INTERNATIONAL SAVA RIVER BASIN COMMISSION

JOINT MEETING OF THE INSPECTION BODIES

Navigation on the Sava River: Activities of the International Sava River Basin Commission

Dragan Zeljko
Executive Secretary of the Sava Commission

INTERNATIONAL SAVA RIVER BASIN COMMISSION

Framework Agreement on the Sava River Basin (2004)

- **Main objective:**

Sustainable development of the region through cross-border cooperation

- **Specific goals:**

Establishment of an **international** regime of **navigation** on the Sava River and its navigable tributaries

Establishment of sustainable water management

Hazards management (floods, droughts, accidental pollutions)

Protocols to the Framework Agreement

- Protocol on the Navigation Regime (2004)
- Protocol on Prevention of Water Pollution Caused by Navigation (2017)
- Protocol on Flood Protection (2015)
- Protocol on Sediment Management (2017)

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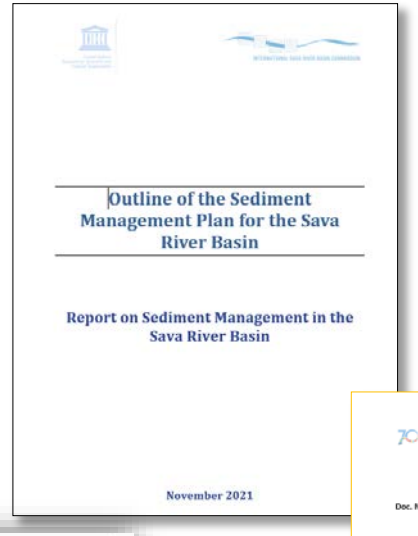
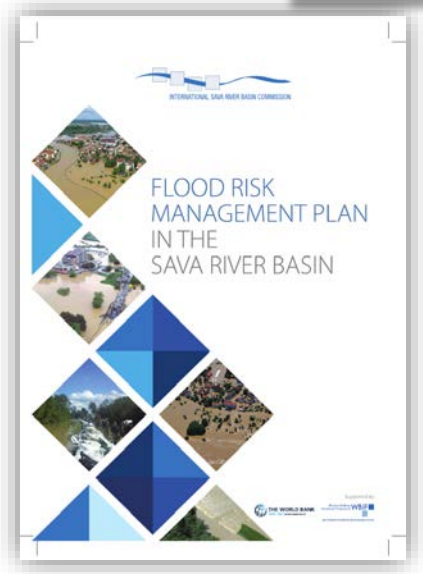
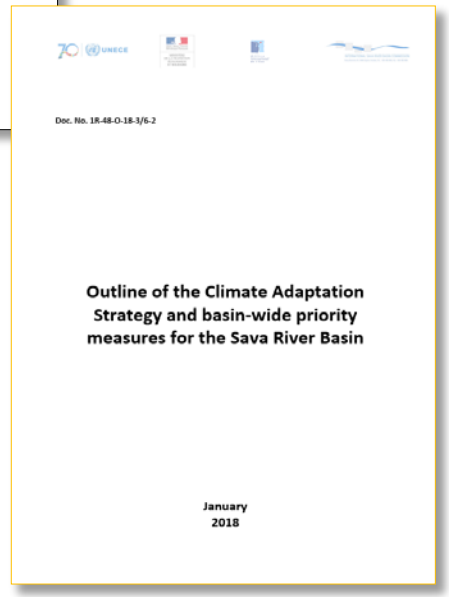
Sava Commission – Water Management

- Sava River Basin Management Plan (2014, 2022)
- Outline on the Strategy for Climate Change Adaptation (2018)
- Sava Flood Risk Management Plan (2019)
- Outline on Sediment Management Plan in the Sava River Basin (2022)







