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Abstract: Ecohydrology is an integrative systemic approach for reversing of the river basin degradation by regulation of hydrological and ecological processes. The use of understanding of interplay between hydrology and biota, especially to minimize floods and various types of pollution has to be harmonized with hydrotechnical infrastructure. The control of nutrients and pollutants in freshwater ecosystem by EH measures provides also an opportunity to maximize water availability and ecosystem services for society such as bioenergy, fisheries, recreation. The case studies presented during Symposium indicate that the development and implementation of Ecohydrology as a new tool in Integrated River Basin. Management has been dependent to great extent on society involvement. On the other hand as the major factor rising environmental consciousness of society, the increasing availability of ecosystem services has been identified. Consequently the key condition of basin scale implementation of EH should be the rule 'Ecosystem services first'. Above conclusion imply the urgent need for improvement of predictive potential the processes and its socio-economic effects in the basin scale. This can be achieved by progress and development of ongoing projects at demo sties and the identification of the new aspects of Ecohydrology by special interdisciplinary task forces organized within the framework of cooperation with international organizations: MAB; HELP-FRIEND; SIL; EIFAC FAO; GEMS WATER; UNEP-ITC; Water for Life.

Other author's publications:

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