



WATER RESOURCES IN BOSNIA AND HERZEGOVINA



Water resources in BiH

Climate: Located at the western Balkan peninsula, Bosnia and Herzegovina is characterised by three types of climate: at North mostly moderate continental, Alpine in central parts and at South has a Mediterranean-type climate. Mean annual precipitation of 1.250 l/m, places BiH as rich in water resources compared to the European average of 1.000 l/m.

Surface waters: Inland run-off is around 1.155 m³/s with 722 m³/s being discharged into the Danube river basin and 433 m³/s into the Adriatic Sea basin.

Ground waters: The huge karst zones, especially in the Adriatic Sea basin, have large ground hydrological retention potential.



Monitoring:

Surface waters: at present 134 hydrological stations are active, out of which 119 automatic stations.

Groundwater: the quality of groundwater is monitored only in areas where water is abstracted for the public water supply.

Reporting:

Water agencies in BiH submit data of surface water quality to the Federal Hydrometeorology Institute in Sarajevo, the focal point for BiH to the EIONET. Agency for Statistics of Bosnia and Herzegovina collects data on water abstraction and use. It submits data for JQIW to Eurostat, UNSD and reports to other international counterparts as well, following obligations prescribed by the Law on Statistics of BiH.

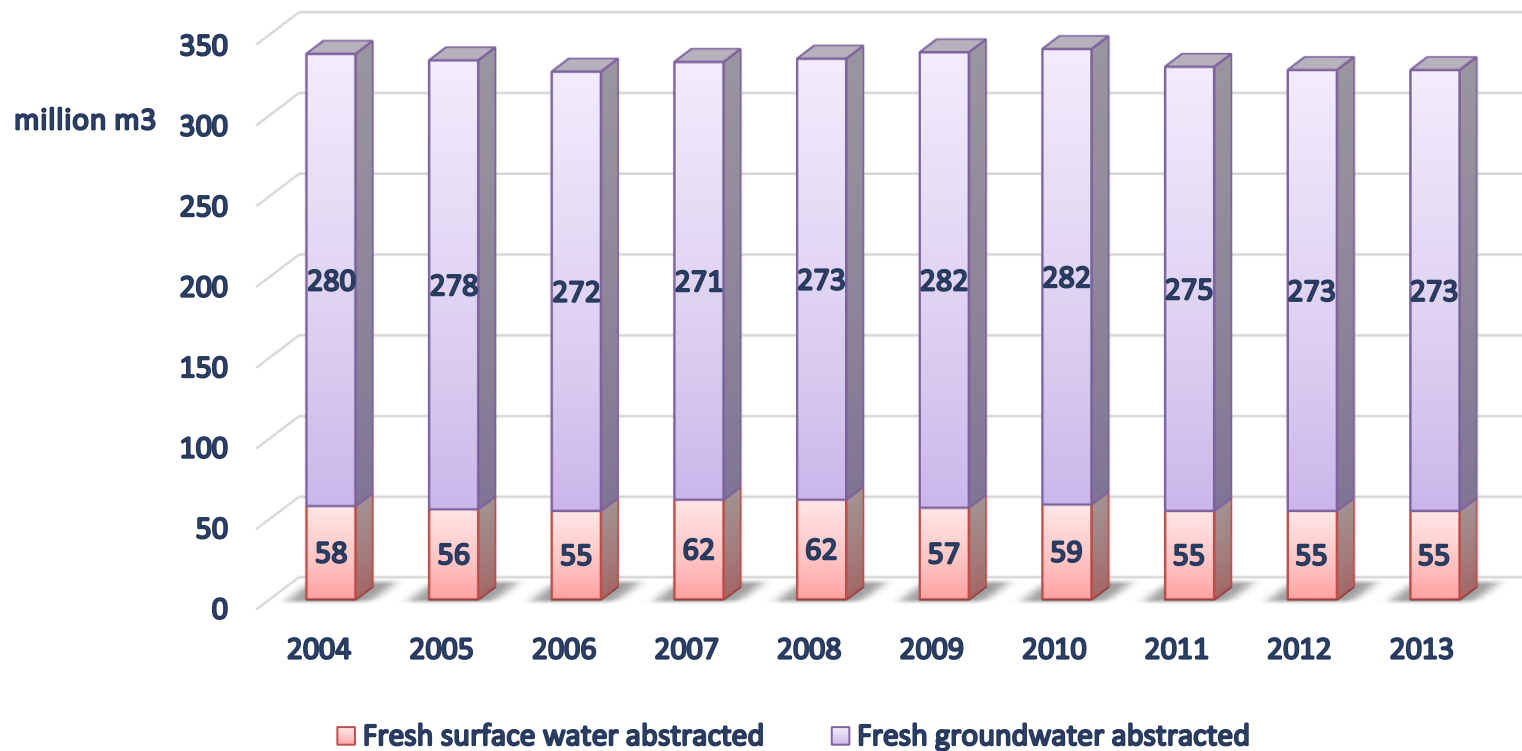


WATER ABSTRACTION AND USE IN BOSNIA AND HERZEGOVINA

BOSNIA AND HERZEGOVINA
WATER ABSTRACTION AND USE IN

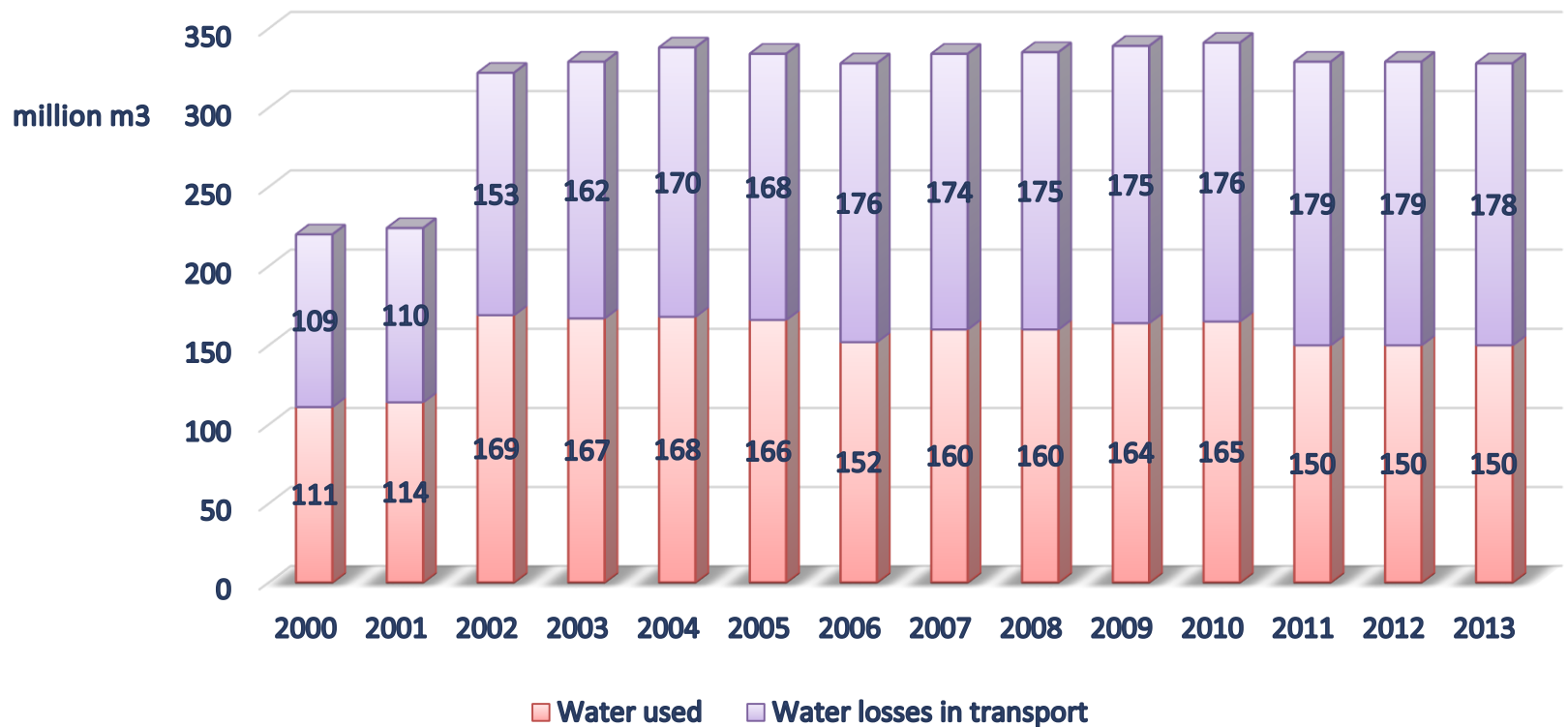
Freshwater abstraction in BiH

- Freshwater abstraction: existing series from 2004 (start of Agency for statistics of Bosnia and Herzegovina work) for both surface and groundwater.
- Water supply industry (ISIC 36)
- Households
- Agriculture, forestry and fishing (ISIC 01-03)
