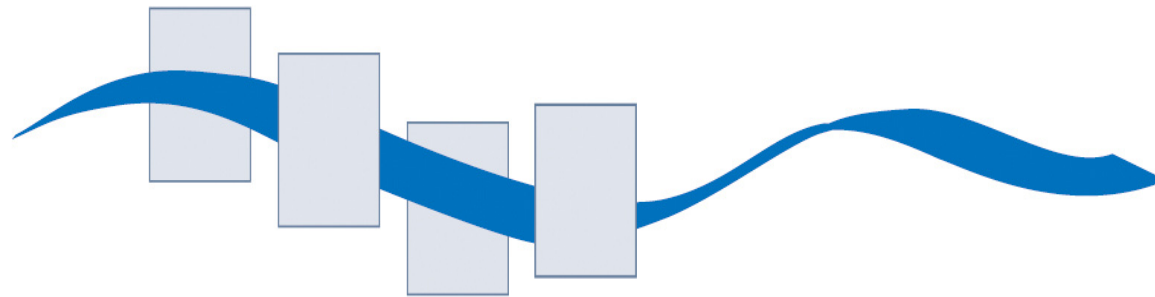
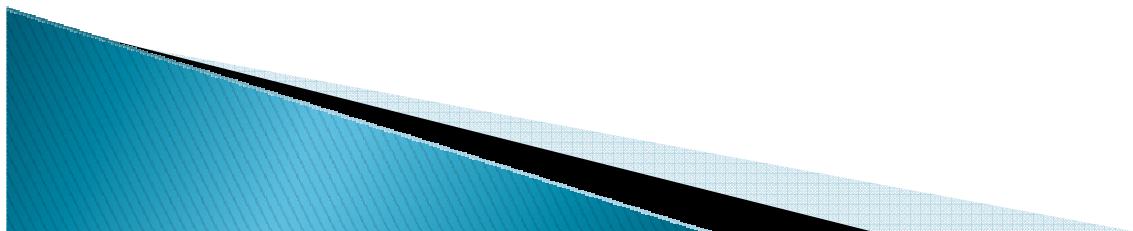


REHABILITATION AND DEVELOPMENT OF NAVIGATION ON THE SAVA RIVER



INTERNATIONAL SAVA RIVER BASIN COMMISSION

Nova Ves 11, 10000 Zagreb, Hrvatska, Tel.: +385 1 488 6960, Fax: +385 1 488 6986



Navigation regime under the FASRB

- **Navigation is open for merchant vessels of any state;**
- **Merchant vessels are free to enter the ports;**
- **The Parties shall undertake measures to maintain the waterway.**



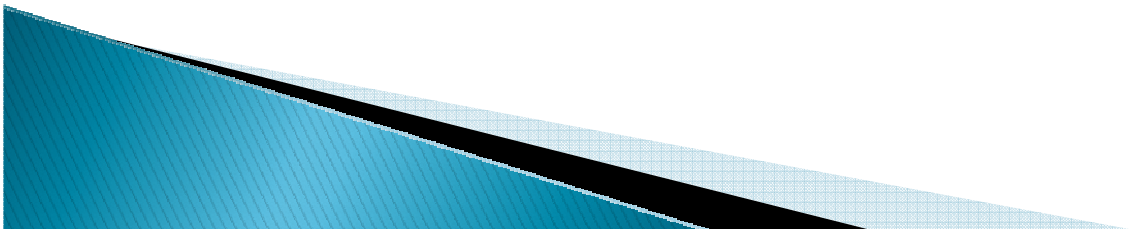
History of the navigation

- In the middle of the XVIII century almost 50 ships operated on the Sava river;
- First passenger line Sisak – Zemun started in 1844;
- About 15 mil. T in 1990;
- Activities were stopped during the war.



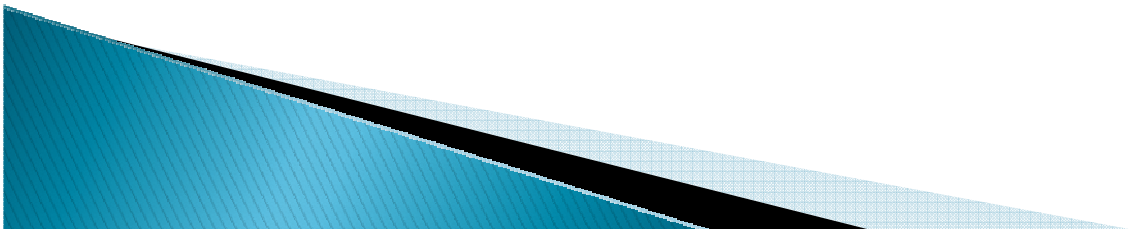
Sava waterway – Present condition

- Present condition is a result of the long period of poor maintenance
- The physical parameters of the Sava waterway cause unfavourable navigation conditions related to:
 - Limited draft during large periods;
 - Limited width and sharp river bends limiting the length and width of vessels and convoys;
 - Limited height for passages under some bridges.



