

Developing Strategy of Eco-hydrology in China

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China is one of developing countries with higher eco-environmental press due to its large population and socio-economic development. Water is not only the sources for life, but also the key for production, and the foundation for eco-system.

Since 2012, Chinese Government emphasize the strategy for ecological civilization construction, new demands and opportunities to develop Eco-Hydrology were provided in China. In fact, Eco-hydrology becomes a fundamental and also an applied sciences related to describe the hydrologic mechanisms that underlie ecologic patterns and processes. This paper addresses the issue of Eco-hydrology Developing Strategy in China, supported by Chinese Academy of Sciences (CAS). Major contents include four aspects, namely: (1) Demands and frontier of eco-hydrology in the world; (2) Major theories and approaches of Eco-hydrology; (3) Perspective of future development on Eco-hydrology; (4) Enacting and proposal for China development strategy on Eco-hydrology. Application fields involves urban, rural area, wetland, river & lake, forest and special regions in China, such as the arid and semi-arid region and so on. The goal is to promote the disciplinary development of eco-hydrology, and serve for national demands on ecological civilization construction in China.

Key Words: Eco-hydrology, Disciplinary development, Strategy, Application