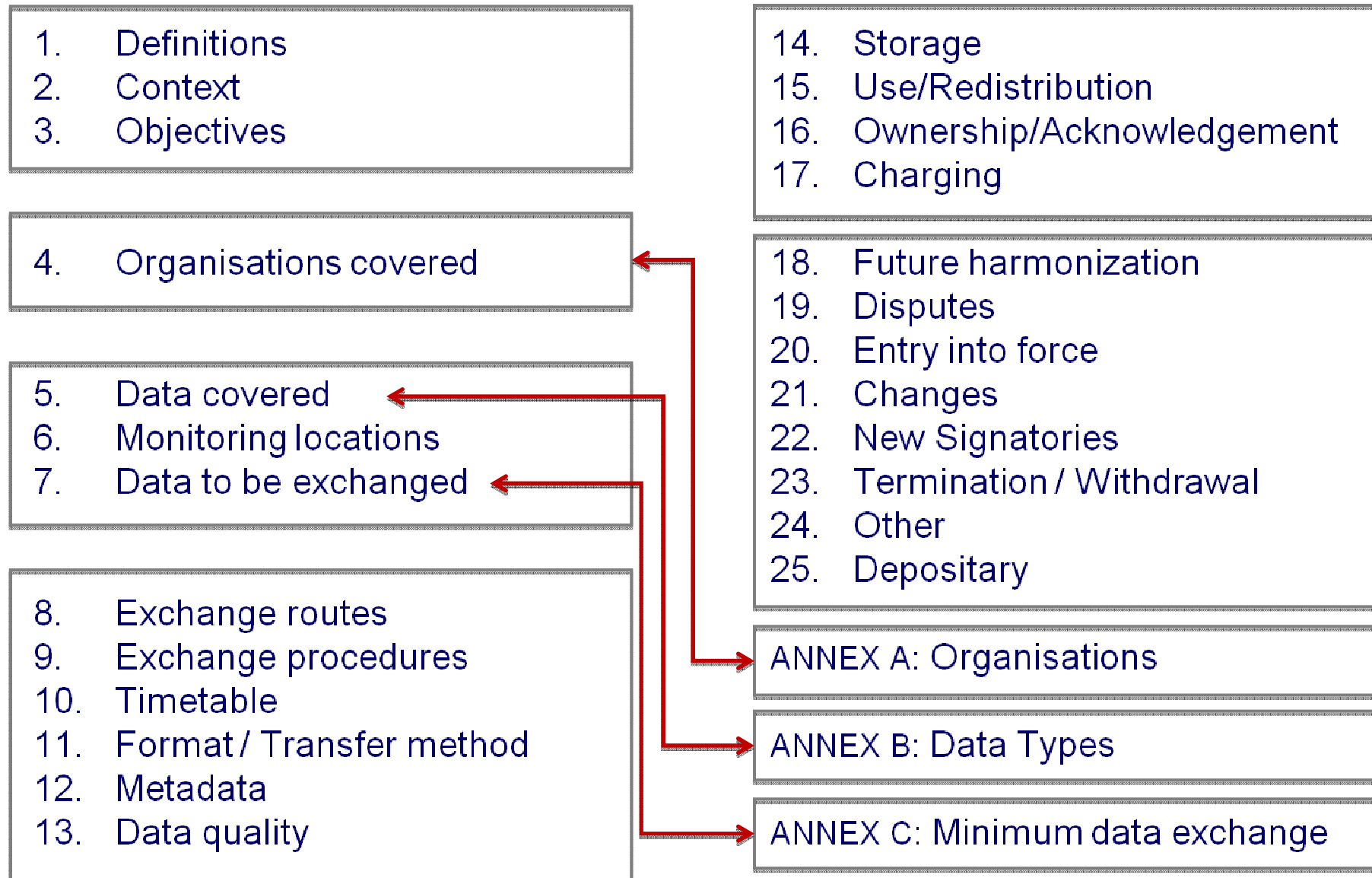
Regional partners meeting, Geneva, 6-7 May 2014

Policy on exchange of data and information

- Task 3: *Enhancement the regional risk assessment and mapping capacities*
 - Outcome: ***Draft Policy on the Exchange of Data and Information for the Management of the Sava River Basin***
 - Objectives of the Policy:
 - A framework for sharing any hydrological (or meteorological) data that Parties want to exchange under their own arrangements.
 - A minimum level of 'core' data exchange which will happen all the time
 - Proposed signatories:
 - National hydrometeorological Services
 - Water Agencies
 - etc. (e.g. hydropower companies)



Policy on exchange of data and information



Policy on exchange of data and information

- Task 3: *Enhancement the regional risk assessment and mapping capacities*
 - Banja Luka meeting:
 - Participation: all NHMSs (including ME), water agency Sarajevo
 - All NHMSs ready to sign the document
 - Conclusions:
 - The existing data exchange system will help the implementation of Data Policy!
 - New architecture of data exchange system was presented as a good tool for more effective development of the Data policy
 - Next steps:
 - Final comments on the draft – End of April
 - Water agencies will be contacted by mid May
 - HP companies – not in this phase
 - **Signing: June or September 2014, at latest**



Flood forecasting and Warning System for the SRB (HMIFFW)



- **Main objectives**
 - Establishment of common data-base;
 - Adaptation available meteorological, hydrological and hydraulic models in the common platform and their calibration;
 - Establishment of warning and management procedures,
- **Project Partners**
 - **National hydro-meteorological Services** from BA (both entities), HR, RS, ME
 - **Water Agencies** from BA (both entities), HR, RS, ME
 - **SI:** University of Ljubljana, Faculty of civil and geodetic engineering, Slovenian Environment Agency
 - **I:** ARPA ER- Regional Agency for Environmental Protection of Emilia-Romagna
 - **H:** Water Research Centre

