

Public Seminar

30 October 2018, Lisbon

Water sector in B&H

Ministry of Foreign Trade
and Economic Relations

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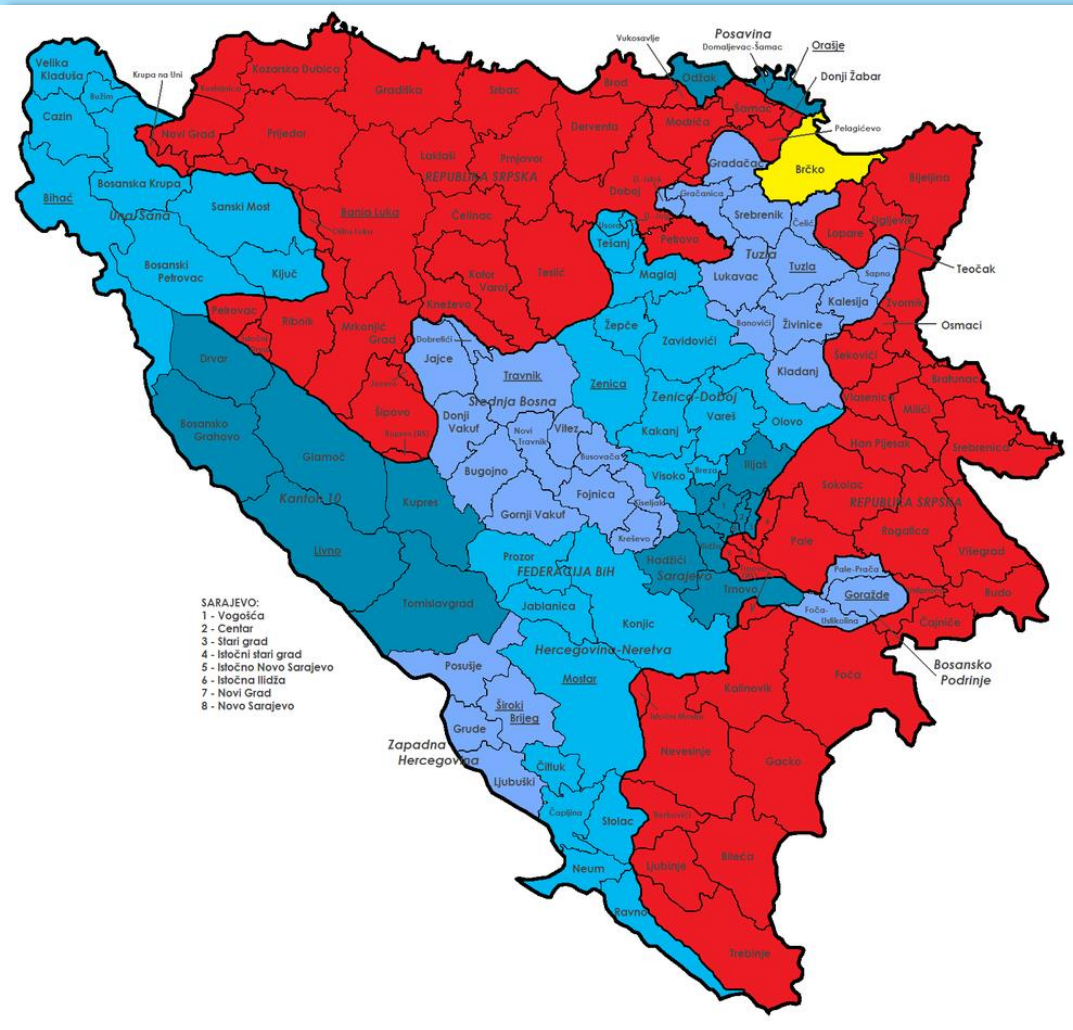
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About Bosnia and Herzegovina



Three admin. units:

- Federation of BiH (FBiH)
- 10 cantons
- Republic of Srpska (RS)
- Brčko District of BiH (BD)