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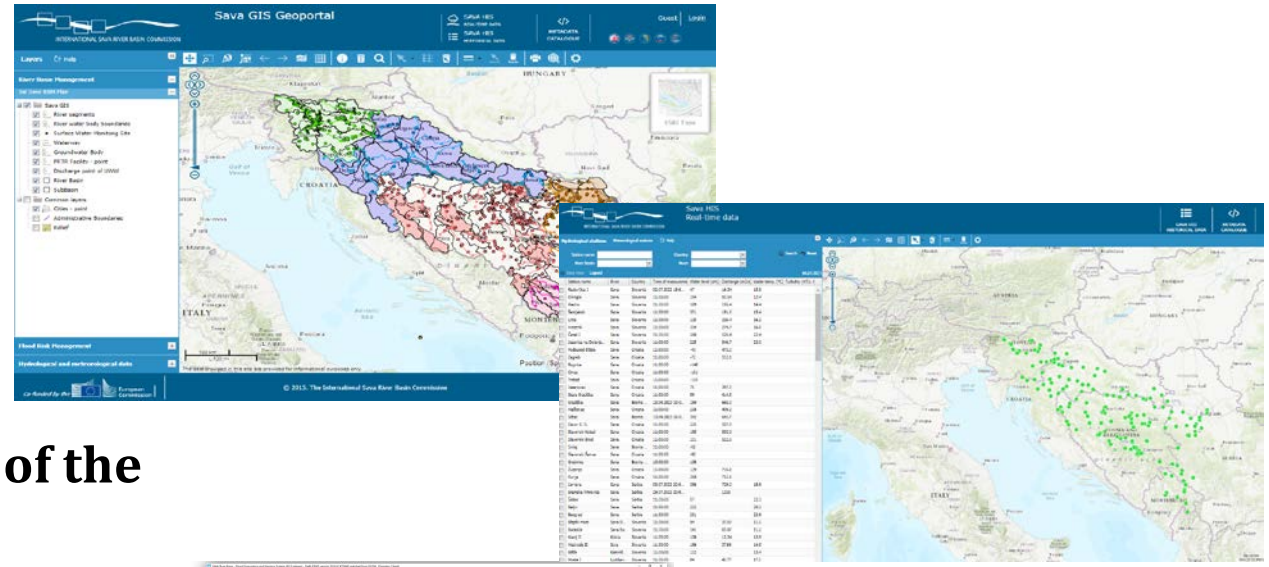
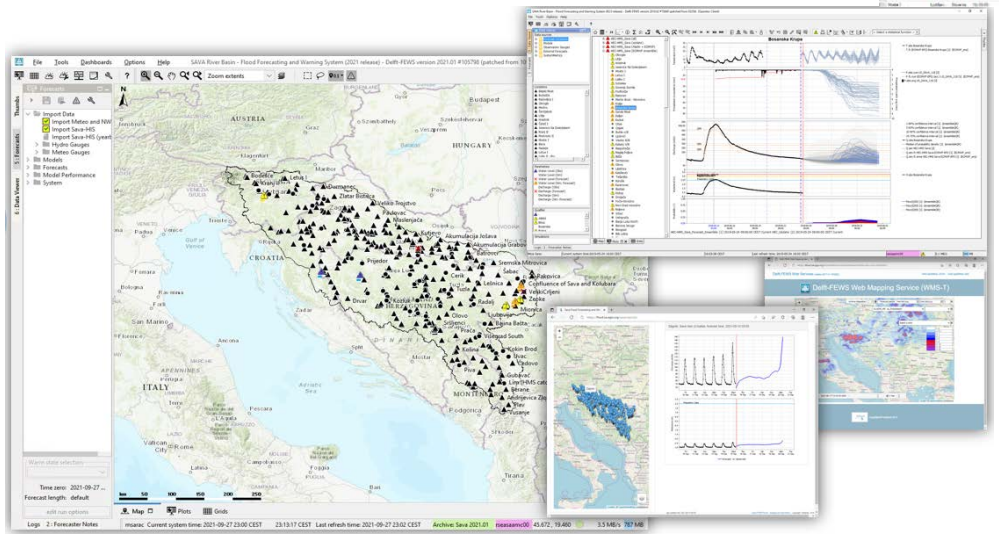
Sava Commission – Data and Information Exchange

- **Sava Geoportal** www.savagis.org
- **Sava HIS** www.savahis.org



- **Flood Forecasting and Warning System of the Sava River Basin - Sava FFWS (2018)**



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Sava Commission - Navigation

Design and Study Documents

- Pre-Feasibility Study for Rehabilitation and Development of the Sava River Waterway (2007);
- Feasibility Study and Project Documentation for the Rehabilitation and Development of Transport and Navigation on the Sava River Waterway (2008);
- Detailed Design and Prototype Installation for the River Information System on the Sava River (2010);

Adoption of various decisions & recommendations

- Navigation rules in the Sava River Basin;
- Classification of Waterway in the Sava River Basin
- Rules for waterway marking in the Sava River Basin;
- Rules for definition of winter ports and winter shelters on the Sava River Basin;
- Rules on Minimum Manning Requirements for the Vessels on the Sava River Basin ;
- Rules for the Transport of Dangerous Goods in the Sava River Basin;
- Rules on Minimum Requirements for the Issuance of Boatmaster's Licenses on the Sava River Basin;
- Recommendation for Recreational Navigation on the SLO & CRO Joint Section of the Kupa River.