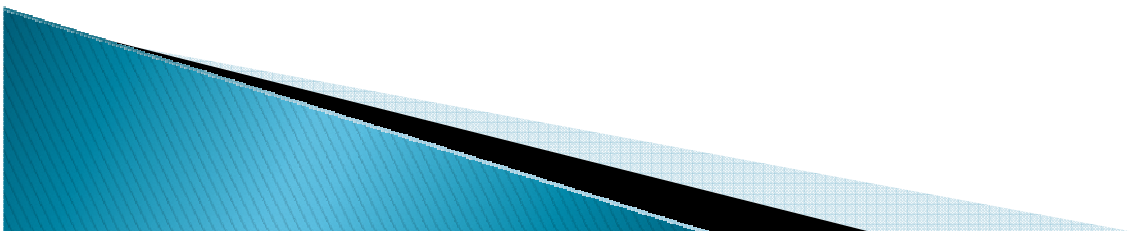
Rehabilitation - Beginning

- In the framework of the “Sava initiative” (process of drafting and concluding the FASRB), recognized as the priority project
- Framework Agreement on the Sava River Basin (FASRB) – signed in 2002, entered into force in 2004
- Joint Statement of the transport ministers from the Sava countries – Brčko 13.12.2005.
- Strategy for implementation of the FASRB



Rehabilitation - Activities

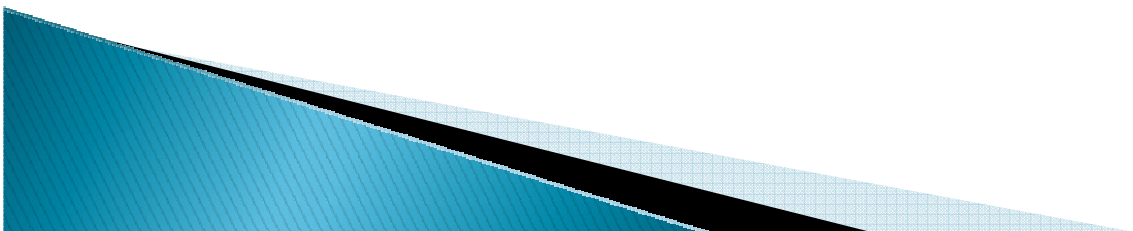
- **Prefeasibility study - 2007**
- **Transport demand and institutional, policy and legal framework study - 2007**
- **Feasibility study - 2008**
- **Restoration of the marking system - 2009**



Sava River Feasibility Study



Feasibility Study and Project Documentation for the Rehabilitation and Development of Transport and Navigation on the Sava River Waterway



General

➤ **Beneficiaries**

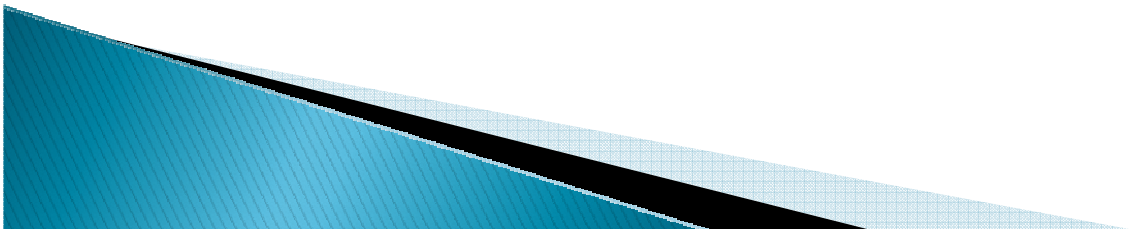
- Sava Commission
- Slovenia, Croatia, B&H and Serbia

