

INTERNATIONAL SAVA RIVER BASIN COMMISSION

# **Regional Cooperation on Flood Management in the Sava River Basin**

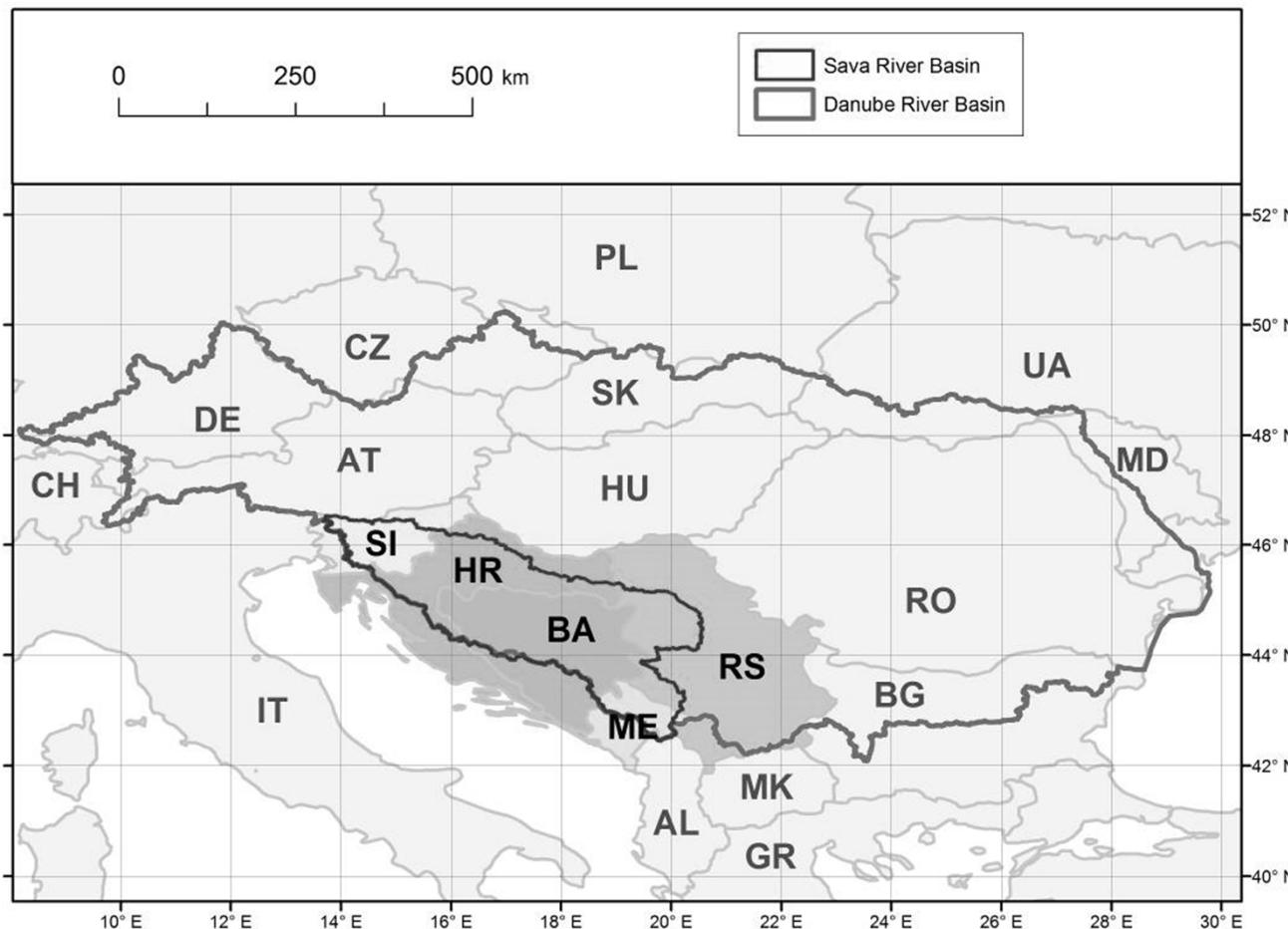
**„Water management in South East Europe“**

