

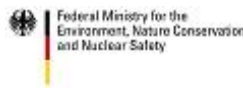
**Petersberg Phase II / Athens Declaration Process
Principles for Multipurpose Management in the Sava River Basin
Zagreb, 15 - 17 November 2006**

Navigation – Introductory Remarks

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Organized by
**German Ministry for the Environment, Nature Conservation and Nuclear Safety and
International Sava River Basin Commission**

Within the framework of
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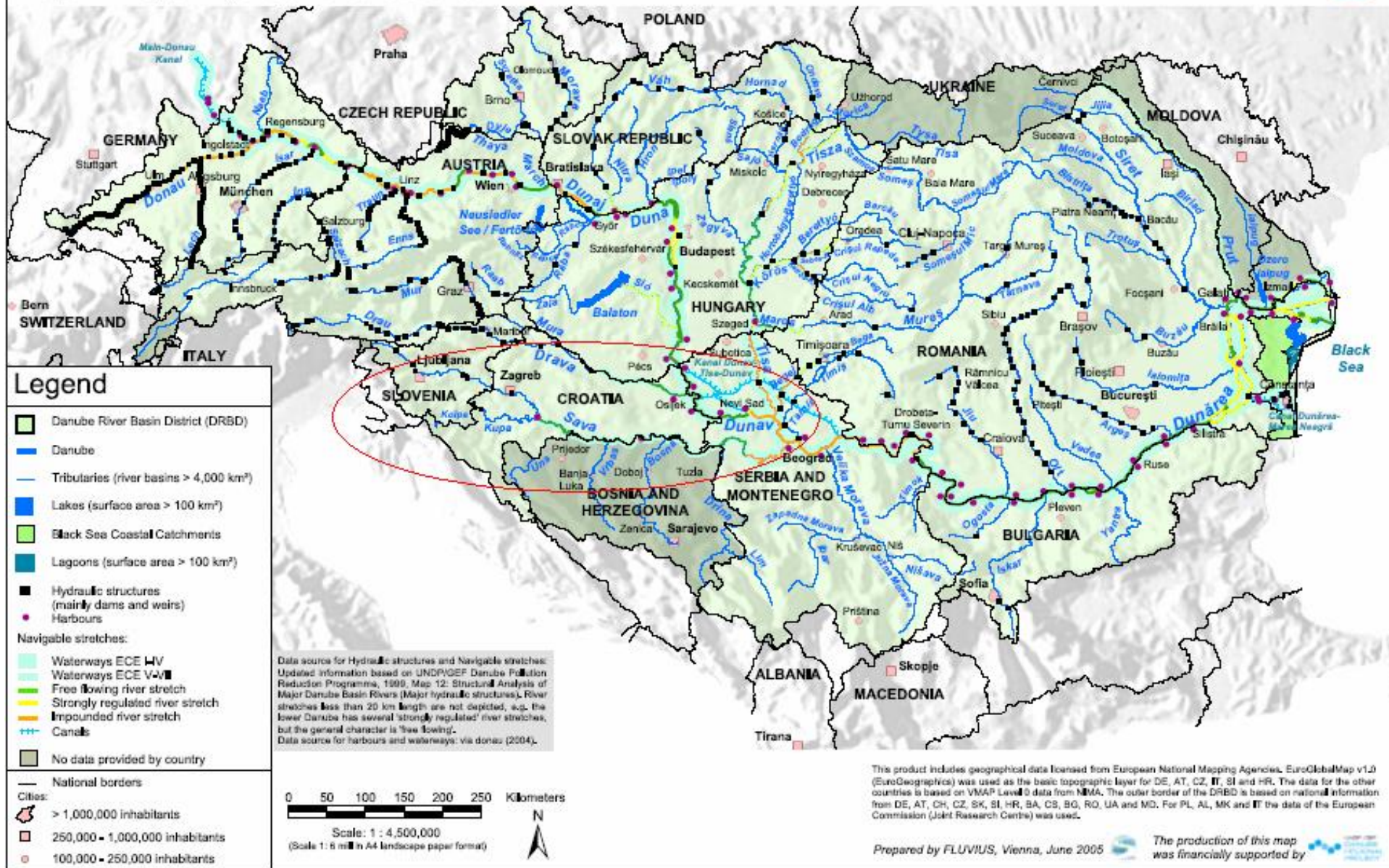


