



“A Regional Strategy for Sustainable Hydropower in the Western Balkans”

Final Technical Workshop

ISRBC and Sustainable Hydropower development related activities

Dragana Milovanović
Deputy Secretary, ISRBC

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Framework

- **Framework Agreement on the Sava River Basin (FASRB)**

- Signing FASRB: **2002**
- Entering of FASRB into force: **2004**
- Est. of ISRBC: **2005**

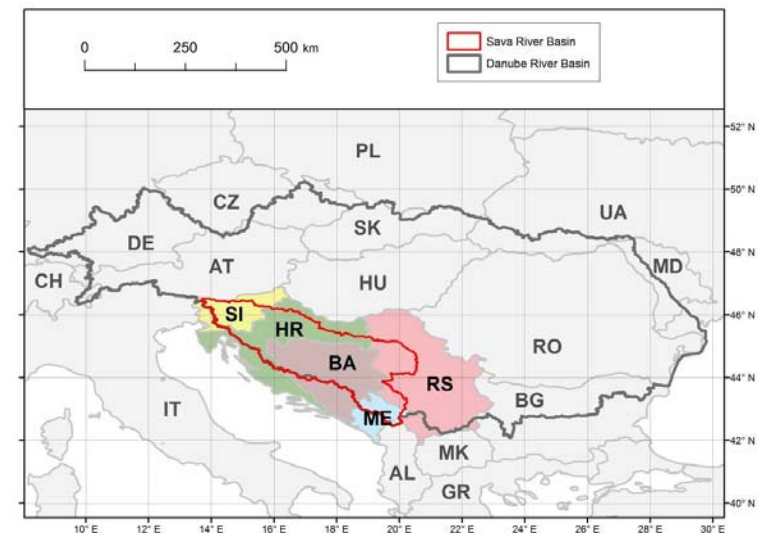
- **Particular objectives – to establish:**

- Sustainable **water management**
- Sustainable **hazard management** (floods, droughts, accidents, etc.)
- International regime of **navigation**

- **ISRBC**

4 member countries Slovenia, Croatia, Bosnia and Herzegovina and Serbia

Montenegro – cooperation in the fields covered by the FASRB on the basis of the Memorandum of understanding on cooperation between the ISRBC and Montenegro, signed on December 9, 2013



Background of cooperation

- **High environmental and socio-economic value**
 - Natural beauty, High landscape diversity, High biological diversity (natural wetlands, parks, protected areas), Large retention areas, Potential for transport of cargo and passengers, Potential for hydropower use etc.



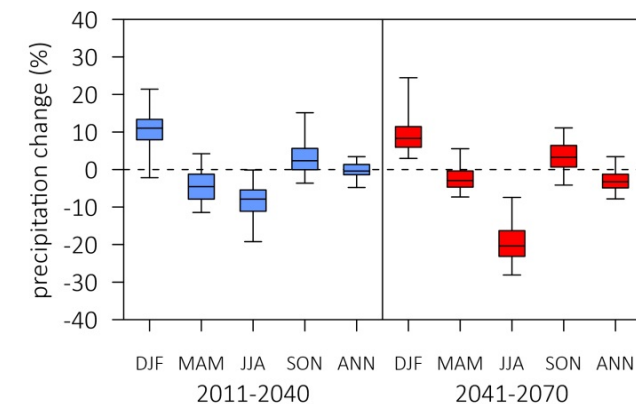
ISRBC contribution

- **Basic role: Coordination of activities on regional level**
 - **Strategic plans**
(river basin management, climate adaptation, flood risk management)
 - **Integrated systems**
(GIS, RIS, data exchange / forecasting / early warning systems)
 - Water-related **economic activities** (navigation, river tourism)
 - Development and upgrade of **policy**



Scope of cooperation

- Development of **joint / integrated plans** for the basin
 - **River Basin Management Plan** (according to EU WFD)
 - **Flood Risk Management Plan** (according to EU Flood Directive)
 - Other plans
 - **Water and Climate Adaptation Plan**
 - **Sediment Management Plan**
 - **Water Pollution Contingency Management Plan**
- Implementation at country level