Capital City: Sarajevo

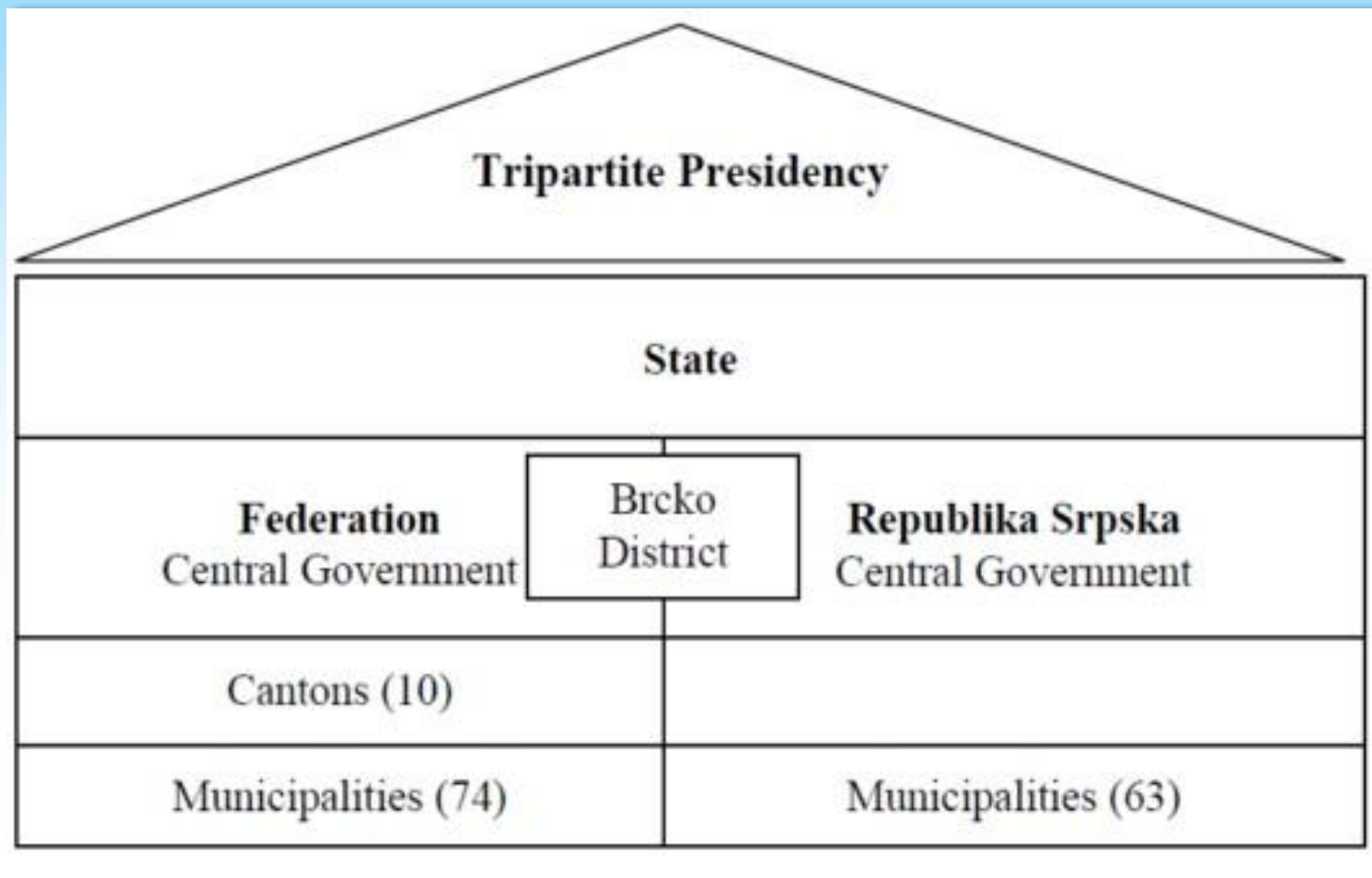
Area: 52.280 km²

Population: 3,791 mill. (2013)