Presentation Structure

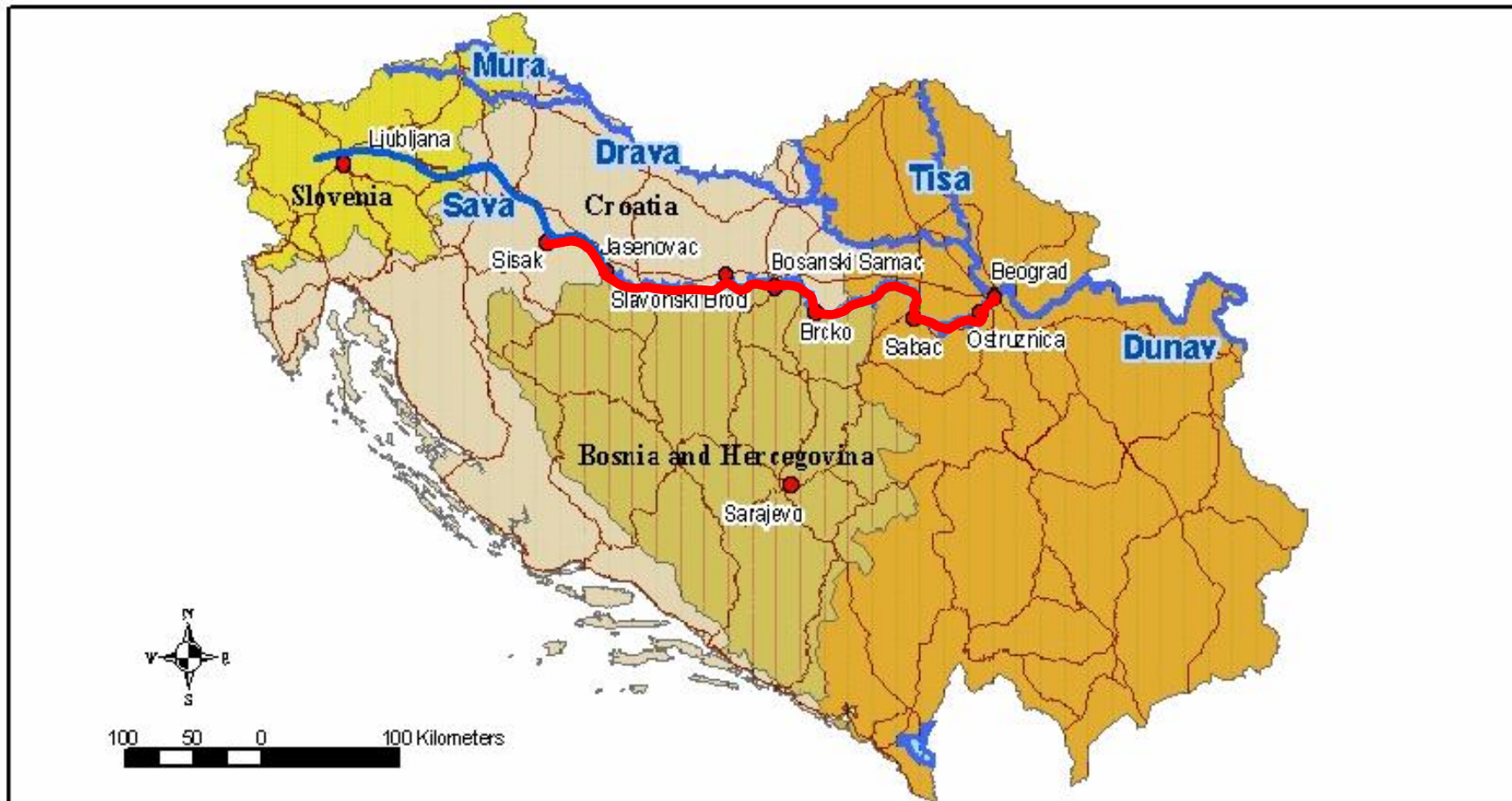
- ü History of the navigation within Sava River Basin
- ü Present navigational conditions and problems
- ü Rehabilitation and development of navigation on the Sava River Basin
- ü Framework Agreement on the Sava River Basin (FASBR)

