



## **Rivers from above – Water Resources Management with Remote Sensing Data**

V. Hochschild

Department of Geography, University of Tuebingen, Germany

In Water Resources Management, Remote Sensing Data is used for the parameterization of hydrological Precipitation-Runoff-Models. Apart from others, Digital Elevation Models, hydrological relevant land cover classifications or biophysical parameters like LAI are derived from air- or spaceborne data. Examples from Germany (River Ilm in Thuringia), Europe (Flumendosa on Sardinia, Tisza in Hungary) and Southern Africa (Limpopo, Mkomazi, Mbuluzi und Mupfure) make this evident. Simulations with different input parameters enable prognostic statements for environmental administrations. The examples contain optical and microwave sensors evaluations and will finally assess remote sensing methods as input or validation tool for hydrological models.