➤ **Contracting Authority**

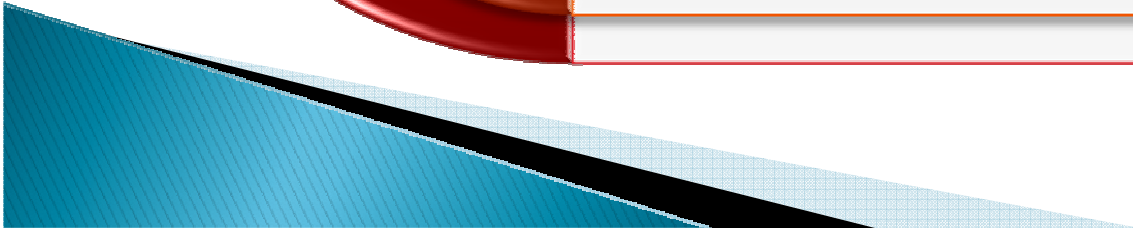
- Sava Commission

➤ **Financing**

- Slovenia, Croatia, B&H and Serbia



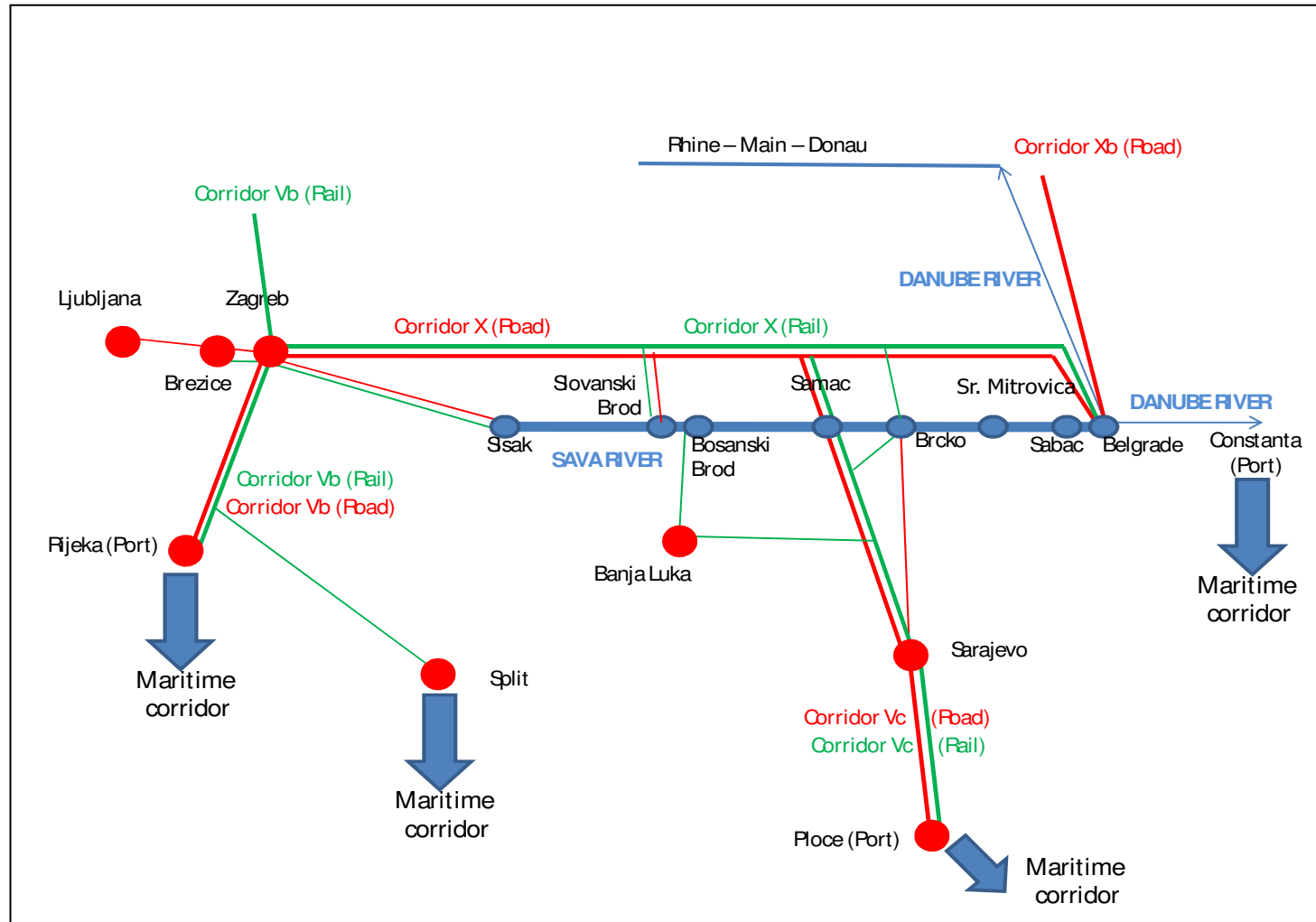
The Study goals & Objectives



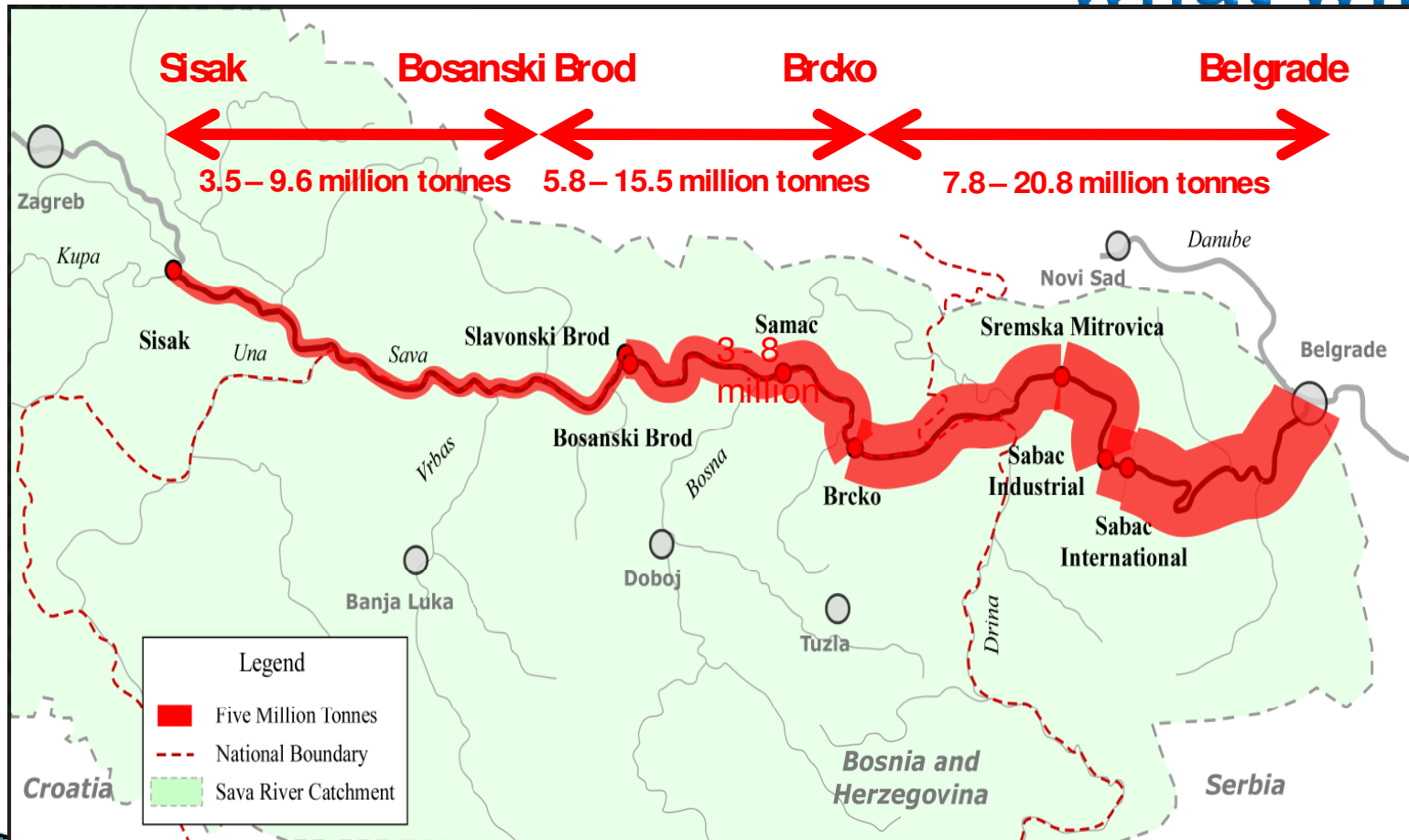
A Multi-functional Approach



Sava River Waterway Transport System