Coastline: 21,2 km

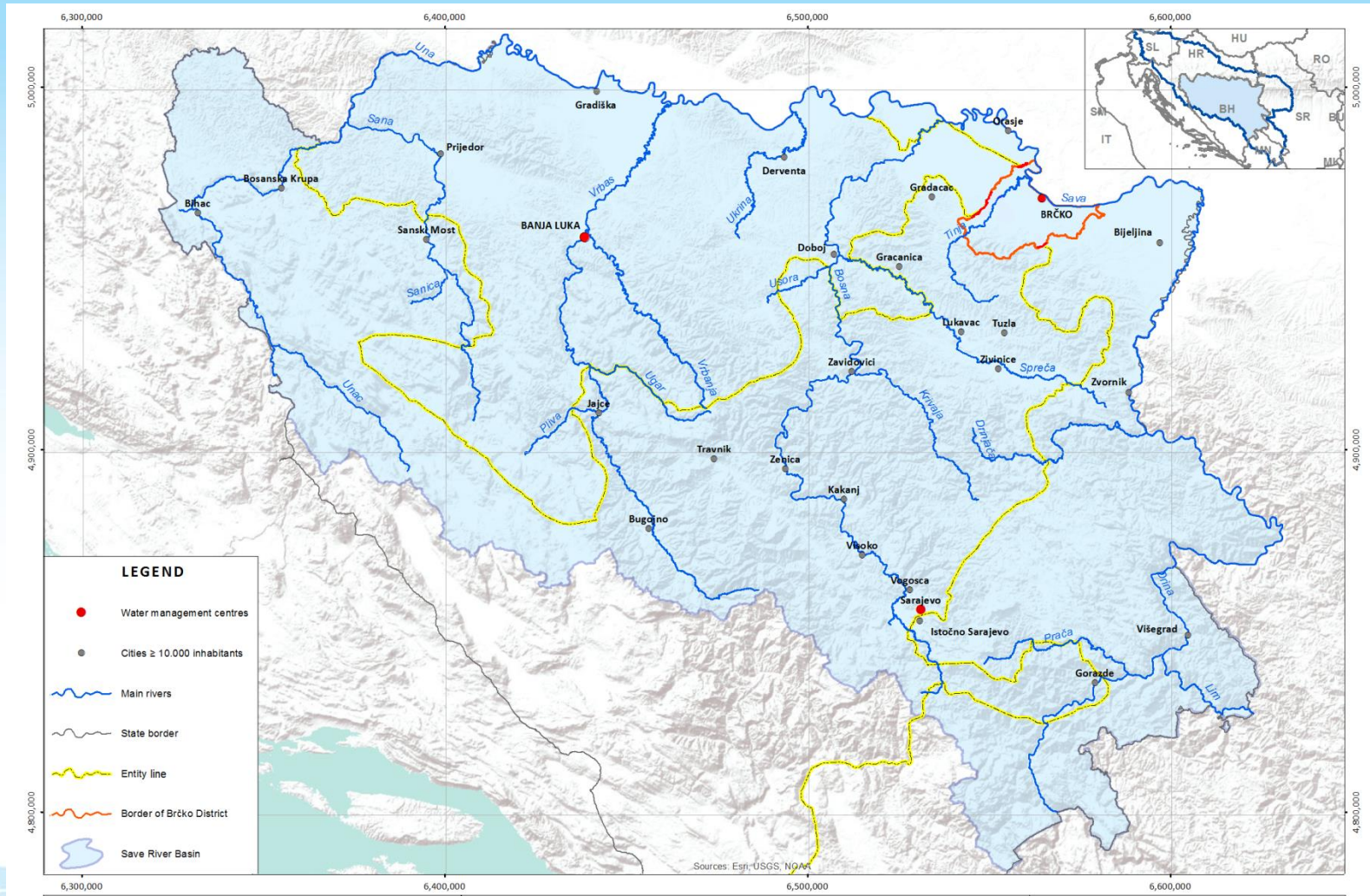
GDP/capita: 4.571 €

Governmental organisation

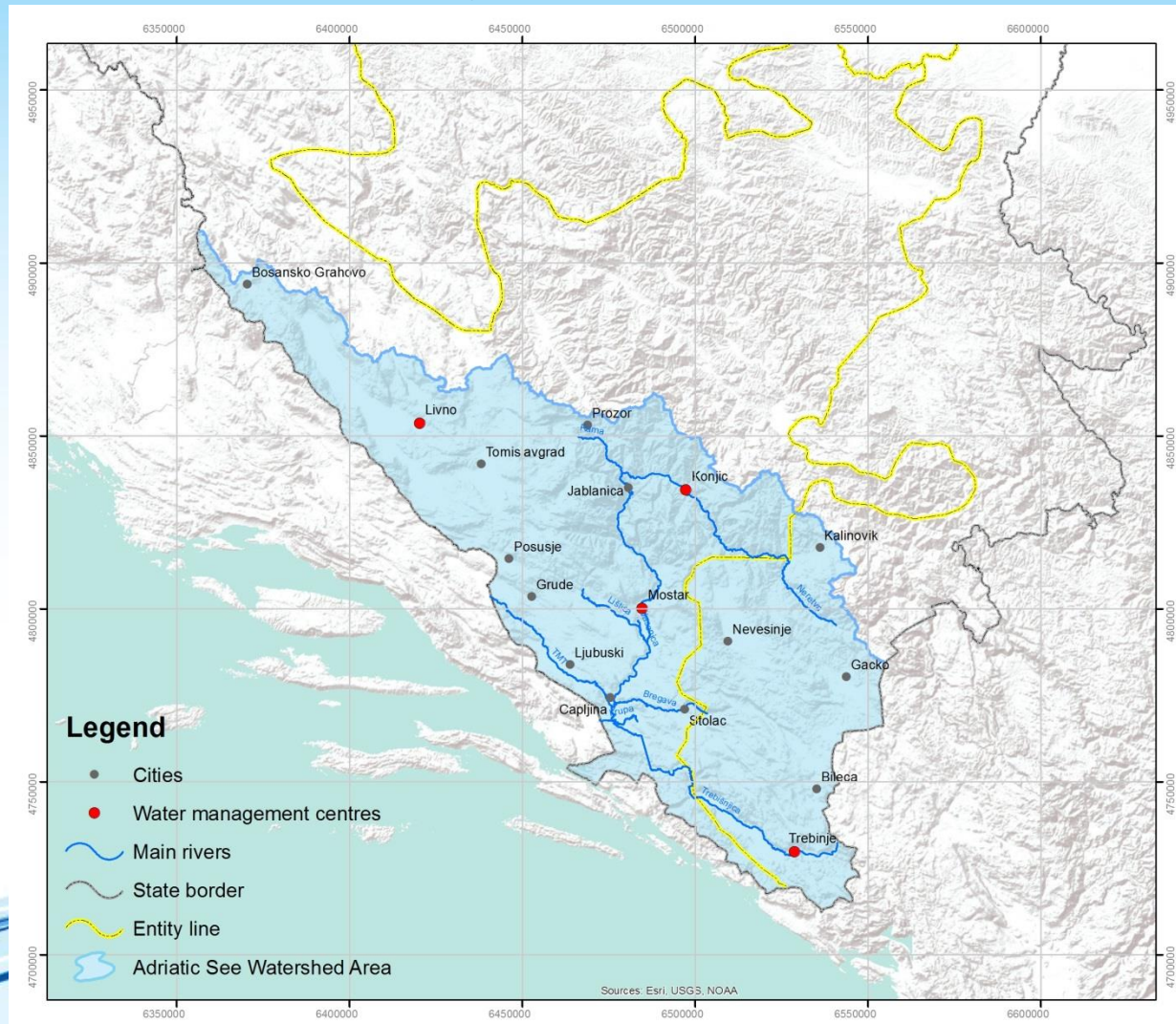


Source: DRR Team Mission Report

Sava river basin



Adriatic sea watershed area including Trebinjica river basin



Major sub-basins in B&H



Water Sector Institutional Framework

- State level
 - Ministry of Foreign Trade and Economic Relations
- Entity level
 - FBiH
 - Ministry of Agriculture, Water Management and Forestry
 - Sava River Watershed Agency Sarajevo (AVP Sava)
 - Adriatic Sea Watershed Agency Mostar (AVP JM)
 - Federal hydro-meteorological institute
 - Water inspectors
 - RS
 - Ministry of Agriculture, Forestry and Water Management
 - Public Institution “Vode Srpske”
 - Republic hydro-meteorological institute
 - Water inspectors
 - BD
 - Department for Water Management
 - Water inspectors



Strategic and Legal Framework

- **Strategic framework**

- Environmental Approximation Strategy
- Action Plan for Flood Protection and Water Management
- Climate Change Adaptation and Low Emission Development Strategy for B&H
- Water Management Strategies in FBiH and RS
- Environmental Strategies FBiH, RS and BD

- **Legal Framework**

- State Law on Council of Ministers
- Law on Waters FBiH, RS and BD
- Law on Hydro-meteorological activities FBiH, RS
- Laws on environmental protection FBiH, RS and BD



EU Accession

- Stabilization and Association Process
 - Interim Agreement on Trade and Trade Matters entered into force on 1 July 2008
 - SAA entered into force on 1 July 2015
 - Art. 108
 - Prevent further degradation and improve state of environment aiming to achieve sustainable development
 - Strengthening administrative framework, strategic planning and coordination between stakeholders,
 - Harmonisation with EU legislation
 - Strategies for significant reduction of pollution on local, regional and transboundary level
 - Environmental impact assessment and Strategic Environmental Assessment
 - Climate change
- Application for EU membership submitted on 15 February 2015
- Estimated approximation cost of DWD, UWWTD and FPD >3.5 bill.€



