Ministry of Agriculture, Forestry and Water Management Directorate for Water



Implementation of WFD in Serbia and Montenegro

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Water Responsibilities

According to the existing Law on Water and Law on Ministries Ministry of Agriculture, Forestry and Water Management i.e. its operational body: **Directorate for Water** is responsible for integrated water resources management

Water Responsibilities

Other Ministries responsible for certain aspects of WATER resources management are:

- Ministry for Science and Environment
- Ministry of Health
- o etc.

Water Legislation

In Serbia: Law on Water (1991)
In Montenegro: Law on Water (1996)

Both documents are not harmonized with current EU legislation — new Law on Water is in a final phase of preparation

Bilateral agreements

Existing:

- YU Romania, YU Hungary (1955.), YU- Albania (1956.), YU - Bulgaria (1958.)
- Need to be harmonized with current EU legislation

New agreements according to the new political circumstances:

• CS - HR, CS - BA

New proposal in preparation in Serbia

Implementation of WFD – ICPDR activities

February 2004.

Plan for the fullfilment of CS obligations to the ICPDR

National Report 2003
National Report 2004
(both documents sent to ICPDR — EU)

river basin area > 4000 km²

12 river basins

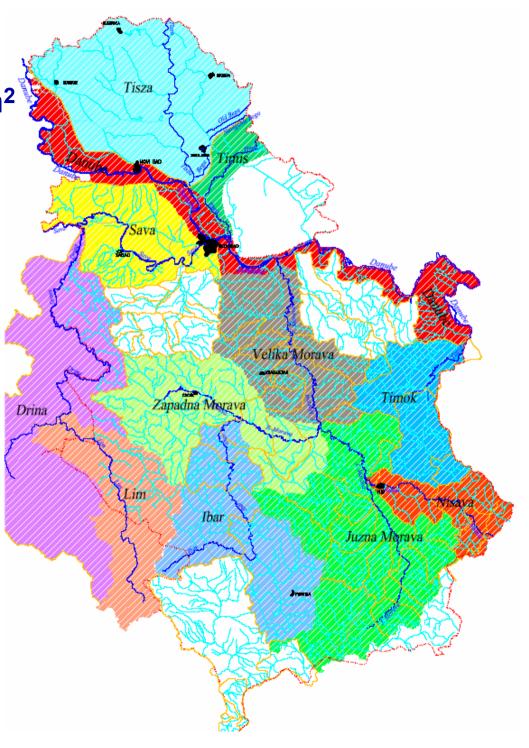
(all transboundary except Morava and Ibar)

17 river types in CS + 3 Danube types 8 sub-types

9 WB at Danube R.42 WB at tributaries27 HMWB

AWB – Danube-Tisza-Danube hydrosystem including Bega R.

2 GWB in Vojvodina



TYPOLOGY:

3 Danube types:

- Section Type 6 Pannonian plain Danube (D km 1433-D km1075)
- •Section Type 7- Iron Gate Danube (D km 1075 D km 943)
- •Section Type 8 Western Pontic Danube (D km 943 D km 845)

8 relevant tributaries types (preliminary):

- Typology system B used
- abiotic parameters:

•geological characteristics (Ca, Si, organic) and

catchment size

Class name*	Range of the class (km²)	
Streams	<100	
Small rivers	100-1.000	
Medium rivers	1.000-4.000	
Large rivers	4.000-10.000	
Very large rivers	>10.000	

altitude

Class name*	Altitude (m a.s.l.)	
Lowland	<200	
Hilly	200-500	
Mid-altitude	500-800	
High-altitude	>800	

bottom characteristics

Description	Size [mm]			
Fine substrate	<0.125	FINE		
Sand	0.125-2			
Gravel	2-64		MEDIUM	
Cobbles	64-256			COARSE
Boulders	>256			

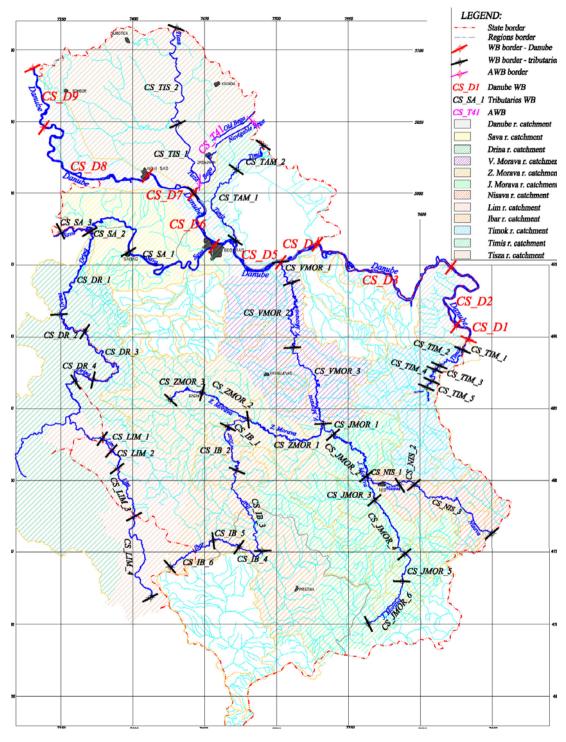
SURFACE WATER BODIES

Delineation according to:

