

Advances in distributed hydrological modelling in China

YINKANG ZHOU, SHENMIN WANG, LIPING WANG, XIAOBIN JIN & DU JINKANG

Department of Urban & Resources, Nanjing University, Nanjing 210093, China
drzhyk@nju.edu.cn

Abstract Based on an analysis of the structure and types of distributed hydrological models, the present paper discusses the progress of distributed hydrological modelling research in China, especially the aspects of rainfall–runoff simulation, application to macro-scale basins, water resources management, hydrological response in LUCC and visualization of hydrological processes. Several key problems and perspectives of distributed hydrological modelling are proposed.

Key words distributed hydrological model; GIS; DEM; China