Danube River Basin District

Map 7: Major Hydraulic Structures



History of the navigation in Sava River Basin

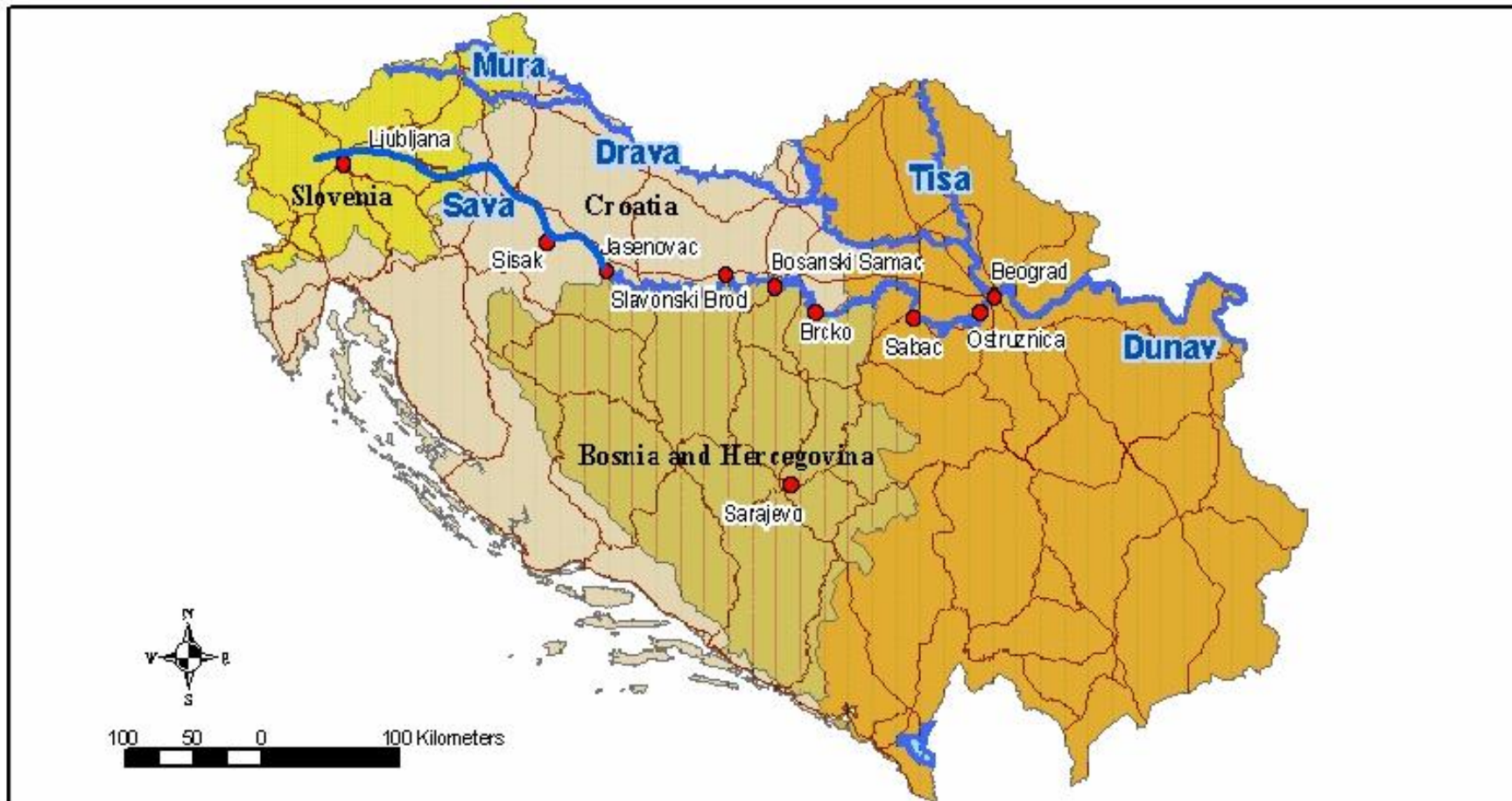


History of the navigation in Sava River Basin



- ü In the middle of the XVIII century almost 50 ships operated on the Sava river;
- ü First passenger line Sisak – Zemun started in 1844;
- ü About 15 mil. T in 1990;
- ü Activities were stopped during the war;
- ü Navigation is reopened on certain parts of the waterway on local level.