SEE Forum in the frame of the WATER BERLIN INTERNATIONAL

Berlin, 26 March 2015

Dr Dejan Komatina,  
Secretary, ISRBC

# Sava river basin



# Legal framework

- **Framework Agreement on the Sava River Basin – FASRB**  
(the first development-oriented multilateral agreement in the region)
- **Key objective:**

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

- **All aspects of water resources management** integrated  
(protection + development)
- Implementation coordinated by the **ISRBC**  
(4 member countries + Montenegro)

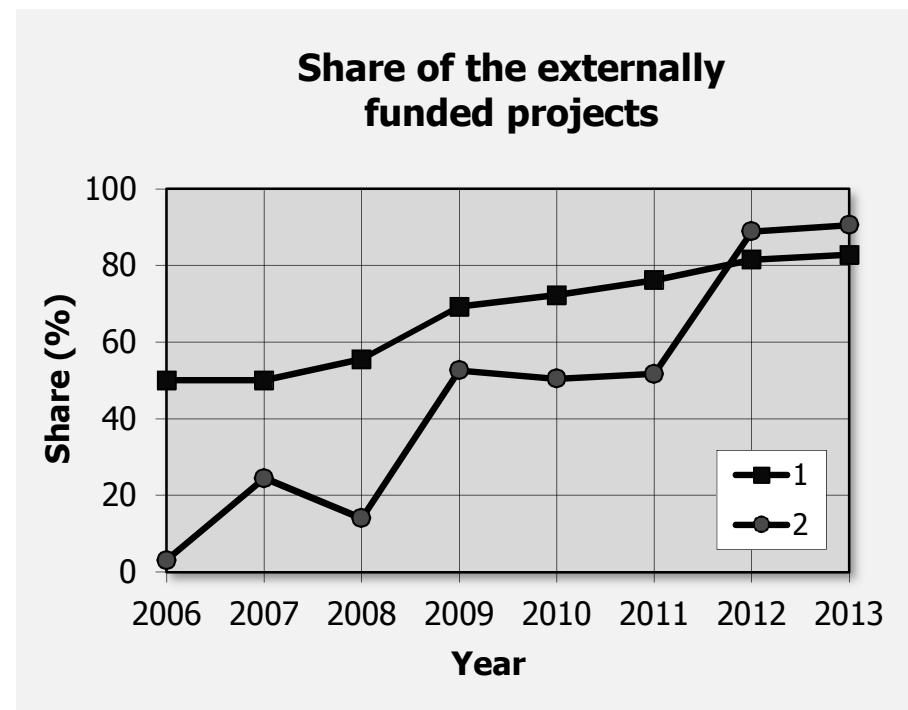
# Scope of cooperation

- **Management plans**  
(river basin, sediment, flood risk, climate change adaptation)
- **Integrated systems**  
(information, forecasting, warning)
- **Economic activities**  
(navigation, river tourism)
- Harmonization of **regulation**  
(national → EU)
- **Protocols** to the FASRB  
(e.g. flood protection)



