

Researching impact of climate change and economic development  
on the water supply deficit of Dong Quan reservoir, Ha Noi  
Capital, Viet Nam

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ABSTRACT:

In recent decades, climate change phenomenon has developed towards critical tendency and increased in both frequency, intensity and time which causes catastrophic damage in both people and property, especially in the field of agriculture and water resources. At the current, some researches in the world and Viet Nam studies on climate change impacts on the water resources sectors. Results of scientists' studies showed that climate change will seriously impact productivity, livelihoods and the environment on a global scale; especially large flood phenomena increasingly developing in intensity, drought more violently occurring in a long time. In recent years, the shortage of water supply for economic activity has started to happen with quite serious degree at the Viet Nam, especially in the northern provinces of Viet Nam.

**Keywords:** Climate change, water demand, water balance, reservoir, scenario.