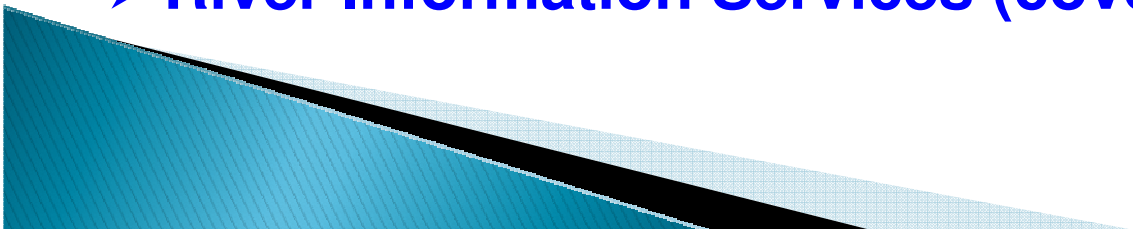
Commercial value of Sava River – what will be



Cumulative traffic volume per main segment (year 2027, minimum and maximum estimated volumes)

Identified Improvements Class IV

- Training works and dredging (19 locations)
- River bend improvements (20 locations)
- Bridges (3 locations)
- Sunken vessels (2 locations)
- River Information Services (covering 579.5 km)

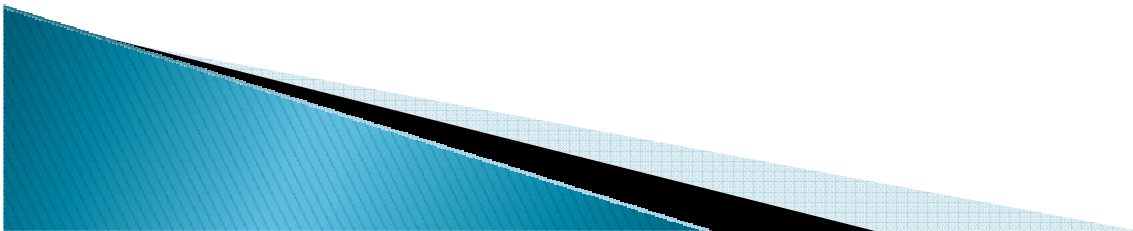


Rehabilitation - costs

The total construction costs to achieve SCC Class IV and Class Va waterway for the Sava river stretch km 0.0 – 586 amount to

Cla. IV Euro 80,7 mil.

Cla. Va Eur 86,4 mil.



