

International Sava River Basin Commission

- An example of EU/non EU country cooperation in water management**

Improvement and co-operation possibilities in the water sector with non-EU countries

Ulm, 29 October 2015

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Sava River Basin overview



The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the ISRBC

Data sources:
DEM data: The NASA Shuttle Radar Topographic Mission (SRTM)
processed by the CIAI-CGI (<http://srtm.csi.cgiar.org>),
USGS
CORINE land cover: EEA (<http://www.eea.europa.eu>)
Other data: ICPDR, ESRI, the Parties to the FASRB (SI, HR, BA, RS)

0 20 40 80 120 160
Km

1:2,000,000

Coordinate system: ETRS 1989
Projection: Lambert Azimuthal Equal Area

Sava River Basin overview map



- **Area:** 97 713 km² (the second largest Danube sub-basin; share: 12%)
- **Average flow** at mouth: 1722 m³/s (the largest Danube tributary; contribution: 25%)
- **River length:** 940 km (594 km of which is the waterway)
- **Population:** approx. 8.5 million

Background to cooperation

- **Challenges**
 - **Use of water resources:** development and protection
 - **Management of water resources:** national → transboundary
- **Legal framework**
 - **Framework Agreement** on the Sava River Basin (2002)
 - **Parties**
 - **Bosnia & Herzegovina**
 - **Croatia**
 - **Serbia** (formerly FR Yugoslavia, RS & ME)
 - **Slovenia**
- **Montenegro** – cooperation on technical level until their full membership



FASRB

- **Key objective:**

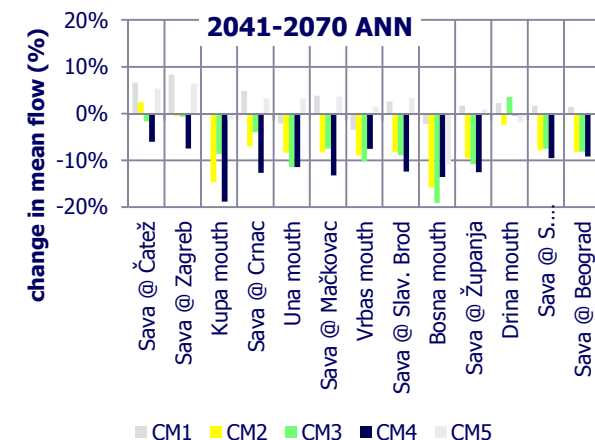
**Transboundary water cooperation
for sustainable development of the region**

- **Particular objectives – to establish:**
 - International regime of **navigation**
 - Sustainable **water management**
 - Sustainable **management of hazards** (floods, droughts, accidents, etc.)
- Implementation **coordinated by the ISRBC**



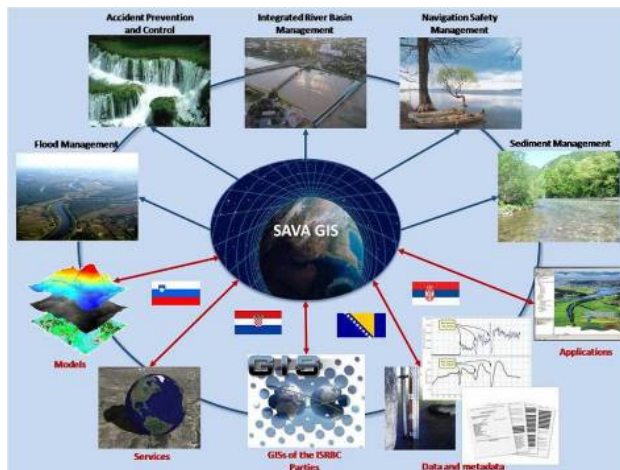
Scope of cooperation

- 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
 - **Sediment Management** Plan
 - **Water and Climate Adaptation** Plan



Scope of cooperation

- Establishment of **integrated systems** for the basin
 - Information** systems (GIS, RIS)
 - Data exchange** system (hydrological and meteorological)
 - Forecasting and early warning** systems (floods, accidents involving water pollution)



INTERNATIONAL SAVA RIVER BASIN COMMISSION
Mudvarsko kampa za sva reka

Activities → Hydrological stations with daily observation
Hydrological stations with daily observation
Table: 7 December 2015, 16:00

Basic and Hydrographical

River	Hydrological Station	Water level (cm)	Water level change (cm)	Water level (cm)	Discharge (m³/s)	Depth of discharge (cm)	Temp. (°C)
Slavutka	Slavutka	110	110	-	400	10	0.2
Slavutka	Slavutka	110	110	-	2127	6	0.7
Slavutka	Slavutka	110	110	-	24	-	0.0
Slavutka	Slavutka	110	110	-	400	-	0.2
Slavutka	Slavutka	110	110	-	2127	-	0.7
Slavutka	Slavutka	110	110	-	24	10	0.0
Slavutka	Slavutka	110	110	104	400	6	0.2
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Croatia