History of the navigation in Sava River Basin



Present navigational conditions



- ü Lack of the proper maintenance of the waterway;
- ü Insufficient marking of the waterway;
- ü Low level of the navigation safety;
- ü Fleet obsolescence and lack of building slips for overhaul .

Present navigational conditions



Revocation of navigation on Sava river

- ü during small flow

- ü during a thick fog

- ü ice and wind does not influence on revocation of navigation

- ü deposit of sediments on river mouths and downstream of bigger river's mouth

Rehabilitation and development of navigation



- ü Restore waterway to the level of navigability before 1990;
- ü Develop and improve waterway up to class IV;
- ü Develop and improve waterway up to class V.

Rehabilitation and development of navigation



Restoration of the navigable waterway to the level of navigability before 1990.(Integrated approach)

- ü Investment in expert services
- ü Works
- ü Management and maintenance

Rehabilitation and development of navigation



Investment in expert services

- ü Morphological, hydraulic and hydrological researches of the river Sava
- ü Feasibility study
- ü Design documentation
- ü Costs: 1 200 000,00 EUR
- ü Outputs: Finished morphological, hydraulic and hydrological studies; feasibility study and all relevant design documentation

Rehabilitation and development of navigation



Execution of the works according to design documentation:

- ü Works on the waterway (dredging, rehabilitation and construction of the regulation facilities)
- ü Marking of the waterway
- ü Costs: 14 300 000,00 EUR
- ü Outputs: Regulated waterway for cca.300 navigable days per year

Rehabilitation and development of navigation



ü Overall costs for rehabilitation of the waterway to the level of navigability before 1990 is total

15 500 000 EUR

ü FINANCING

ü State budget

ü Financial support from outside Sava basin

Rehabilitation and development of navigation



Joint statement signed by ministers of transport of Bosnia and Herzegovina, Croatia and Serbia on cooperation on reconstruction and development of navigation on the Sava river include:

- ü Supports legal, organizational and functional framework of the International Commission for the Sava River Basin
- ü Confirms necessity for countries lying along Sava River waterway to include development of navigation on the Sava River as priority in their development policies and strategies
- ü Ensures joint action toward international organizations aiming to promote the goals stated in the Framework Agreement to the Sava River Basin
- ü Invites European Union, donors and other International Financial Institutions to extend financial support to reconstruction and development of navigation on the Sava River

Framework Agreement on the Sava River Basin (FASBR)



- ü Signed on 03rd December 2002 in Slovenia;
- ü Parties: Slovenia, Croatia, Bosnia and Herzegovina, Serbia;
- ü Entered into force on 29th December 2004;
- ü International Sava River Basin Commission (Sava Commission) - implementation of the Agreement;
- ü Seat of the Sava Commission – Zagreb.

Framework Agreement on the Sava River Basin (FASBR)



Objectives of FASBR

- ü restoration of Sava River and its navigable tributaries to commercial trade navigation
- ü ensuring environmental protection and sustainable water management

Framework Agreement on the Sava River Basin (FASBR)



Navigation regime under the Framework Agreement is based on following principles:

- ü Navigation is open for merchant vessels of any state;
- ü Merchant vessels are free to enter the ports;
- ü The Parties shall undertake measures to maintain the waterway;
- ü Decisions of the Sava Commission shall be binding upon all the Parties.

3. DANUBE SUMMIT



- ü 3. Danube Summit, 18-19 October 2006, Budapest, Hungary
- ü Participants from different area of interest and institutions and organizations, from Danube region and wider
- ü Mr. Branko Dokic, Minister of Communications and Transport of Bosnia and Herzegovina, gives presentation which was partly used for this presentation

Conclusion



The concept of constructing the waterways on the Sava River should be understood as a measure to be achieved through a long-term process of adjusting the watercourses to the navigation needs, influencing creation of certain structures (built by other water management branches) within watercourses and river basins.



THANKS FOR ATTENTION!