# Projects

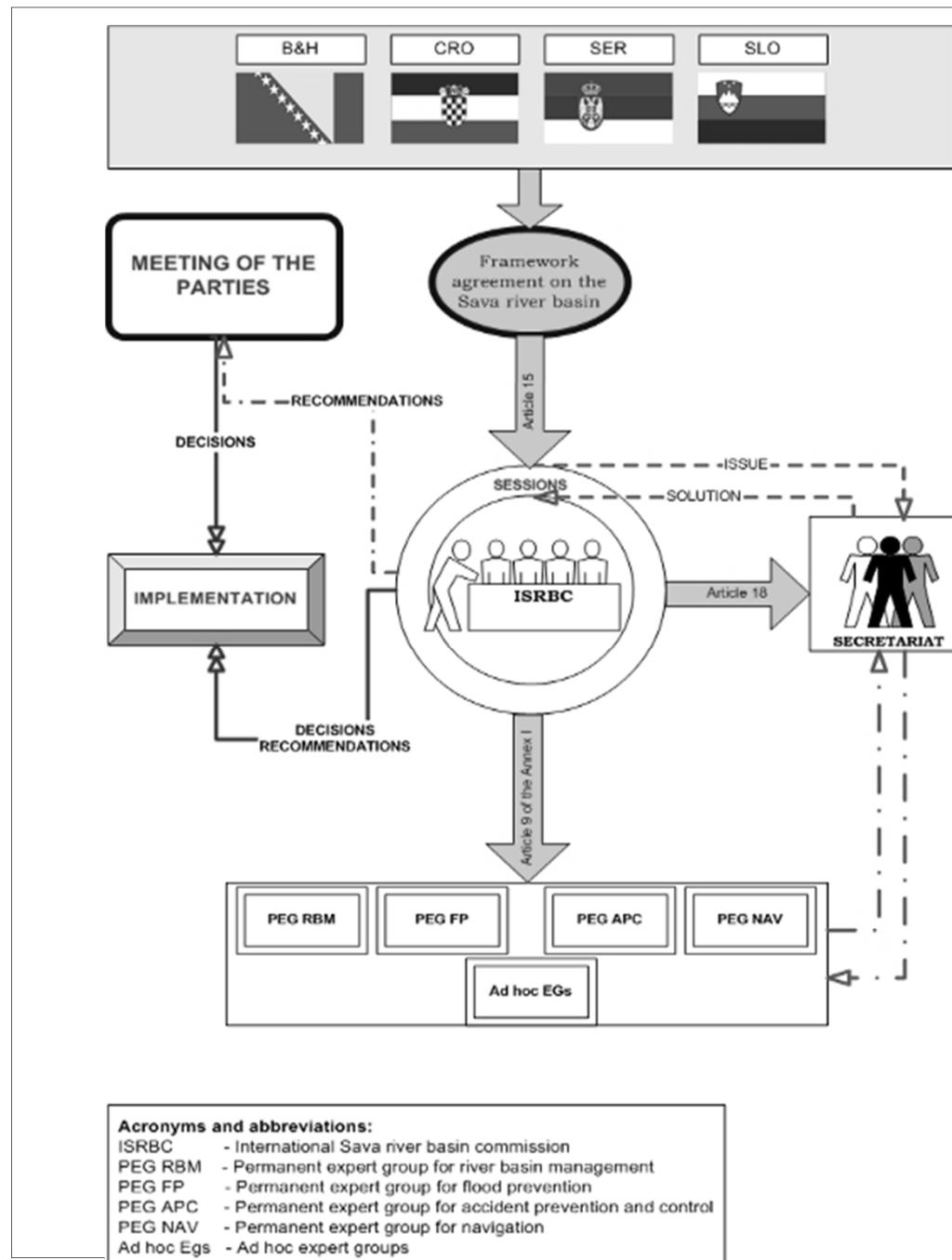
- **Agreed** by all countries
- **Direct** benefits
  - **Preparation and/or implementation** of projects
  - **Raising funds** from external sources (~ 90%)
- **Indirect** benefits
  - **Facilitation of fund-raising** for the countries
  - **Lower costs** for the countries in case of joint ventures



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

# Mechanism

- **Stakeholders**
  - **Wide range** horizontally (ministries, water agencies, NHMSs, etc.)
  - **All sectors** of society
  - **Levels of participation**
    - Provision of information
    - Consultation
    - Active involvement
- **Int'l community**
  - UNECE and EU regulation
  - ICPDR and DC (MoUs)