Recommendations

1. Section Sisak-Belgrade

- Stimulate commercial transport on Sava River by upgrading to ISRBC Class Va

2. Section Upstream Sisak

- Stimulate nautical tourism
- Refrain from introducing commercial transport

3. Develop alternative uses of Sava River

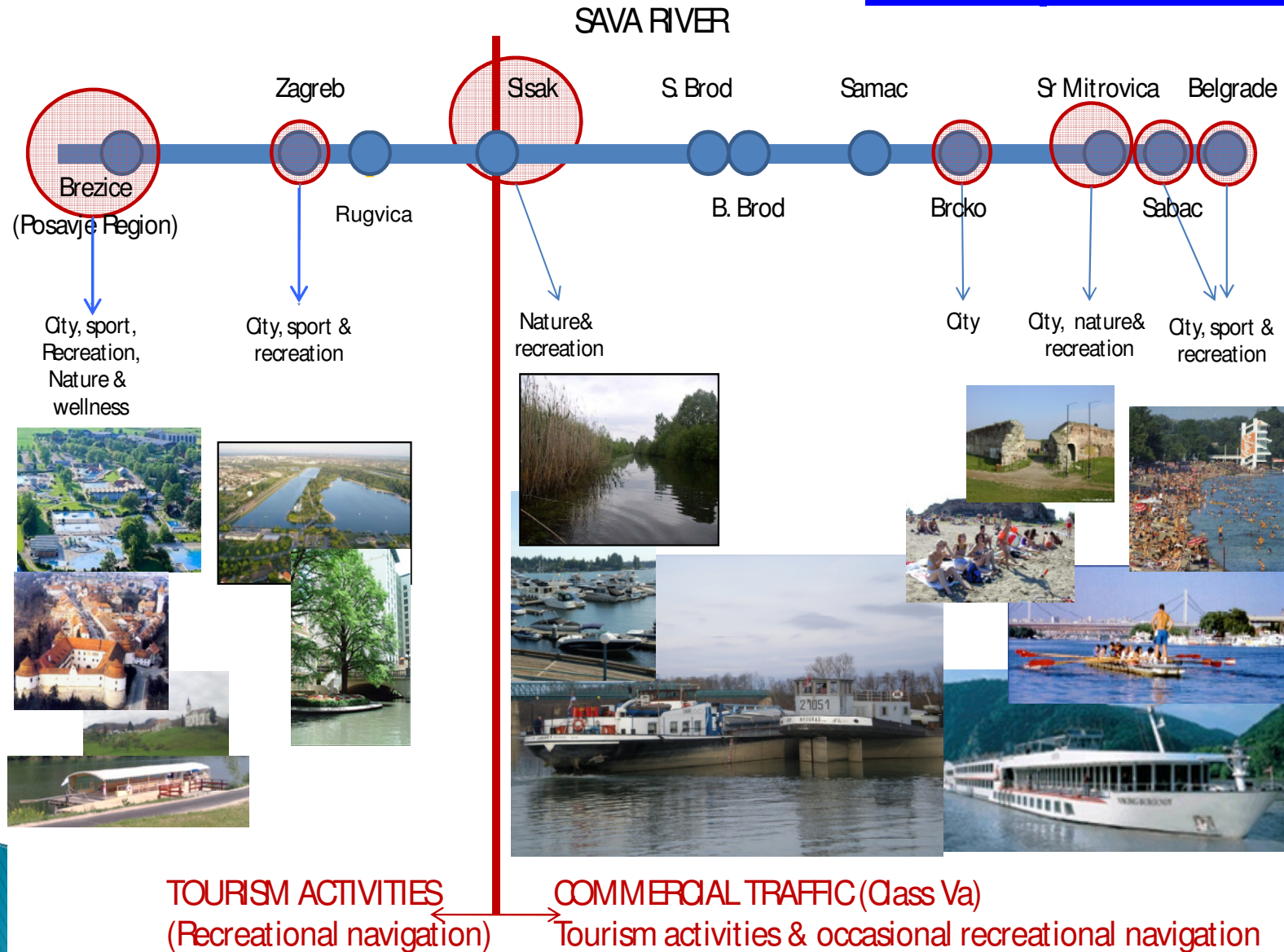
- Integrated tourism/environmental development upstream Sisak
- Selective tourism/environmental development downstream Sisak
- Energy production and water management upstream Sisak.

4. Other important initiatives

- River Information Services development
- Integrated and multi-modal transport sector strategies
- Regulatory framework for IWT sector in line with Acquis



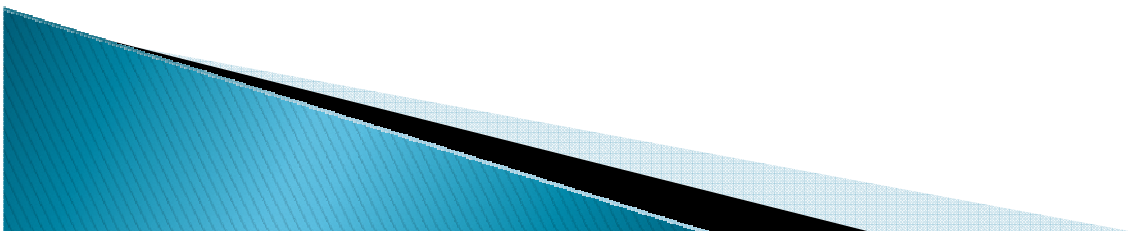
Development Strategy



Environmental Reports 1

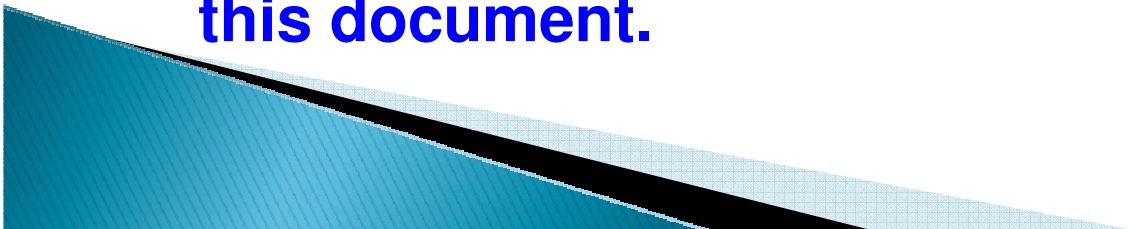
- **Within the time and available budget the Strategic Environmental Review was carried out, including:**
 - **Description of locations**
 - **Areas of Intervention effects**
 - **Estimation of intervention acceptability**
 - **Harmonization with international obligations**
 - **Propose environment protection measures**
 - **Environmental monitoring program**
 - **Evaluation of costs for environmental protection**

