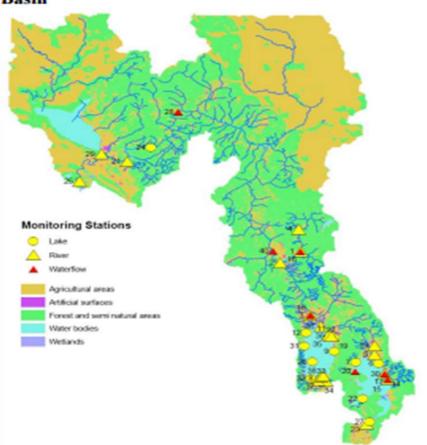


The "connecting agent" of the hydrological system in the South Western Balkan Peninsula

Figure 1: Land-cover in the "extended" Drin River Basin



Note: the map shows also the stations for surface water quality and quantity used for the DRIMPOL project – more information in Annex 5.

Source: Borgvang S. et al., 2008

Figure 2: The Albanian Drin River Basin



Source: Hoxha, Hasa, 2008

General features



General features

The topography



(mean average height of 971 m above the sea level) Zadrima, Dajci, Velipoja

The basin covers an area of 8,200 km2

The average annual flow of Drin in its estuary is 350 m3 /sec

▶ The Drin is 285 km long with a catchment area of 19,582 km²

Hydroelectricity production

- In Albania three hydropower plants are installed: the Vau I Dejes, the Fierza, and the Koman hydropower plant
- ▶ In total 1350 MW- 85 percent of hydropower

- Two major dams and associated reservoirs (Globochica and Spilja) have been constructed in
- the Black Drin at FYR Macedonia with the main purpose of hydroelectric power generation.

Pressures and Impacts

Construction of the dams coastal erosion, disturbances to the ecosystems



Pressures and Impacts

- Heavy metal pollution (iron, copper and other) ---> discharge of waste water, the leaching of "inert" materials
- Unsustainable agricultural practices and inefficient irrigation systems ---> increase of non-point pollution (nutrient and pesticide) and erosion
- Nitrogen and phosphorus in the river system derived from agriculture
- Unsustainable management of domestic liquid and solid waste
- High erosion in the Drin basin, land degradation, flooding etc

Because of:

Poor management practices

Weak institutional structures

Lack of regulation and law enforcement

Lack of a comprehensive common vision for management of the basin

Recommended priority actions

- A water balance for the entire River watershed is needed in order to develop a rational basis and scenarios for water allocation decisions
- Approval of laws and regulations for water users and suppliers in harmony with EU laws and regulations
- Approval of strategic plans in emergency cases
- Public awareness and education for the rational use of water resources
- Monitoring of water quality and quantity
- Extension of the sewage system in urban and rural areas
- Increasing the number of wastewater treatment plants

References

- Drin River Sub-basin TWRM-Med
- Drin Core Group Memorandum of Understanding for the Management of the Drin Basin
- Draft Status Report Management of the "extended"
 Transboundary Drin Basin (Athens, 2008)