Web Applications Development

- For the preparation of the Waterway Marking Plan;
- **For support to inspection services in inland navigation;**
- **Navigation Module within the Sava GIS.**

Various publications

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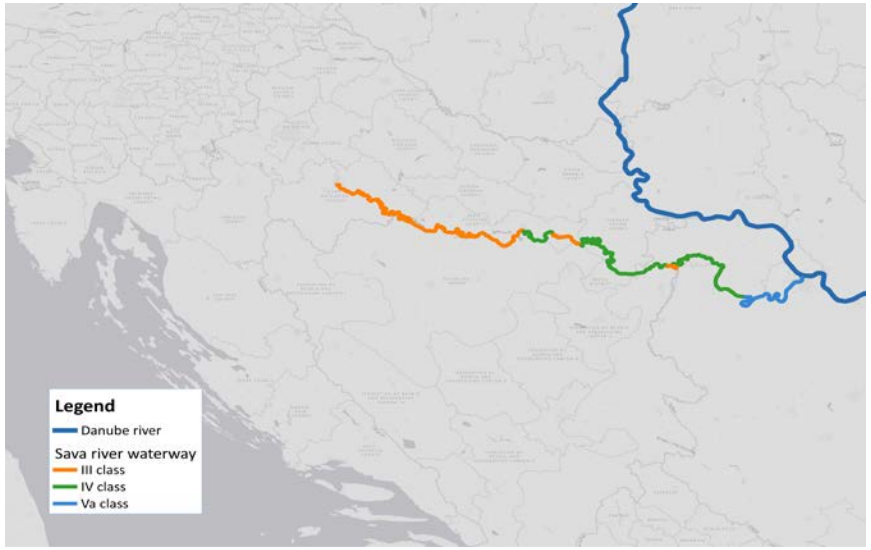
Navigation on the Sava – Waterway Clasification & Conditions

Section of the Sava River			
downstream (rkm)	upstream (rkm)	Length (km)	Waterway Class
0.0 Sava mouth	81.0 Kamičak	81	Va
81.0 Kamičak	176.0 Rača	95	IV
176.0 Rača	196.0 Domuskela	20	III
196.0 Domuskela	313.7 Slavonski Šamac	117.7	IV
313.7 Slavonski Šamac	338.2 Oprisavci	24.5	III
338.2 Oprisavci	371.2 Slavonski Brod	33	IV
371.2 Slavonski Brod	594.0 Sisak	222.8	III



- Sava - international waterway should be at least of the waterway class IV (and class Va at the sectors where feasible)
- Some sections are classified as Class III - below standards for international navigation
- In total 24 critical sectors on the Sava River waterway (~77 out of 594 km)
- **Current activities on Improvement of navigability conditions (Jaruge – Novi Grad, Confluence of Sava & Drina)**