- Manufacturing (ISIC 10-33)
- Electricity industry (ISIC 351)
- Other economic activities



Total water use in BiH

- Freshwater abstracted: existing series from 2000
- Desalinated water
- Reused water
- Imports of water
- Exports of water
- Losses



Data quality

Methodology applied

- Two statistical surveys conducted by the Agency for Statistics of Bosnia and Herzegovina:
 1. Water Abstraction and Water Use for Households and
 2. Water Abstraction and Water Use for Industry
- Full coverage of all water supply industry and partial for industry – still work needed to enlarge the scope to all NACE categories.

Data sources

For the first Q. more than 140 municipal water supply companies and for the second Q. industry companies with 10 and more employees belonging to NACE B, C and D.

Data quality

There is constant process of improving data. Some of the recent efforts:

Swedish International Development Agency and Agency for statistics of BiH together with relevant counterparts have organized a series of short work meetings with representatives of communal water supply companies and major industry reporting units.

Result: improved set of water questionnaires and common understanding of terms / vocabulary used for questionnaires and guidelines.

Another source of assistance in this regard were UBA experts, funded by IPA, who conducted a relevant survey for internationally (i.e. Eurostat - JQIW) required water data and provided a workshop for statistical staff in BiH explaining the needs for quality reporting and use of water data from an international point of view.

Result: additional tables of JQIW filled and submitted to Eurostat accordingly.



Agency for Statistics of Bosnia and Herzegovina

Environment, Energy and Regional Statistics
Department

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