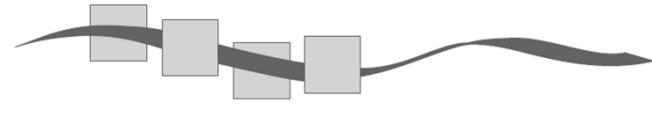


# Flood management

- **Main objective:**

**Prevent or limit floods,  
and reduce and eliminate adverse consequences**

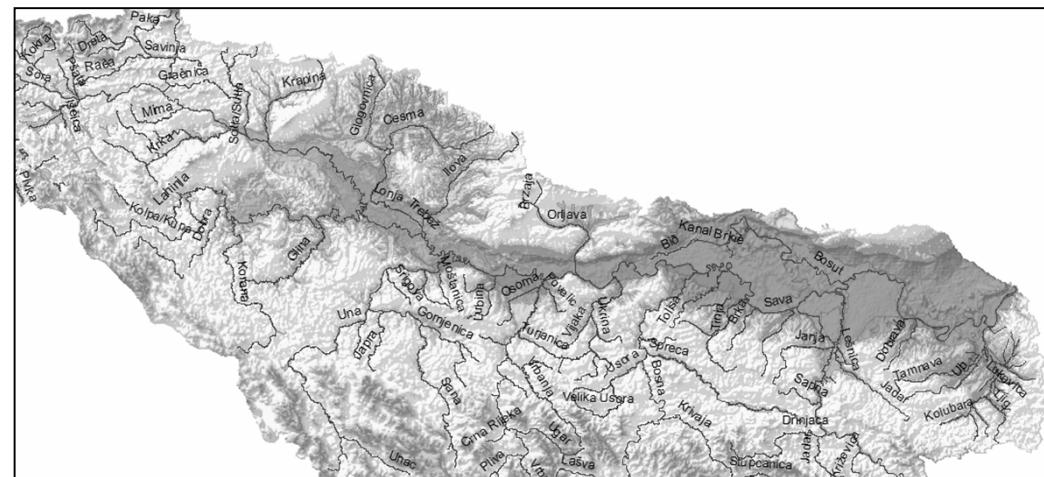




# Protocol on Flood Protection (2010)

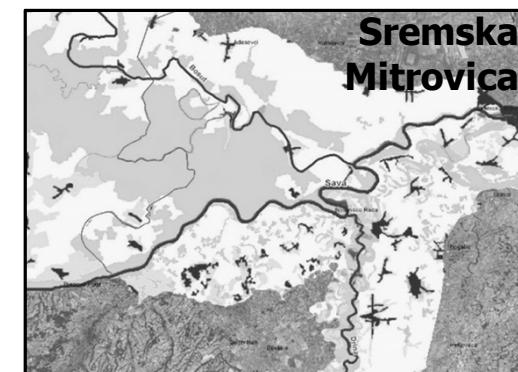
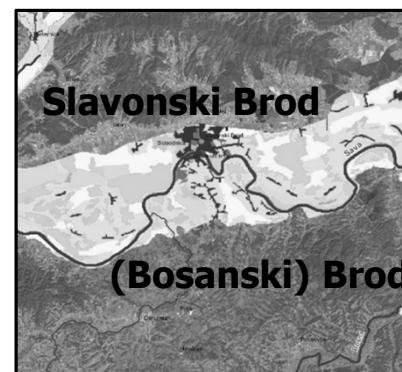
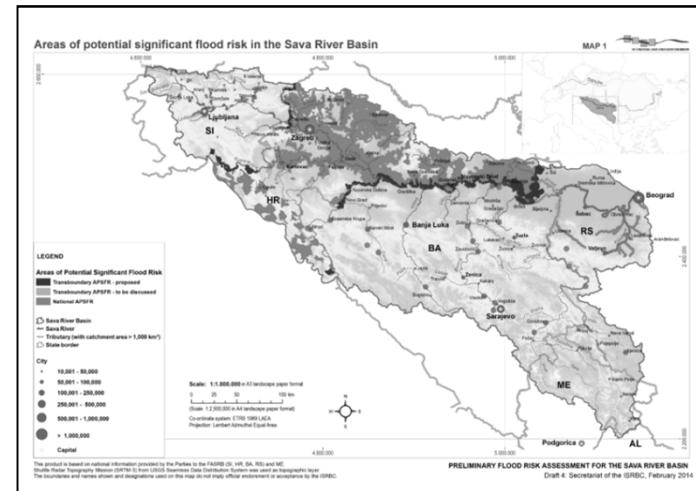
- **Flood Risk Management Plan** (EU Flood Directive)
- **Flood forecasting and warning system** (FFWS)
- **Exchange of information**
- **Flood defence emergency situations** (incl. mutual assistance)