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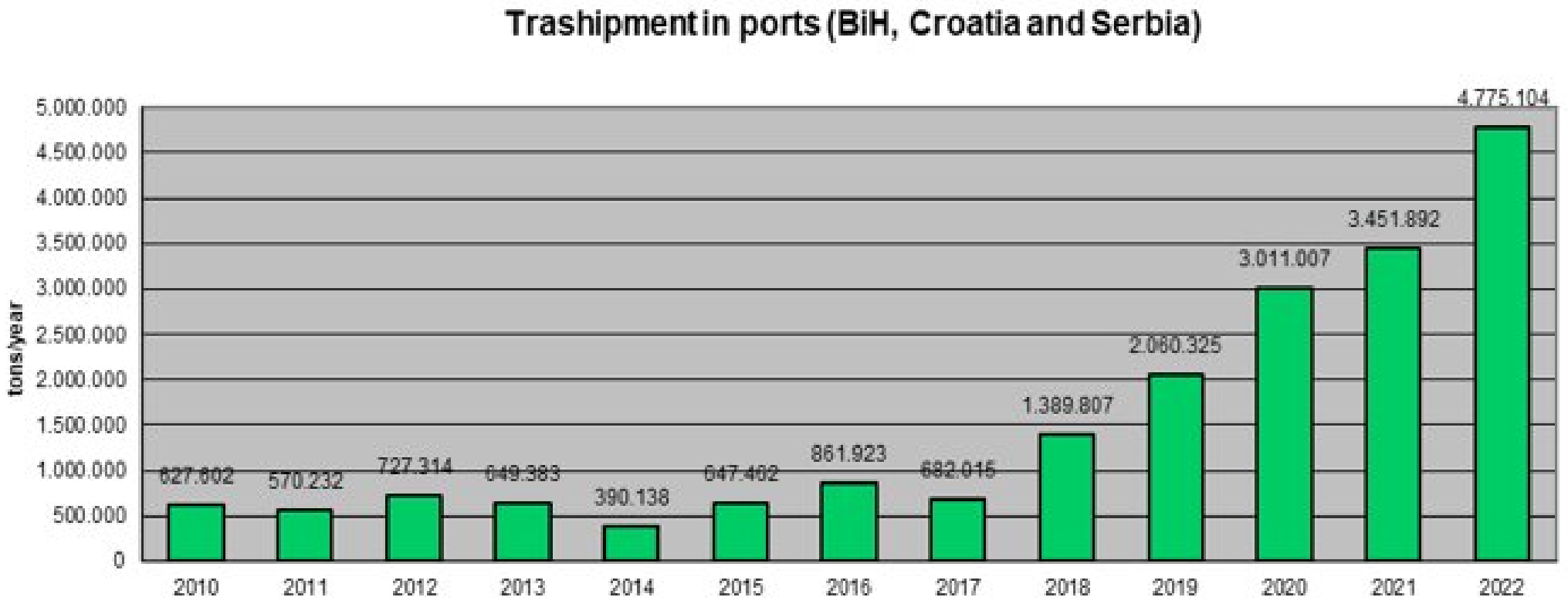
Navigation on the Sava - Cargo traffic in the ports on the Sava River

- **Increased traffic –** mostly due to transhipment in the ports at the downstream section of the Sava in Serbia – waterway class Va



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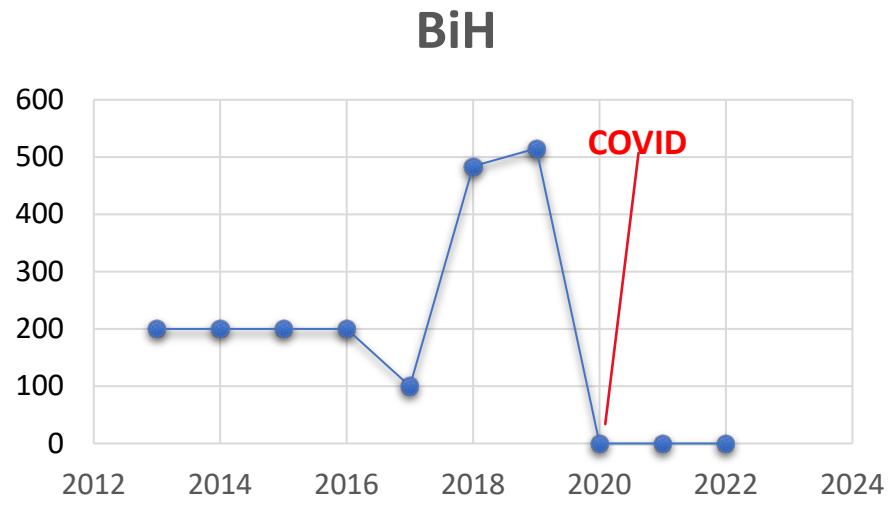
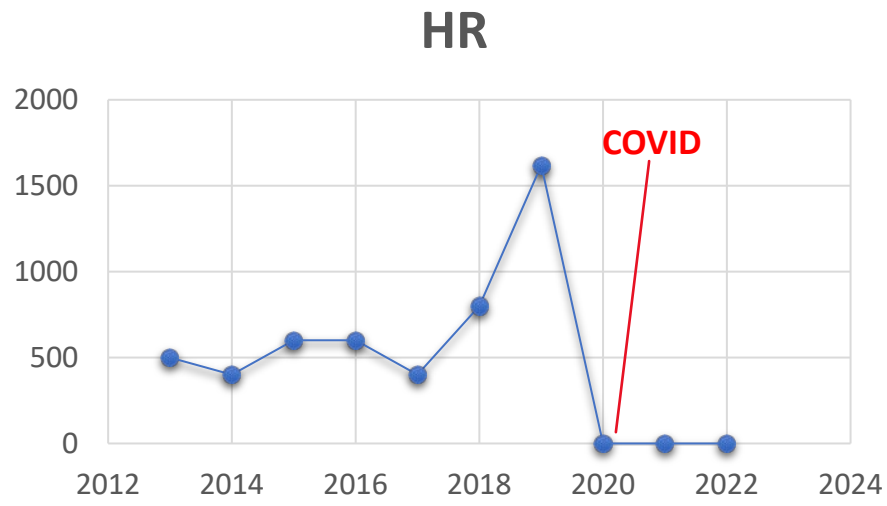
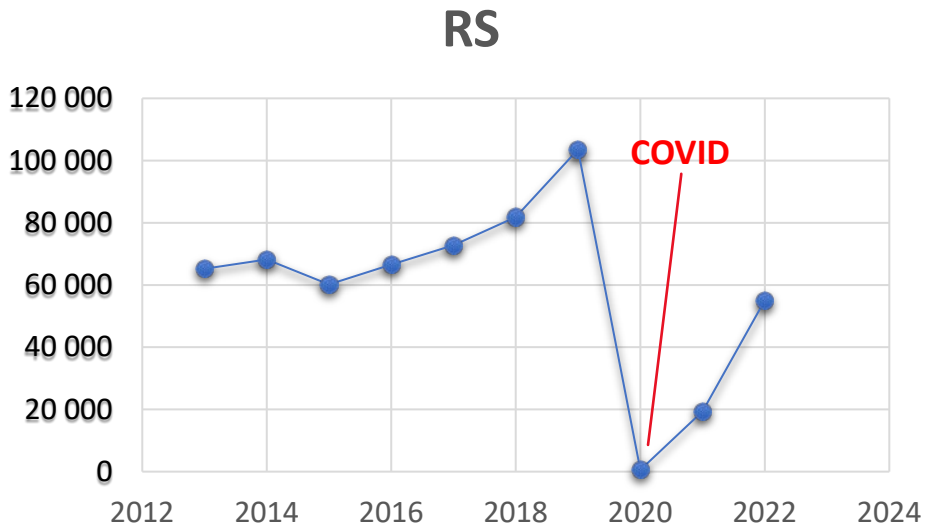
Navigation on the Sava - Passenger traffic in the ports on the Sava River







