

## Requirements for the Initial Assessment in Bosnia and Herzegovina

Skopje, 27 - 29 October 2015  
ECRAN

### **MULTILATERAL AGREEMENTS FOR INLAND WATERS (and the Black Sea Basin)**

- Convention on the Protection and use of transboundary watercourses and international lakes(the Helsinki Convention),
- Convention on cooperation for the protection and sustainable use of the River Danube,  
*International Commission for the Protection of the Danube River(ICPDR)*
- Framework Agreement on the Sava River Basin  
*International Sava River Basin Commission (ISRBC)*

## LEGISLATIVE AND REGULATORY FRAMEWORK AND AGREEMENTS

- At state level:

There is no legislative or regulatory Framework related to marine waters

- At entity level:

**FBiH**

- The FBiH Law on Waters(OfficialGazetteofFBiHNo.70/06)
- Law on Internal and Marine Sailing of FBiH  
(OfficialGazetteFBiHNo.73/05)

**RS**

- The territory of the Republic of Srpska is landlocked and Coastal waters are not treated in the Law on Water in the Republic of Srpska



## **Typology-"sistem B" (abiotic typology)**

Abiotic river types include ecoregions altitude, catchment area, size of water area in the Sava River Basin, altitude, geology and the additional factor of dominate substrates

- 1) the BiH share of the Sava River Basin is exclusively located in the Ecoregion 05 – Dinaric Western Balkan;
- 2) rivers with catchment areas > 10 km<sup>2</sup>; Lakes with a surface area > 50 ha(no);
- 3) altitude (<200, 200-500, 500-800, >800);
- 4) geology (K,S,O)
- 5) dominate substrates (3 class)

(assessment of transitional waters and coastal areas are not relevant the Sava RBM)

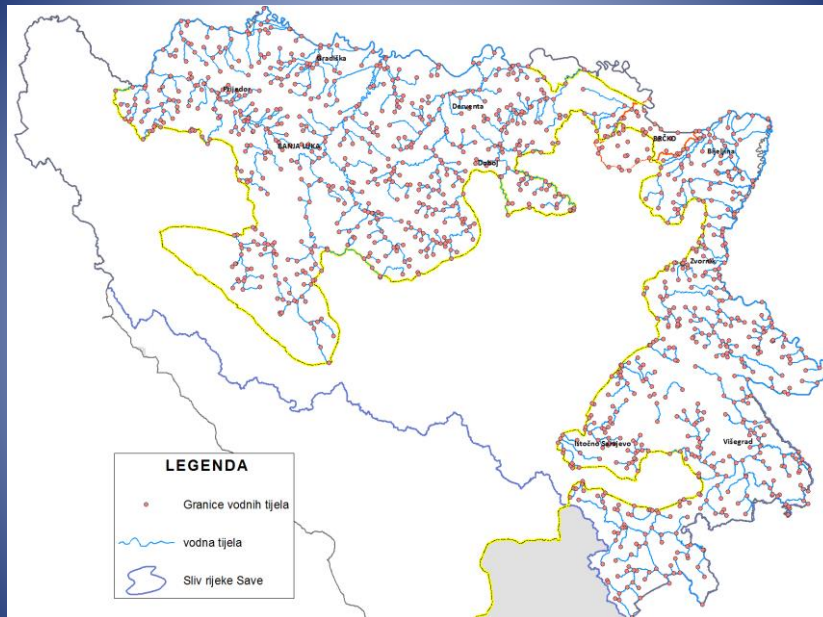
**TOTAL: 47 types in RS**

## **Biotic typology**

For the first Sava RBMP specific approach methodology will be used for biotic typology : water body delineation, preliminary HMWB and AWB designation and Pressure/Impact Analysis and Risk Assessment (type-specific reference conditions no sufficient data – Expert judgement will be used)

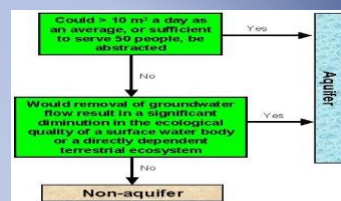
- Delineation 718 WB
- Preliminary HMWB designation 54 WB
- Preliminary AWB designation 21 WB

For type-specific reference conditions no sufficient data but there is an assumption on 7 types.

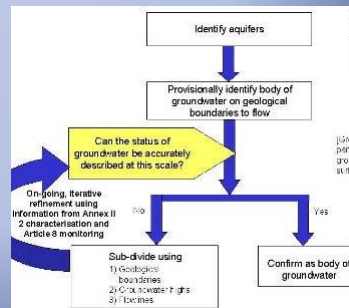


## Groundwater

Identification of WB  
According to WFD



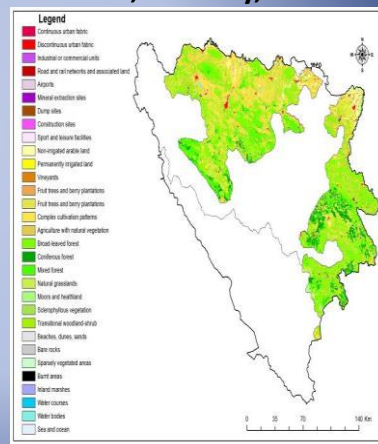
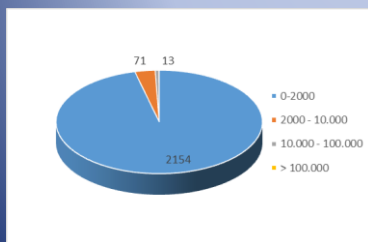
Guidance document no.º 2,  
Identification of Water Bodies,  
WFD 2000/60/EC



