

Integrated Hydrological Models for Integrated River Basin Management

TAKEUCHI KUNIYOSHI

University of Yamanashi

An exciting part of PUB is in its aim as a needs-driven hydrological science. In Asia and the Pacific, there are a large number of basins ungaged or poorly gaged preventing from improved river basin management. University of Yamanashi Distributed Hydrological Model YHyM is developed to deliver the most practicable science to such basins. It is a meteorology-hydrology-water resource systems integrated simulation model. The initial estimates are deliverable using only the globally unanimously available information. The accuracy improves with additional ground observations. The human intervention data are same. It will be estimated from the default statistics available that will be improved with local observations. In the presentation, reported will be some application examples in the Mekong and the Yellow basins and the UY efforts of capacity building to make the model use available to whomever and wherever it is needed.