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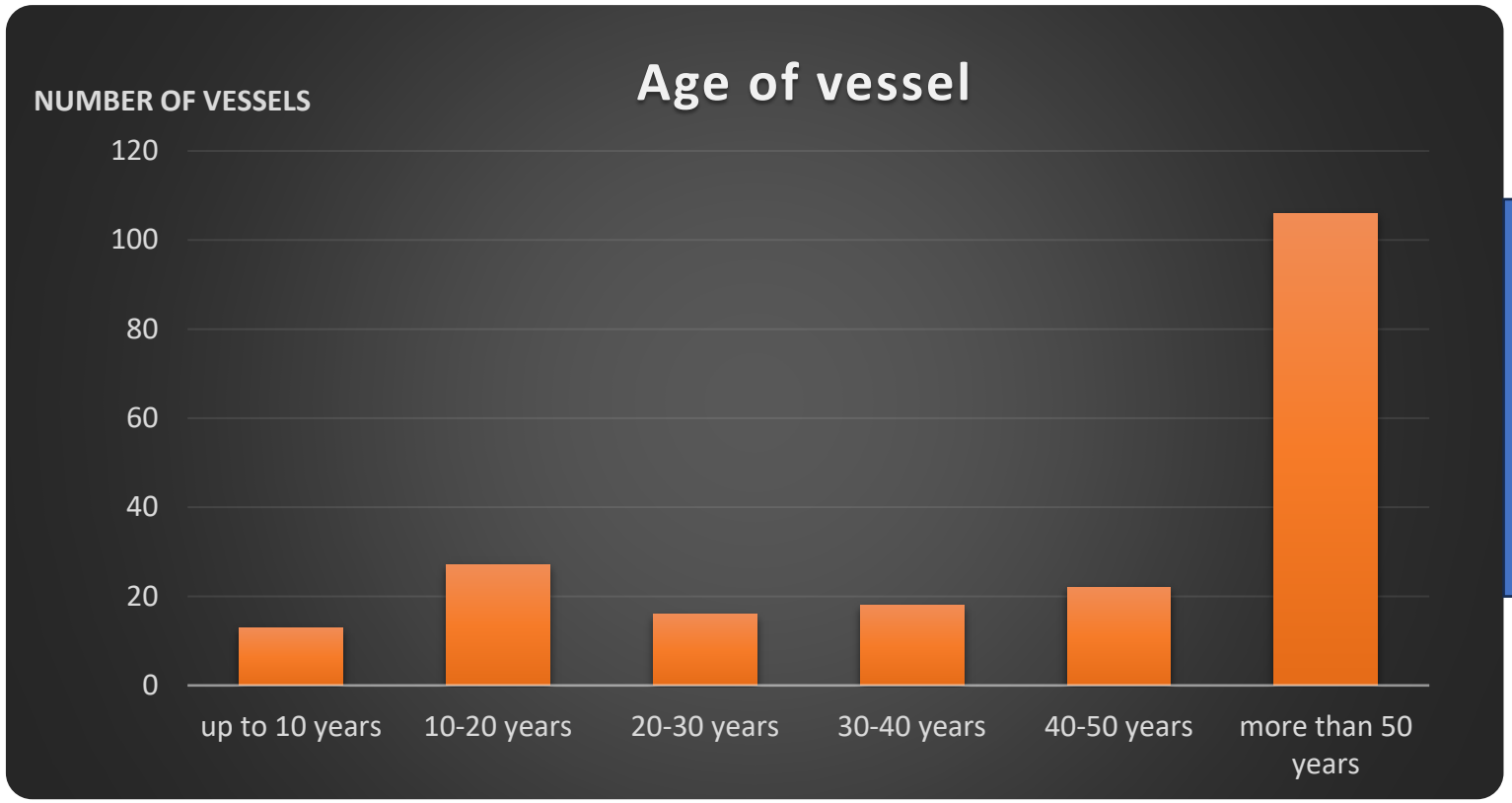
Navigation on the Sava – Fleet Condition

