

09/29/2011

## PROJECT PROPOSAL

**Course:** GIS in Water Resources

**Instructor:** Dr. David Maidment

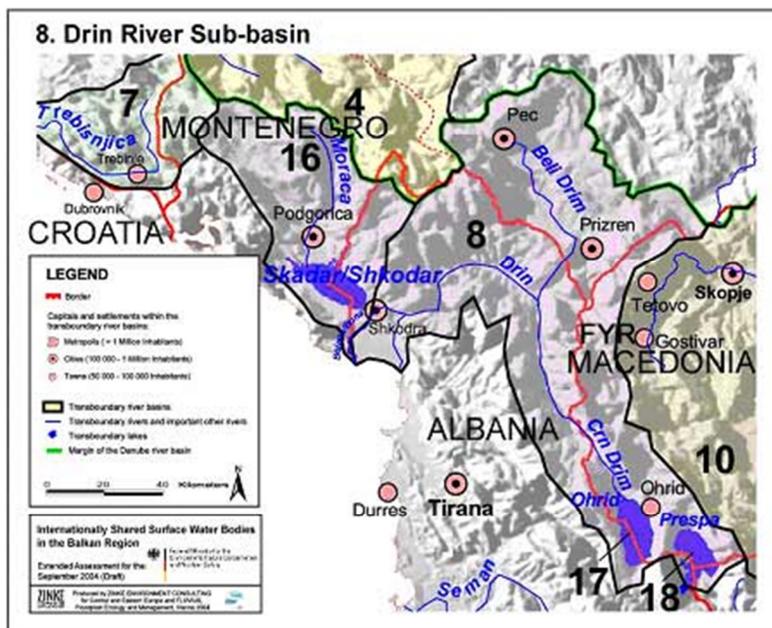
**Student:** Elisabeta Poci

### Hydrology of Water Resources in Albania, with a focus on Drini River Basin

#### Objective:

The overall objective of this project is to explore and provide a general introduction of the hydrology of surface waters in Albania using the ARCGIS tools. The project will be focused more specifically in providing digital information about the Drin river basin.

The Drin river basin is the largest and the most important river of Albania and it's a shared basin between Albania, Kosova and FYR Macedonia.



Source: Website of Transboundary Water Information Exchange Network for South Eastern Europe

The project will use data to provide a digital information related to the monthly and annual flow of the river, rainfall, the river water balance, and a flood flow analysis.

#### Sources:

The sources which will be used to carry out this project will be initially from HydroSheds (<http://hydrosheds.cr.usgs.gov/>) and the ESRI global topographic basemap. Further the project will use hydrological data and hydro statistics from the Hydrometeorological Institute in Albania, as well as data used in previous studies about the Drin river basin.