State of play

- Water Laws to great extent aligned with EU acquis
 - WFD, FP, UWWT, DWD...
 - Further alignment is needed
- Water permitting system in place
- Water/environmental inspectors operational
- RBM Plans adopted
 - Implementation of the Program of Measures
- PFRAs finalized
- Flood Hazard and Flood Risk Maps under development
- Monitoring network and flood forecasting capacities under development (> 5 mil. €)
- On going investments in flood protection infrastructure (>120 mil. €)
- Investments in the Water Services Sector - water supply and sanitation infrastructure (>250 mil. €)
- Cooperation considerably improved



Key challenges I

- Harmonisation with EU legislation
 - Further intervention on legal framework needed
- Institutional capacities, coordination and cooperation
 - Internal capacities to be developed
 - Coordination and cooperation between different levels of authorities
- Financing of the water sector
 - Water fees to be reanalysed
- Cross sectoral and transboundary cooperation
 - Energy, agriculture, industry, tourism...



Key challenges II

- Water quality
 - Urban and industrial wastewater
 - Solid waste management
 - Agricultural
 - Hydro-morphological alternations
 - Monitoring system



Key challenges III

- Floods and drought management
 - FRMPs to be adopted
 - Implementation of structural and non-structural measures
 - Flood protection infrastructure
 - Hydro-meteorological network
 - Flood forecasting and early warning tools
 - Preparedness
 - Insurance policy to be introduced
 - Water scarcity would be more and more relevant







Key challenges IV

- Water services (water supply and sanitation)
 - Water supply coverage 71% (48% regularly controlled)
 - Wastewater coverage 40% (less than 20% treated)
 - Further investments in infrastructure
 - Financing mechanisms
 - Reduce non-revenue water
 - Improve asset management
 - Increase efficiency
 - Introduce cost reflective tariff system
 - Ensure long-term sustainability



International multilateral cooperation I

- Agenda 2030
 - SDG 6
- UN Water Convention
- Protocol on Water and Health
- Barcelona Convention
- Espoo Convention
 - SEA Protocol
- Aarhus Convention



International multilateral cooperation II

- Convention on Danube River Protection 2006

- 14 countries + EC
- Population 81 mil.
- ICPDR operational
- 2nd RBMP adopted
- 1st FRMP adopted
- AEWS in place
- Joint Danube Survey
- Sturgeon conservation
- Policy guidelines



International multilateral cooperation III

- Framework Agreement on the Sava River Basin 2002
 - B&H, Croatia, Serbia, Slovenia + Montenegro
 - Sava Commission operational
 - Protocols on Flood Protection, Sediment Management, Emergency Situation
 - 1st RBMP adopted
 - 1st FRMP under develop.
 - Sava GIS and Sava HIS
 - FFEWS developed



International bilateral cooperation



- **Croatia**
 - Water management cooperation 1996
 - Management of cross-border water supply systems 2015
 - Bilateral Commission operational
- **Serbia and Montenegro**
 - Agreements under development
- **Netherlands**
 - MoU on cooperation



Ongoing and future projects I

- IPA 2014 (flood protection infrastructure, monitoring network, FFHS for the Bosna River Basin)
- IPA 2016 (FRMPs and preparation of relevant technical documentation)
- WBIF – flood hazard and flood risk mapping
- Vrbas project – GEF/UNDP (monitoring network, flood hazard and risk mapping in the Vrbas river basin, flood forecasting, CC adaptation planning, municipal intervention for flood preparedness, support to civil protections, development of the flood insurance mechanisms)
- UNDP MEG and Goal Wash (Regulatory framework for water services)
- EIB, EBRD, KfW loans and grant support for water supply and sanitation infrastructure
- EIB and WB loans for flood protection infrastructure
- IPA 2018 and 2020 to further support to water services sector (infrastructure and soft measures)
- GCF adaptation to climate change



Ongoing and future projects II

Regional level

- Joint FFS and EWS in the Sava river Basin and FRMP
- GEF-SCCF Support to water management in the Drina River Basin (B&H, SRB and MNE – SAP, Flood Forecasting and EWS, monitoring network, data management...)
- Dinaric Karst Transboundary Aquifer System – DIKTAS
- Hydro morphology in Danube basin
- NEXUS assessment of the Sava and Drina river Basins
- WB Sava Drina corridor



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Thank you for your attention

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