- •WB CIS Guidance provisions
- preliminary typology
- harmonization with

neighboring countries (end

of WB at the state border)



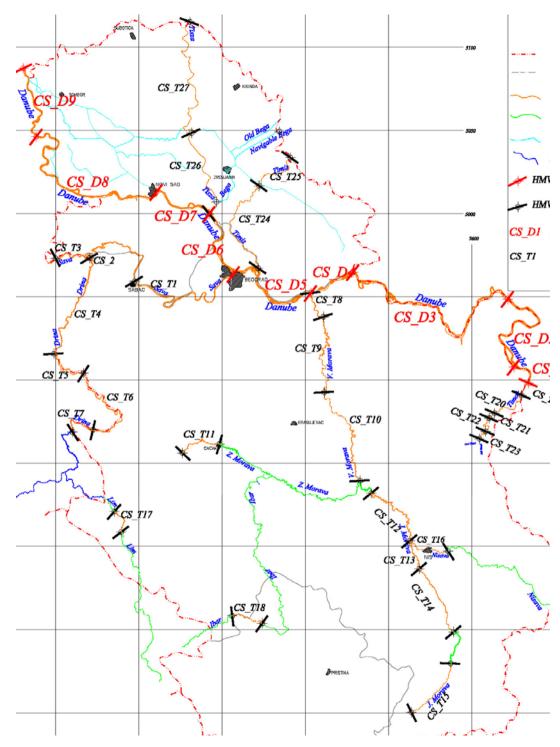
HMWB MAP

Drina River - all HMWB

Sava River - all HMWB

Lim River - 1 HMWB

stretches shorter than 50 km and not part of any longer chain of HMWBs - not included in final version of RR 2004



GW BODIES

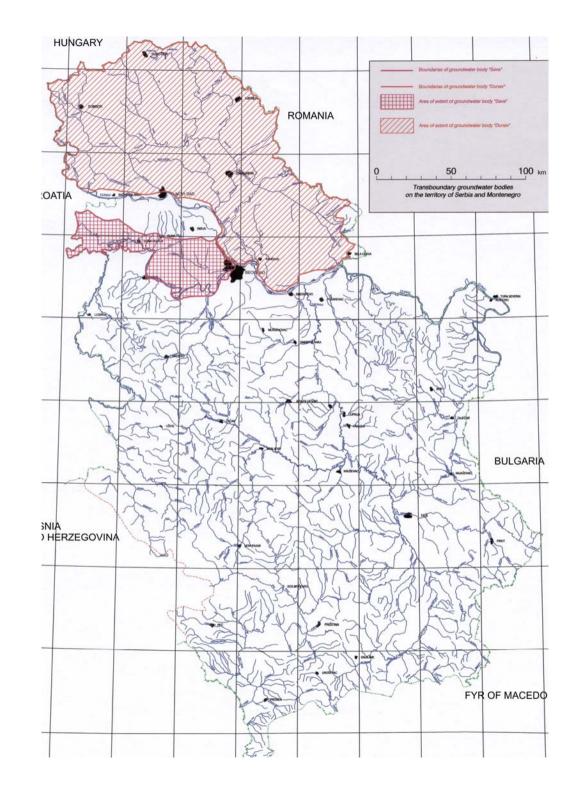
Harmonized with RO and HU

Danube GW body

- ➤ A lot of missing information
- ➤ Chemical status:
 - northeastern Bačka and Banat – high
 - •western Bačka at risk
- ➤ Quantitative status at risk (over-abstraction)

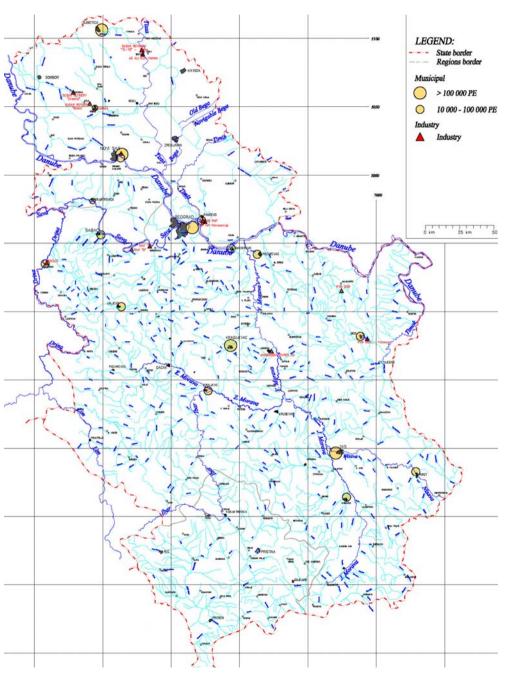
Sava GW body

➤at risk - quantitative status is endangered by over-extraction



SIGNIFICANT PRESSURES

- ➤ Lack of data national list of pollution sources n. a. yet
- >A large list of cities without WWTP
- ▶28 industrial (food industry sugar refineries, meet industry and breweries; oil refineries and thermo power plants have the biggest hydraulic load and mostly specific pollution heavy metals, oils)
- >55 municipal sources reported
- >Insufficient recipient water quality monitoring



Main activities in 2005

- Implementation of WFD on catchments 500-4000 km²
- Finalization of ground water bodies delineation and risk assesment analysis
- More detailed economic analysis
- Improvement of pressures and impact analysis (data gaps, etc.)