## Pressure: point and diffuse (surface and groundwater)

Organic pollution from urban wastewater and from industry  
Nutrient pollution from urban wastewater , industry, agriculture  
Hydromorphological alteration  
Hazard substances

land cover- land use  
Agglomeration



## Protected area in RS

- Protected area 0,9 % (22.153,48 ha) of territory RS, at Sava RB we have 13 of them

4 Nature reserve, 2 National parks, 6 natural monuments and 1 area for resource management

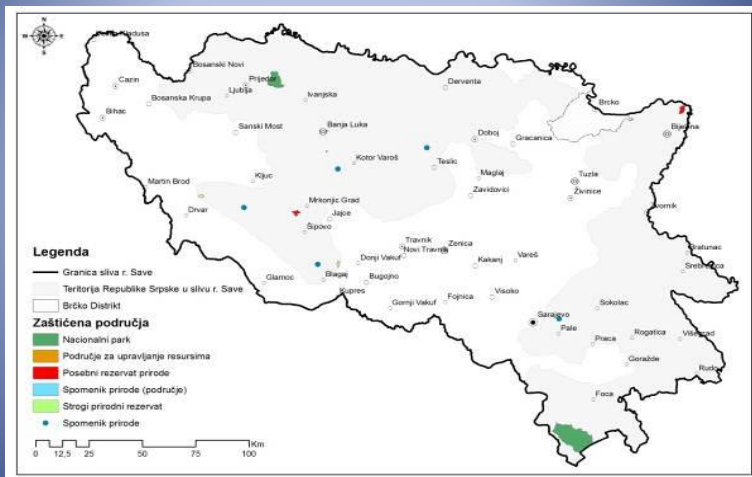
- At the international level 3 protected areas

Protected area	Area (ha)	Municipality	International Category
National park "Kozara"	3.907,54	Prijedor, Gradiška, Koz. Dubica	Member ofEUOPARC federation
National park "Sutjeska"	16.052,34	Foča, Gacko, Kalinovik	Member ofEUOPARC federation
Wetland Barača	3.500	Srbac	Ramsar area (br. 1658)

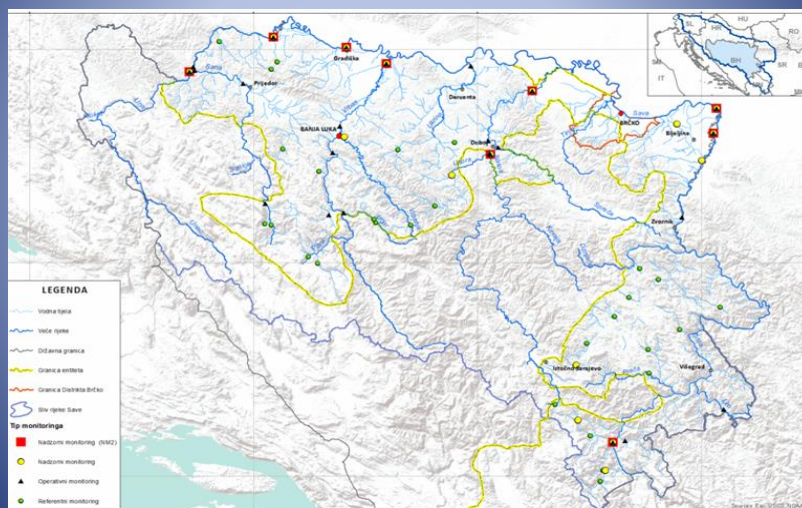
- Water abstraction - 84 area



## Map of protected area in Sava RB in RS



## Monitoring in line with WFD(partially)



## Economic analysis

The general socio-economic situation is characterized by the following data:

- number of inhabitants in the RS and the parts of the Sava River Basin;
- per capita GDP in RS;
- employment situation;
- Gross Domestic Product;
- Gross Value Added

## GAPS

- 1) Insufficient number of monitoring sites
  - 2) No monitoring of some quality elements (fish, hydromorphology, some PS)
  - 3) Less sampling frequency for some quality elements
  - 4) There are no type specific class boundaries
  - 5) No intercalibration results as required by the EU WFD
  - 6) Not yet determined reference conditions for each river type
  - 7) The WB delineation is exclusively based on the abiotic typology but not on a final typology that is validated by biology
  - 8) The delineation of water bodies for rivers with catchment areas 10 – 100 km<sup>2</sup> is lacking
  - 9) In general, a methodological approach how to delineate water bodies related to significant pressures and risks is missing
- Not yet determined protected species, Protected minerals and fossils, nitrate vulnerable zones, bathing water according to EU directives.

Thank You for Your attention

