

Update on ongoing activities in relation to the PA4 Action Plan International Sava River Basin Commission

18th SG meeting,
EUSDR PA4 – Water Quality
Budapest (HU), November 4th, 2019

Samo Grošelj
Deputy Secretary, ISRBC

Meeting of the Parties

- **8th MOP held in Sarajevo (BA), October 24, 2019:**
- **Flood management**
 - Approved the Sava FRM Plan
 - Committed to making best efforts to implement the Summary of Measures
 - Committed to making additional efforts to ensure adequate resources for continuation of the activities in the next cycle of the flood risk management
 - Welcomed the establishment of the Sava FFWS as a mature and reliable platform for operational hydrological forecasting
- **River Basin Management**
 - Reconfirmed strong commitment to ensure adequate human and financial resources for the further development of the 2nd Sava RBM Plan
- **Accident Prevention and Control**
 - Reconfirmed the commitment to undertake final harmonization of the Protocol on Emergency Situations

Meeting of the Parties

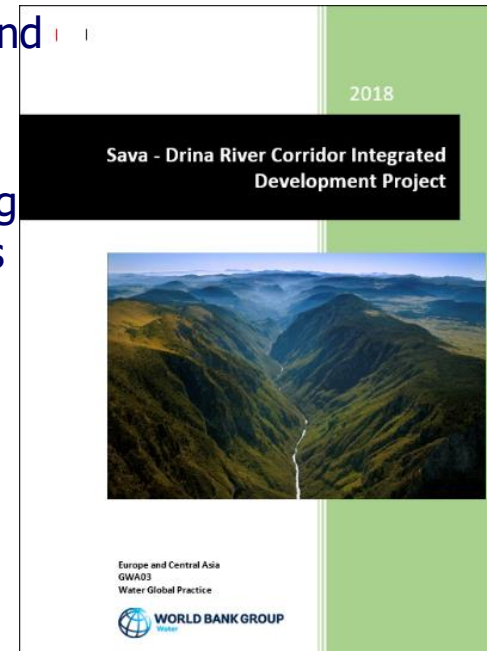
- **Cross-cutting issues**

- Encouraged SC and Parties to undertake further activities related to the CCA
- Committed undertake all activities necessary to secure the proper functioning and maintenance of the Sava GIS and Sava HIS
- Welcomed efforts of the SC in development of sustainable tourism
- Welcomed messages from the 8th Sava Youth Parliament



Development issues

- **Joint Plan of Action** (Bled, June 15 2017)
- **Sava - Drina River Corridor integrated development programme** (WB, 2019)
 - **Long term objective:** to foster regional cooperation and unlock productive investments
 - **Specific objectives:**
 - improve the protection of selected communities in SRB;
 - enhance the navigability of the river between the Belgrade and Sisak with priorities given to most critical sectors of the waterway;
 - improve flood forecasting and management capacities among riparian countries, and enhance management and operations of Drina cascade dams for hydropower production as well as flood and drought management;
 - enhance nature values and tourism along the river in SRB