- **Ratified** by 3 countries
- **Entry into force:**  
mid-2015 (expected)



# Flood Risk Management Plan

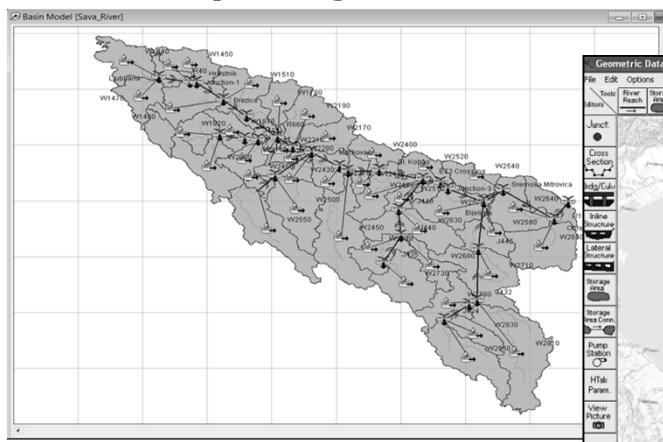
- **Initial steps**
  - **Draft Program**
  - Initial **flood vulnerab. assesment**
  - Joint **PFRA Report** (incl. May '14 flood)
- **Preparation of the Plan**, incl. Summary of Measures (2015-2017)



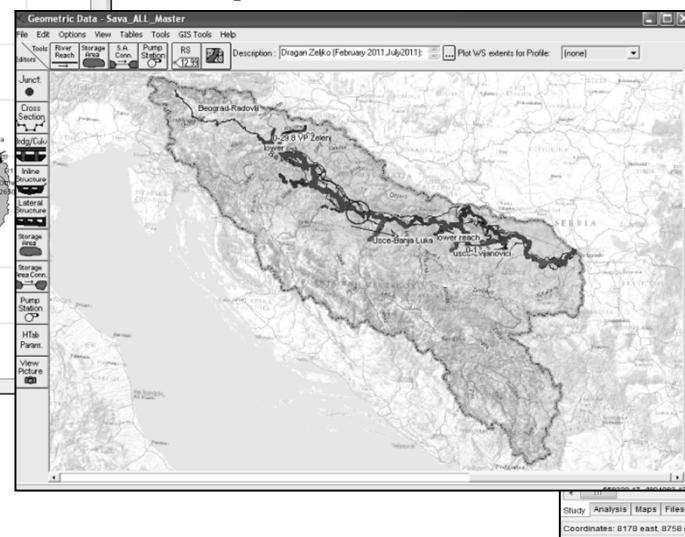
# Flood forecasting and warning

- **Simulation models** (hydrologic, hydraulic)
- **Upgrade of models** (2015)
- Implementation of **FFWS – Phase 1** (2015-2017)

