

RESEARCH METHODS TO ASSESS THE IMPACT OF CLIMATE CHANGE ON WATER RESOURCES

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ABSTRACT

The impacts of climate change on water availability and water quality can affect many sectors, including energy production, infrastructure, human health, agriculture, and ecosystems. This paper deals with research methods to study the impact of climate change on water resources. It outlines the application of expert Judgment method, analogue models, predictive models, process based models, assessment of autonomous and planned adaptation, socioeconomic impacts, assessment of water demand impacts, demand under climate change conditions, economic assessment methods and assessment of autonomous and planned adaptation towards studying the impact of climate change on water resources. This paper concludes with some interesting findings along with policy suggestions.

KEYWORDS: climate change, water resources, energy production, infrastructure, human health, agriculture,