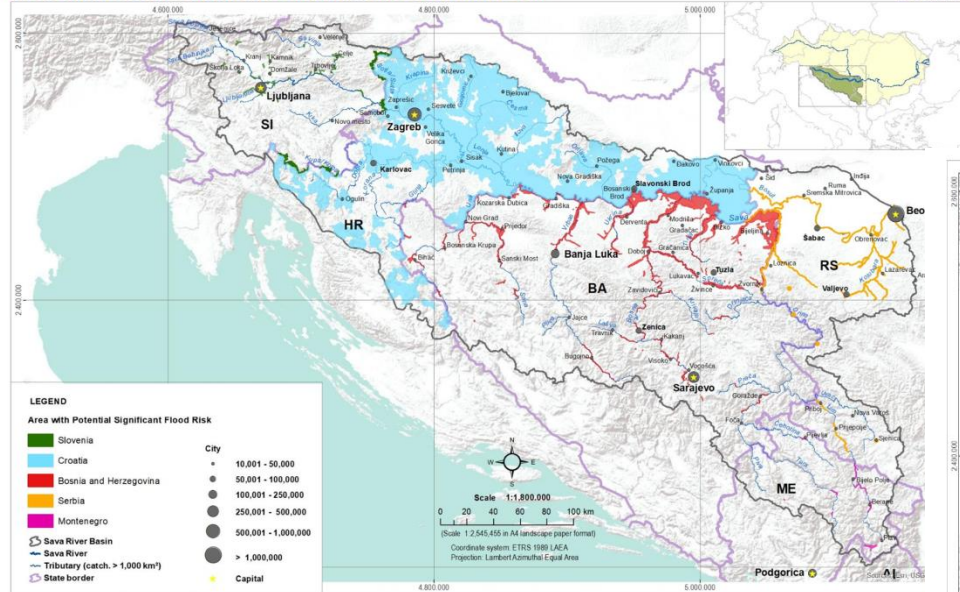
PA4: Sava RBM Plan

- **Sava 2nd RBM planning cycle** current status:
 - Activity on data gathering is ongoing
 - Project proposal on *Development of technical basis for international river basin management planning in the Sava River Basin: An innovative filling of gaps in transboundary water management* submitted to Norwegian/EEA Grant- **submitted on July 4, 2019**
 - LP: Environmental institute (SK)
 - PP: Institute for water (SI), Croatian Waters, Zagreb University of applied science (HR), Water Administration, Ministry for agriculture (ME), Institute for water management (Fed BA and BA RS), JRC (RS)
 - EP: NILU (NO), ISRBC, ICPDR (Int.), NORMAN (FR)
 - 2nd Sava River Basin Management Plan- application for WBIF under development
- **Sediment issues**
 - Template for *Information on planned dredging*- HR, RS and SI sent data for 2019

PA5: Flood management

- **Sava Flood Risk Management Plan (2017-2019)**
 - **Draft Sava FRMP** - endorsed by ISRBC on June 1, 2019
 - delivered to Parties and ME in english and local languages
 - approved at the 8th Meeting of the Parties on October 24, 2019

Areas with Potential Significant Flood Risk in the Sava River Basin

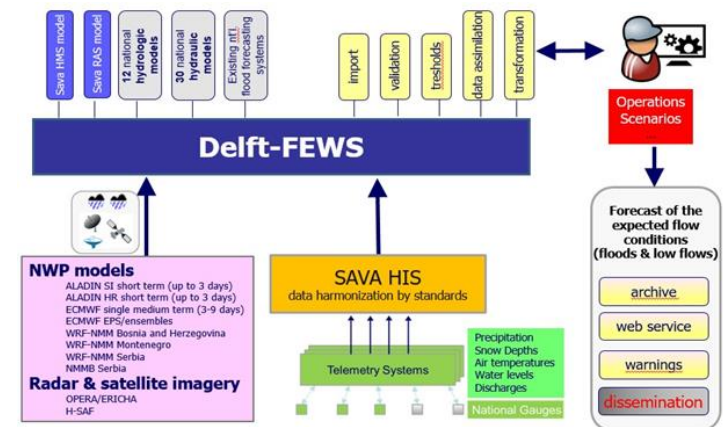
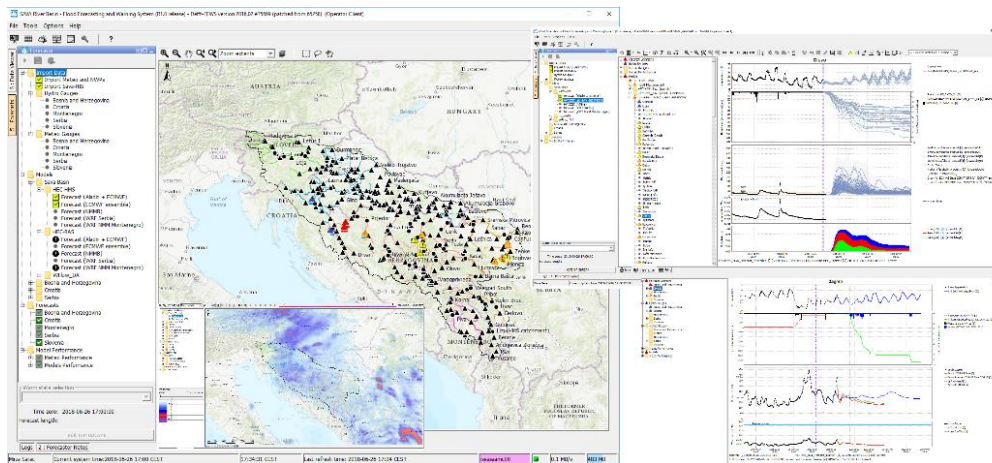