- **EIA recommendations to be used for further studies to implement the proposed works**



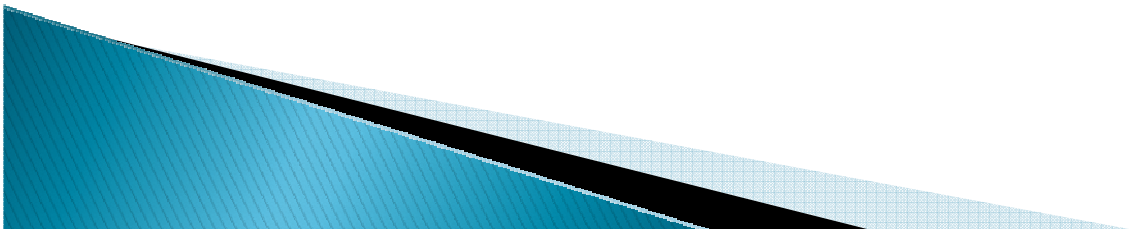
Environmental Reports 2

- This document is a basis for EIA reports preparation (which will follow), it gives only a general overview of the intervention location, possible impacts and measures to be conducted.
- EIA reports and EIA process in accordance with then Environmental Impact Assessment (EIA) Directive (85/337/EEC) and national regulations will be prepared and conducted during the following phase of project preparation.
- The Joint Statement on Guiding Principles for the Development of Inland Navigation and Environmental Protection in the Danube River Basin has been taken into account during preparation of this document.

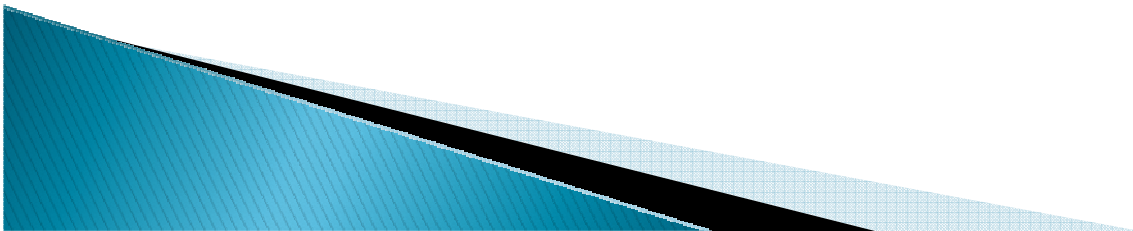


Presentation to the stakeholders

- **2 workshops during the development of the Study**
- **Presentation of the Environmental Reports on the web site of the Sava Commission**
- **Public presentation of the Final Report**

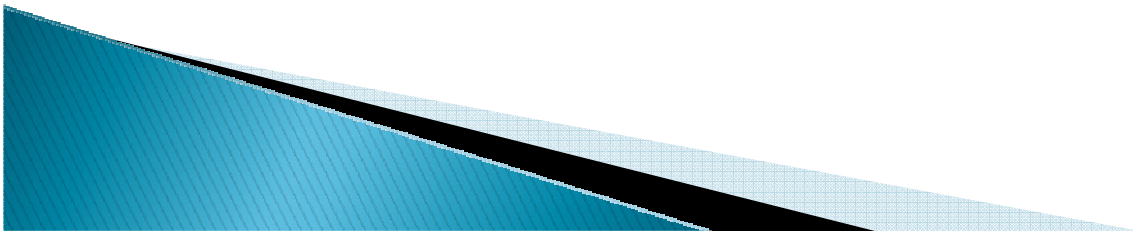


Ongoing Activities



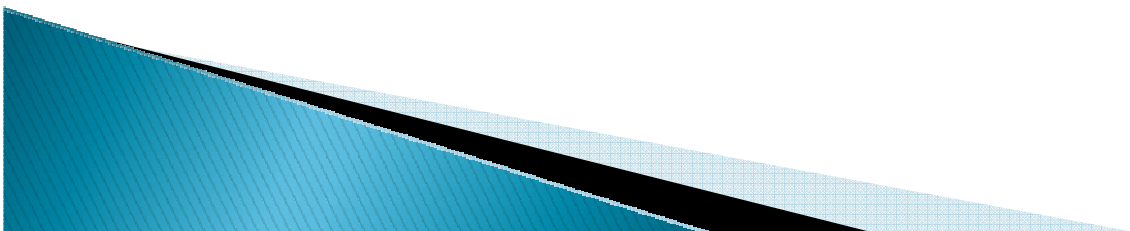
RBM Plan

- **Sava River Basin Analysis (SRBA) is finished**
- **Annex on navigation is one part of the SRBA**
- **Further activities will be co-financed by the EC**