- Fleet analysis in Croatia 2018 ≈ profile of the fleet in the basin – required renewal & improvements
- Recommendation for IW Fleet Modernization for better environmental and economic benefits

  WATCAP Sava River Basin 2015 – Annex 4 Guidance Note on Adaptation to Climate Change for Navigation



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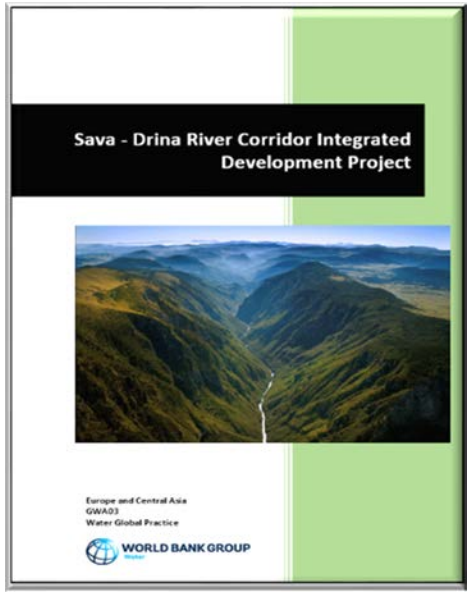
The Sava and Drina Rivers Corridors Integrated Development Program(SDIP)

- **Component 4 / Regional activities**
  - Objectives:
    - strengthening of strategic regional dialogue;
    - joint planning and sustainable water management and development;
    - Building climate resilience



Technical studies supporting the Sava River Basin management and filling the gaps in trans-boundary water management and planning processes
Hydrological Study for Sava River Basin
Study on sediment, water and biota in the Sava River Basin
Climate Change Adaptation Strategy for the Sava River Basin
Design of a Master Plan for Sustainable Tourism Development in Sava River Basin
Other (unspecified) studies filling the gaps in transboundary water management – **JOINT STATEMENT 2.0**
Development of the plans of the basin-wide relevance
Update of the Sava RBMP (preparation of the 3rd RBMP)
Update of the Sava Flood Risk Management Plan (preparation of the 2nd FRMP)
Preparation of the 1st Sediment Management Plan for the Sava River Basin
Upgrade of the Sava GIS and Sava HIS
Upgrade of the ISRBC ICT infrastructure
Enhancement of the existing and development of a new data management tools of Sava GIS & HIS, including the development of a water-relevant decision support system (DSS)
Advanced flood and drought monitoring, forecasting and management system
Improvement and upgrade of existing modelling tools in Sava FFWS and further development of a flood warning and alarm system and Establishment of **low flow forecasting and warning system (for assessment of droughts and navigability)** in the Sava River Basin

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Thank You for Your Attention!