Flood forecasting and Warning System for the SRB (HMIFFW)



Project status

- The issuance of the **Letter of Recommendation** within the EU Danube Strategy has been approved for the project.
- **The project idea** (Improvement of joint actions in Flood Management in the Sava River Basin) presented at:
 - meeting with HMS water directorates and agencies from BA, HR and RS held on November 12, 2013 in Belgrade;
 - 4th regional workshop Reviewing the Project Pipeline and Adapting to a Dynamic Environment held on November 14, 2013 in Tirana (AL).
- **The application** for the project "*Improvement of Joint Actions in Flood Management in the Sava River Basin*" was sent to the **Western Balkans Investment Framework (WBIF)** – Round 11 (March 2014)

Contact information

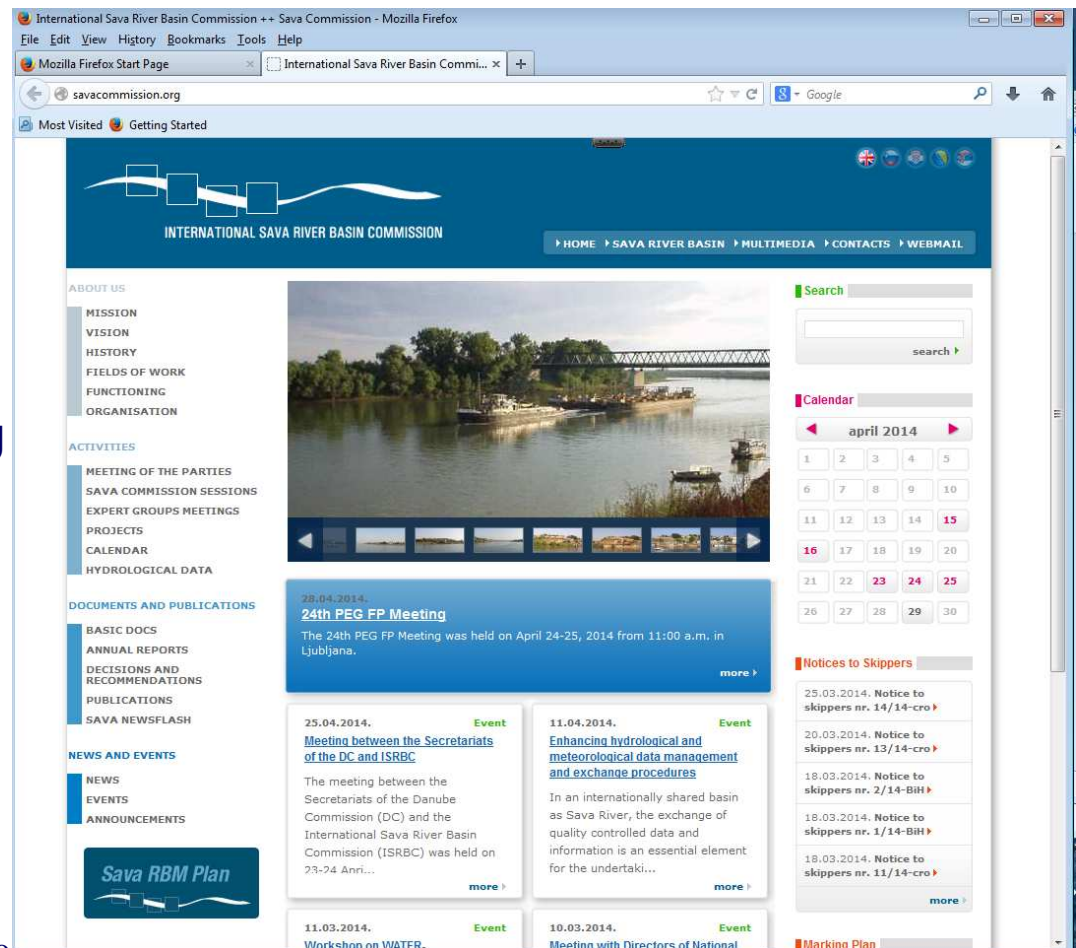
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www.savacommission.org



The screenshot shows the website interface with a navigation menu at the top: HOME, SAVA RIVER BASIN, MULTIMEDIA, CONTACTS, WEBMAIL. The main content area features a large image of a river with a bridge. Below the image is a news section with the following items:

- 28.04.2014. 24th PEG FP Meeting**
The 24th PEG FP Meeting was held on April 24-25, 2014 from 11:00 a.m. in Ljubljana. [more >](#)
- 25.04.2014. Meeting between the Secretariats of the DC and ISRBC**
The meeting between the Secretariats of the Danube Commission (DC) and the International Sava River Basin Commission (ISRBC) was held on 23-24 April... [more >](#)
- 11.04.2014. Enhancing hydrological and meteorological data management and exchange procedures**
In an internationally shared basin as Sava River, the exchange of quality controlled data and information is an essential element for the undertaki... [more >](#)
- 11.03.2014. Workshop on WATER.** [more >](#)
- 10.03.2014. Meeting with Directors of National** [more >](#)

On the right side, there is a search bar, a calendar for April 2014, and a 'Notices to Skippers' section with several entries, including '25.03.2014. Notice to skippers nr. 14/14-cro' and '20.03.2014. Notice to skippers nr. 13/14-cro'.

Regional partners meeting, Geneva, 6-7 May 2014