Detailed Design

- **Detailed Design rkm 586 to rkm 207 – IPA funding – Republic of Croatia**
- **Detailed Design rkm 207 to rkm 0 – application for IPF funding – B&H, Republic of Serbia, Sava Commission**



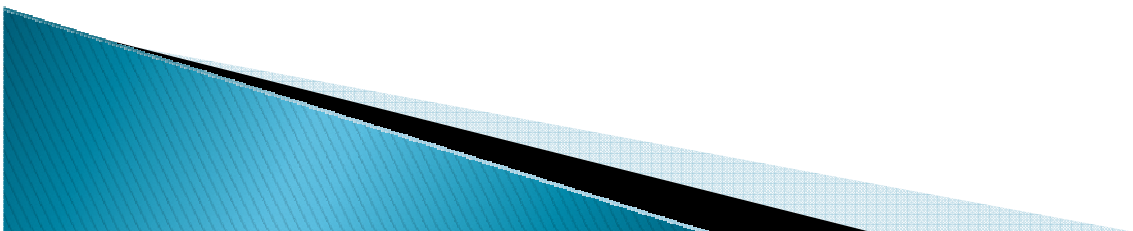
EIA Study

➤ **EIA Study - (rkm 586-207):**

- ongoing, financing by Croatia
- coordination between Croatia and B&H

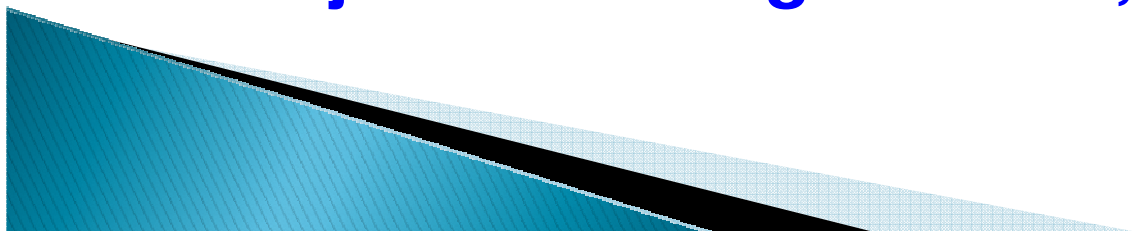
➤ **EIA Study - (rkm 207-0):**

- Part of the project application for IPF funding



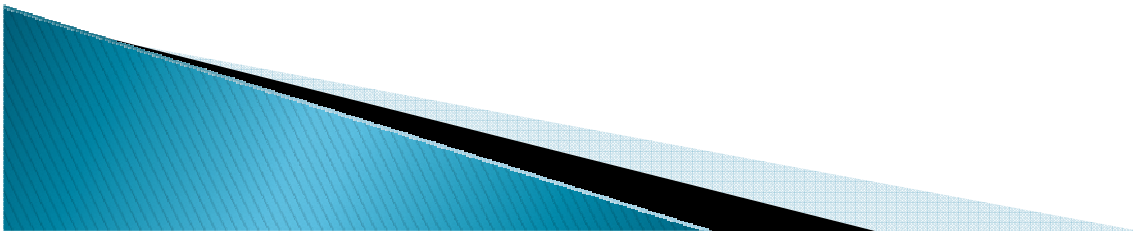
River Information Services

- **ToR for Project “RIS implementation and prototype installation on the Sava River” finished**
- **Tender procedure will start until the end of the June 2009**
- **Project financing: Croatia, B&H and Serbia**



Nautical Tourism

- **Sava Commission accepted Timeframe for development of the Master Plan for Nautical Tourism in the Sava River Basin**
- ***Project Fiche for Master Plan finished***
- **Preparation of the meeting of the competent authorities from the Sava Countries**



A wide, calm body of water, likely a river or lake, stretches across the frame. In the foreground, the dark, churning wake of a boat is visible, moving away from the viewer. The water's surface is dark blue-grey, reflecting the overcast sky. In the distance, a dense line of trees with green and some autumnal foliage forms a horizon line. The sky is a pale, hazy blue. A small white buoy is visible on the left side of the water.

Thank you for your attention!!!

Željko Milković