



HBV light - A conceptual runoff model for teaching in hydrology

Jan Seibert

Stockholm University, Department of Physical Geography and Quaternary Geology,
jan.seibert@natgeo.su.se

The HBV model is a widely used conceptual model developed at SMHI in Sweden. It has been used in many countries and exists in different version. The version presented here, HBV light, is user-friendly and, thus, especially useful for teaching purposes. For basic hydrology courses the model can be used to demonstrate interaction between different hydrological variables. In more advanced modelling course issues like model calibration and uncertainty estimation. Together with the model software possible exercises are presented. Theses range from simple calibration exercises to the analysis of land-use changes, calculation of design floods and uncertainty estimation.