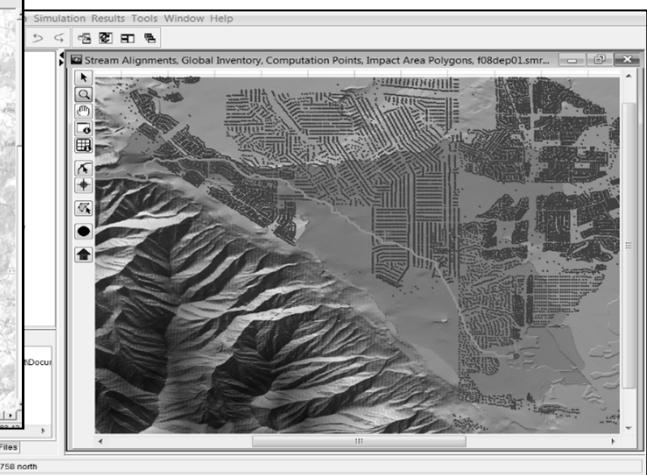
**Hydrologic model**



**Hydraulic model**



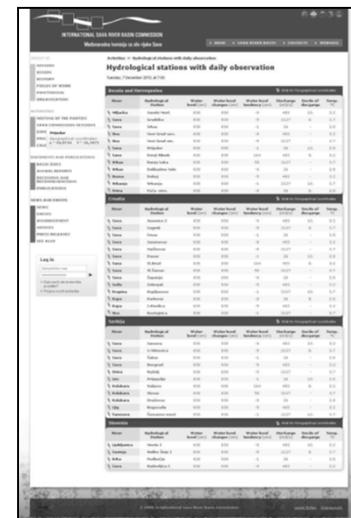
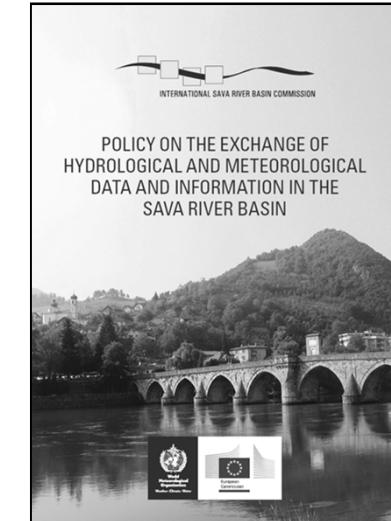
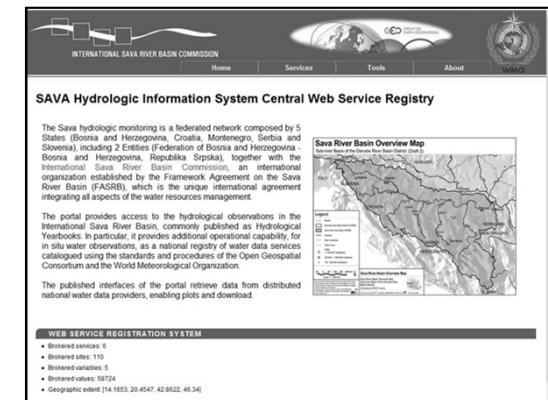
**Consequence assessment**



# Data and information exchange

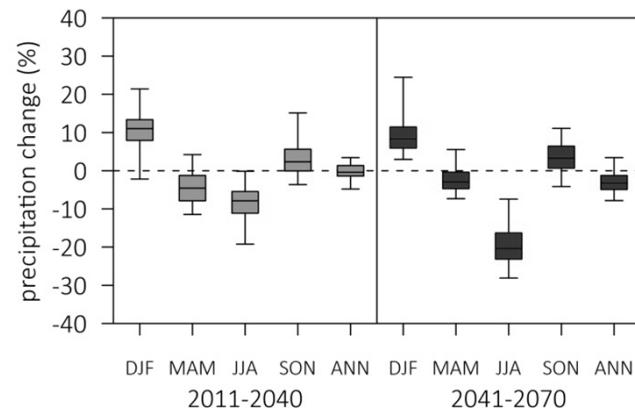
- **Platform for exchange**

- HM Data Exchange Policy (principles, minimum)
- Hydrological Yearbook and Data Portal
- Hydrological Information System (2015-2016)

