

## WATER SECURITY IN NORTH CHINA AND COUNTERMEASURE TO CLIMATE CHANGE AND HUMAN ACTIVITY

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This paper addresses these emergent issues by the case study of Haihe River Basin in North China. The new advantage on water international study and background of causing these problems from natural change and particular human activity are analyzed. Key points are addressed as four aspects: the study of the water cycle process impacted by climate change and high intensity human activity, water utilization related to new economic partner change, such as saving water model, study on eco-hydrology, and interaction of water and ecology impacted by climate change and human activity, reasonable water allocation that including Water Diversion from South to North and saving water issue in local areas.

Several suggestions of both study on the water cycle, which is a very important base of water security in North China, and application study of water resources and eco-environmental rehabilitation are proposed. These key issues will benefit to both advantage of water science and sustainable developing in China.

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