This product is based on national information provided by the Parties to the FAO/IBP (SI, HR, BA, RS) and ME. The borders between the countries used in preparation of FRMP for the SRS have not been finally determined. The content and maps of FRMP do not prejudice the determination or demarcation of the borders in any way. Project "Flood Risk Management Plan for the Sava River Basin" is funded with European Western Balkans Joint Fund (EWJF) Resources. Processed and compiled by Eptisa Servicios de Ingeniería, 2018



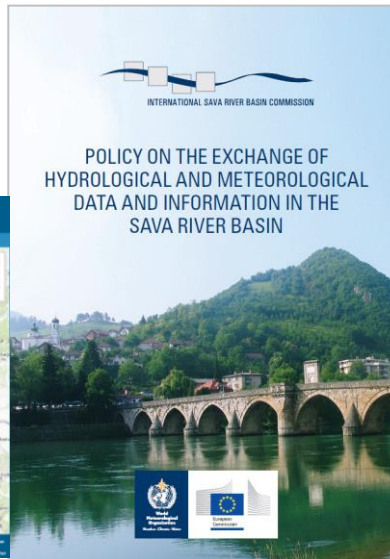
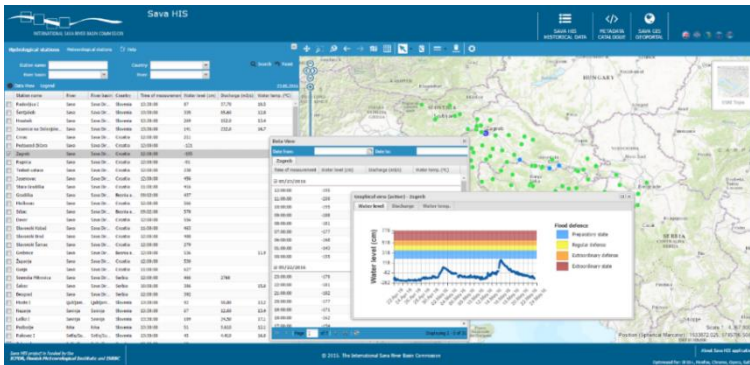
PA5: Flood management

- **Sava Flood Forecasting & Warning System (2016-2018)**
 - Sava FFWS is operational (since October 2018)
 - **MoU on cooperation** on regular functioning and maintenance of the Sava FFWS - endorsed by ISRBC on June 1, 2019, delivered to Parties and ME
 - Although the full maintenance is not covered, the system runs without problems



PA4, PA5: Data and information exchange

- **Sava GIS** (www.savagis.org) and **Sava HIS** - www.savahis.org
 - RBM, FRM and HMI related data available
 - Integration of module for navigation- ongoing
 - Integration of module for APC- planned
 - **Annexes** to the *Policy on the exchange of hydrological and meteorological data and information in the SRB* should be modified- new proposal prepared- to be confirmed on the meeting with directors of NHMS



Country	Data Provider	Hydro		Meteo	
		Data Policy	Sava HIS	Data Policy	Sava HIS
Bosnia and Herzegovina	FHMZFBiH	2	5 (5)	12	20 (20)
	AVPSAVA	21 (8)	68 (68)	-	10 (10)
	RHMZRS	11 (1)	31 (19)	16	17 (16)
Croatia	DHMZ	22 (13)	131 (126)	11	49 (42)
	ZHMS	2	11 (11)	3	5 (4)
Serbia	RHMZ	18 (13)	25 (20)	6	12 (10)
	ARSO	17 (13)	32 (29)	5	76 (76)
Slovenia	ARSO	17 (13)	32 (29)	5	76 (76)
5	7	93 (48)	303 (278)	53	195 (178)

3rd DTP call for proposals:

Water Contingency Management in the Sava River Basin – WACOM

- **Main objective**

- To develop operational framework for activation of Protocols on Emergency situations, Prevention of Pollution Caused by Navigation, Flood Protection