A Regional Strategy for Sustainable Hydropower in the Western Balkans

- Principles for sustainable hydropower development in the Western Balkans
 - Implementation of EU Directives and International Conventions
 - ICPDR Guiding Principles on Sustainable Hydropower Development in the Danube Basin (2013), Hydropower Workshop in March 2017
 - Transboundary consideration – important in the SRB (Sava, Drina, Lim... multipurpose role of reservoirs – flood protection, environmental flow)
 - Including sustainability principles in hydropower planning
- Indicative list
 - Agreed list of proposed projects - Basis for countries to propose infrastructure projects in the 2nd SRBP

Sava RBM Planning and CCA Strategy

- **1st Sava RBMP – WFD (2014)**
- **2nd RBM planning cycle** in progress – current status
 - **2nd Sava River Basin Analysis**
 - ISRBC accepted 2nd SRBA at 46th Session, on 15th June 2017 (**HPP future infrastructure projects**)
 - **Significant Water Management Issues**
 - Includes an interim overview of implementation of measures
 - web-based consultation, final phase of approval
 - **Outline of the 2nd SRBMP – drafted**
- **Outline of CCA Strategy – drafted**

Flood protection

Protocol on flood protection to the FASRB

Flood risk management planning (FD)

Support - WBIF project:

Improvement of Joint Flood Management Actions in the Sava River Basin

Beneficiary countries: 19 institutions from 5 countries (BA, HR, ME, RS, SI)

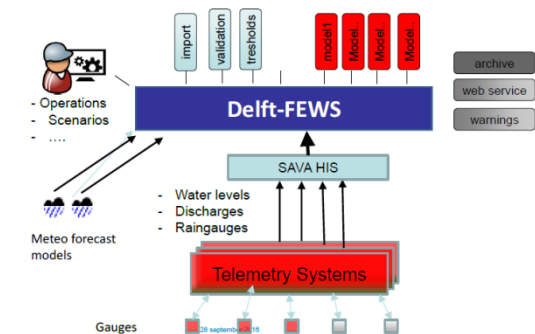
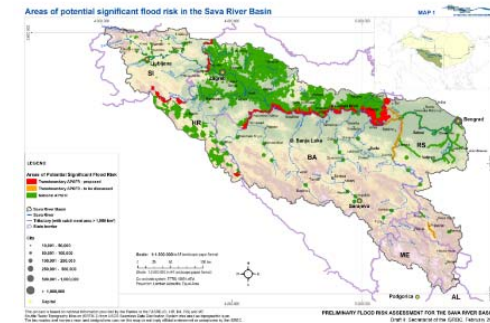
C1 - Flood Risk Management Plan for the Sava River Basin

- Implementation period: 2017-2018 (15 months)

C2 - Flood Forecasting and Warning System for the Sava River Basin

- Project formally launched on June 21, 2016
- A Consortium of technical experts is contracted, led by **Deltares**
- Implementation period: 2016-2018 (27 months)

- Existing reservoirs (multipurpose role)



Joint Plan of Actions for the Sava River Basin

- ✦ ISRBC considered and accepted the Joint Plan of Actions for the Sava River Basin as a milestone for integrated river basin management and socioeconomic development in the region (46th Session, Bled, 15th June 2017, prepared in cooperation with WB)
- ✦ The aim of the JPA SRB is to develop a framework that would enable close link between the overall improvement of environmental and socio-economic status of the SRB region that would go hand in hand with the implementation of measures of broader interest for all FASRB parties.
- ✦ In economic terms, the **use of hydropower in the SRB** is currently **one of the most significant water uses**. However, the 1st SRBMP also identifies it as one of the biggest pressures on the status of water, particularly from the viewpoint of hydromorphological alterations
- ✦ Since activities on **development of hydro potential are one of the most important development activities in the SRB**, results of the WBIF project **A Regional Strategy for Sustainable Hydropower in the Western Balkans** could be very important for the planning process in the SRB
- ✦ Integration of the SRB development projects in the 2nd Sava River Basin management plan

Thank you for your attention

International Sava River Basin Commission

Kneza Branimira 29

10000 Zagreb

Croatia

www.savacommission.org