# Other relevant activities

- **Sava River Basin Management Plan**
- **Sava GIS – Phase 1 (2015)**
- **Water and Climate Adaptation Plan**
  - Guidance Notes
  - Measures, recommendations



# Commitment of the Parties

- Sessions of the ISRBC
- Meetings of the Parties
- Other high-level meetings

Belgrade, June 16, 2014

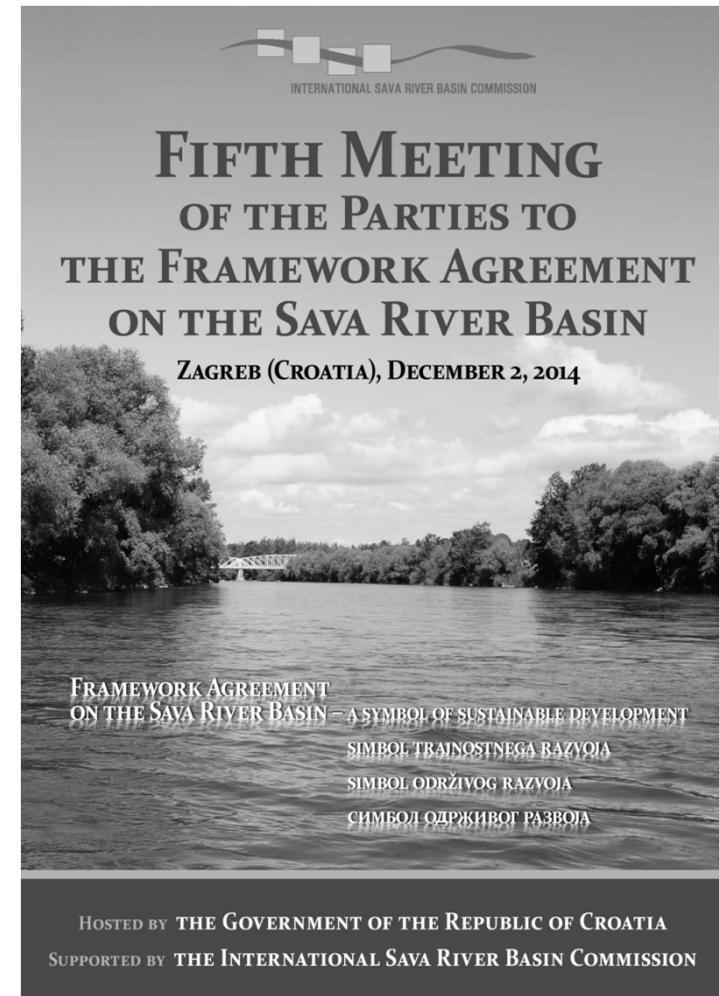


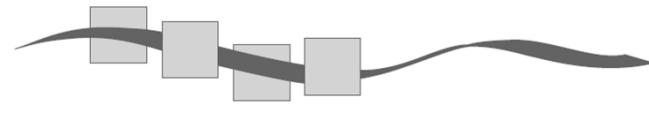
Zagreb, Dec. 2, 2014



# Key messages

- **Sound legal framework**
  - FASRB
  - Protocol on Flood Protection
- **Solid institutional framework**
  - Regional network of institutions / people (political and expert levels)
  - Achievements / ongoing activities
  - Mechanism for preparation and implementation of regional projects
- **Make the best use of it!**





# Contact information

## International Sava River Basin Commission

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**Croatia**

**[www.savacommission.org](http://www.savacommission.org)**

The screenshot shows the homepage of the International Sava River Basin Commission. The header features the organization's name and a navigation menu with links to Home, News, Multimedia, Contact, and Members. A search bar and a calendar for September 2013 are also present. The main content area includes a large image of a bridge over a river, a news item about the 35th Session of the Sava Commission, and a grid of four event cards for the 35th Session. The sidebar contains links to various documents and publications, a calendar of notices to shipowners, and a section for the Marking Plan and Fresh Publications.