- **Expected results**

- reduced risks induced by the accidental pollution and floods of transnational dimension by strengthening the transnational and trans-sectorial cooperation among institutions, especially governmental institutions (*responsible for water and flood management and the civil protection*) managing the flood and accidental pollution preparedness and response stage

- **LP:** University of Ljubljana (SI)

- **PP:** Institutions for water management, navigation and civil protection from SRB



3rd DTP call for proposals:

- **Inter-sectoral approach with hydropower and navigation sectors for operative flood prevention measures in Sava River Basin – INAS**
 - To develop inter-sectoral approach for hydropower and navigation sectors with impacts to flood prevention in the Sava River Basin
- **Danube EcoTOURism – promoting environmental conservation and the use of natural and cultural heritage in the landscapes of the Danube region**
 - To strengthen interregional cooperation to pursue joint and integrated approaches for the preservation and management of natural and cultural heritages and resources in the Danube region, by using sustainable ecotourism as a tool to achieve sustainable economic development and growth

Not selected for 2nd step!



External projects

Projects	Acronim	Role of ISRBC
Assessing the water-food-energy-ecosystems nexus and benefits of transboundary water cooperation in the Drina River Basin	Drina Nexus	Observer
Programme for Prevention, Preparedness and Response to Floods in the Western Balkans and Turkey	IPA FLOODS	Observer
Improving Resilience to Emergencies through Advanced Cyber Technologies –(successor of FLODDIS II/EFFECT)	IREACT	Observer
Danube River Basin Enhanced Flood Forecasting Cooperation	DAREFFORT	ASP
Danube River Region Resilience Exchange network	DAREnet	Observer
Managing the effects of multiple stressors on aquatic ecosystems under water scarcity	GLOBAQUA	Observer
Sediment-quality Information, Monitoring and Assessment system	SIMONA	ASP
Sustainable Historic Environments hoListic reconstruction through Technological Enhancement and community based Resilience	SHELTER	PP
Drought Risk in the Danube Region	DRIDANUBE	Observer
Danube Sediment Management - Restoration of the Sediment Balance in the Danube River	DANUBE SEDIMENT	Observer
Framework for improving water balance and nutrient mitigation by applying small water retention measures	FramWat	ASP
Danube River Basin Hydromorphology	DYNA	ASP
Preserving Sava River Basin Habitats through Transnational Management of Invasive Alien Species	Sava TIES	ASP
Regenerating ecosystems with nature-based solutions for hydro-meteorological risk reduction	RECONNECT	Observer

SHELTER

- Sustainable Historic Environments hoListic reconstruction through Technological Enhancement and community based Resilience – **SHELTER approved under the EU Horizon 2020 (WP 2018-2020)**
- **Main objective:**
 - To establish cross-scale, multidimensional, data driven and community based operational knowledge framework for heritage-led and conservation-friendly resilience enhancement and sustainable reconstruction of historic areas to cope with climate change and natural hazards
- **Project Partners:**
 - Fundacion Tecnalia research & innovation (ES) - Lead Partner
 - United Nations Educational, Scientific and Cultural Organization – UNESCO (FR)
 - ISRBC
 - ... (24 in total)
- **Duration:** 48 months (01 Jun 2019 – 31 May 2023)
- **Open Lab 2: Sava River Basin** (SI, HR, BA, RS, ME and AL)
Type of hazard: Floods worsened by climate change (increase of intense precipitation)

Public participation

- **8th Sava Youth Parliament**

- Held in Sotla/Sutla River Basin (SI/HR), May 31 - June 1, 2019

- Theme:

- **Let's cooperate for water!**

- Participants:

- 2 secondary schools per Sava country,
- ICPDR (Peter Kovacs),
- Representative of Croatian Waters, FRISCO project, Kozjansko regional park
- Representative of 1st international conference of professors of geography



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Priority activities in FY 2019

- Signing of the MoU on cooperation concerning **regular functioning and maintenance** of the **Flood Forecasting and Warning System in the Sava River basin** - Operational functioning of the Sava FFWS
- Preparation of the new **Strategy on implementation of the FASRB**
- Continuation of development of the **2nd Sava RBMP**
- Further activities in navigation development
- Maintenance and upgrade of Sava GIS & HIS
- Sustainable development issues (tourism...)