

SEAG-Symposium, 27.-31.8.2001, Los Baños, The Philippines

“Resource Management:

Private-Public Partnership and Knowledge Sharing”

Based on Marketing Economic Mechanism Sustainable Water

Resources Management in China *

LIU Guang-quan^{1,2} WANG Hao¹ QIN Da-yong¹ WANG Jian-hua¹

(1.Department of Water Resources, China Institute of Water Resources and Hydropower Research, Beijing, 100044, China; 2.Forestry College, Northwest Sci & Tech University of Agriculture & Forestry, Yangling 712100, Shaanxi, China)

Abstract

The average perennial precipitation depth in China is only 648 millimeters and total precipitation of 6.19 trillion cubic meters, but it's distribution is much uneven not in time but in space. China's water resources per capita in 1993 were only 2340 cubic meters and equaled to one fourth of the whole worlds, so china belongs to the country of water resources shortage. Now China is confronted with the crises of flood, drought, water resources shortage and the environmental pollution. To resolve the problems, the existing water price must be reformed to found the new system of the marketing economic mechanism in China. From the view of the water macro-ecosystem, the comprehensive policies and strategies for water resources management by the lever of water price should be took into practice, for example, exploiting the potential of water resources, inducing expenditure, scientifically protecting and utilizing water resources, in order to come true the basic balance of water resources between supply and need and guarantee the sustainable co-development among population, resources, environment, society and economies in China.

Keywords: China, Water resources, Water price, Marketing mechanism

* Supported by China's State Key Basic Projects on Research Developing and Programming (G1999043602)
Assoc. Prof. Dr. LIU Guang-quan, phone: +86-10-68469761, fax: +86-10-68483367, E-mail: gqliu@iwhr.com