River	Hydrological Station	Water level (cm)	Water level change (cm)	Water level (cm)	Discharge (m³/s)	Depth of discharge (cm)	Temp. (°C)
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Slovenia

River	Hydrological Station	Water level (cm)	Water level change (cm)	Water level (cm)	Discharge (m³/s)	Depth of discharge (cm)	Temp. (°C)
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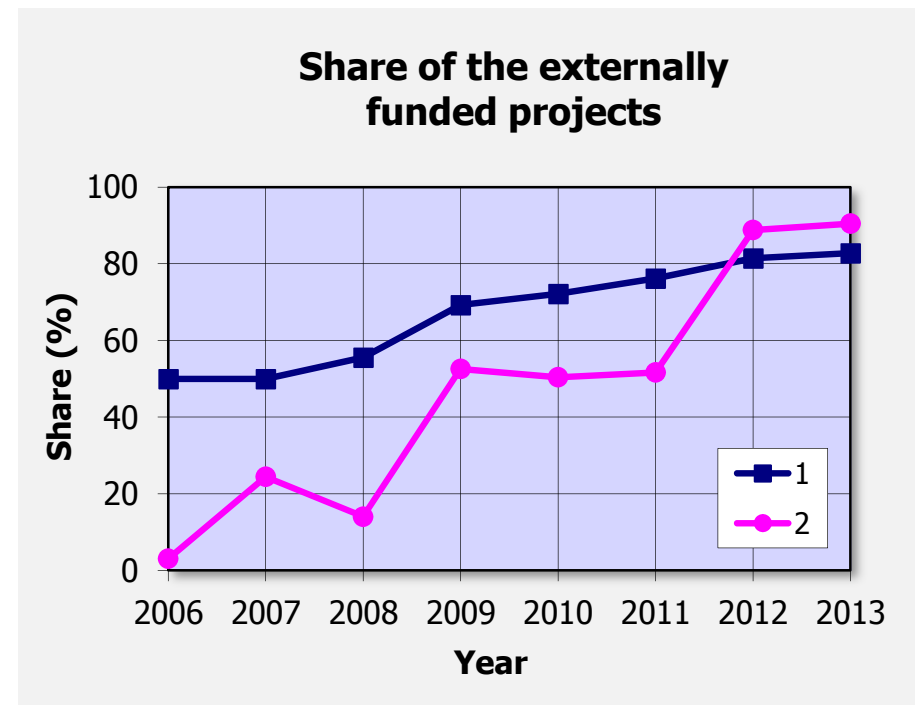
Scope of cooperation

- Development of water-related **economic activities** in the basin
(Navigation, River tourism, Hydropower use, Agriculture)
- Harmonization of **regulation** (national → EU)
- Creation of additional **protocols to the FASRB**



Projects

- **Agreed** by all countries
- **Direct** benefits
 - **Preparation and/or implementation** of projects
 - **Raising funds** from external sources (~ 90%)
- **Indirect** benefits
 - **Facilitation of fund-raising** for the countries
 - **Lower costs** for the countries in case of joint ventures



1 – Share in terms of the projects' **number**
2 – Share in terms of the projects' **budget**

Links to national and international institutions

- Institutions **officially nominated by the governments**
 - **Ministries** relevant for water resources management
 - **Ministries** relevant for environmental protection
 - **Ministries** for transport
- **Water agencies**
- National **hydrometeorological services**
- **International organizations**
(e.g. ICPDR, UNECE, UNESCO, WMO, US Government, EU institutions)

Stakeholders

- **Wide range** horizontally, **all sectors** of society
- **Inter-sectoral coordination** – an important task of ISRBC

Activity / Field of work	Protection of waters	Flood Management	Navigation	Hydropower	Agriculture	Tourism	Climate
River Basin Management Plan	+	+	+	+	+		+
Water and Climate Adaptation Plan		+	+	+	+		+
Integrated Information System	+	+	+	+	+		
Navigation	+		+	+		+	
River Tourism	+	+	+	+		+	

Benefits

- Improved **cooperation** / Increased **level of mutual trust** among the countries
- Implementation of **projects of common interest**
- Harmonization of **regulation, methodologies** and **procedures**
- Enhancement of **cross-sectoral cooperation on national level**



Conclusions

- **FASRB provides a good basis** for the progress towards the achievement of the key objective – **sustainable development of the Sava river basin**
- **High demand for resources and permanent joint efforts** of the Parties
- **Considerable benefit** for the Parties

Contact information

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4th Annual Forum_PA4, 29 October 2015