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Abstract Title:

THEORETICAL ANALYSIS OF THE INTERDEPENDENCE OF WATER RESOURCE MANAGEMENT, CLIMATE CHANGE, FOOD SECURITY AND SUSTAINABLE DEVELOPMENT IN SUB-SAHARAN AFRICA.

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Abstract

By scientific logic, the state of food security can be said to exist if all people or a considerable number of the population has reliable access to sufficient, safe and nutritious food to be able to lead a healthy life within a country. Poor water resource management coupled by unsustainable development in most sub-Saharan Africa countries impacts heavily on food security, generating hunger, poverty and chronic disease in a majority of African people. New natural phenomena as climate change are immensely adding on to food security, water resources and sustainable development problems being faced by sub-Saharan Africa and other countries across the world. Climate change is intertwined in all three aspects. Sustainable development can be viewed as an adaptive measure to deal with climate change issues so is water resource management. In the face of changing ecological characteristics of countries there is need to build more resilient food systems in the light of expected and unexpected climatic changes ahead. The paper employs secondary data, comparative and descriptive analysis. Climate change is evidently a global experience and is not region specific. Major findings of the study constitute the existence of inter-linkages between water; climate, food and development prompting the need to efficiently initiate the sustainable use and management of available resources. Climate change has results which can be felt continentally. In light of water shortages due to reduced rainfall received there is need to promote water resource management. Sustainable development coupled with appropriate water resource management practices can help to maintain the available water resources, lessen the burden caused by climate change on agriculture which spills on to food insecurity. In conclusion the study recommends that to achieve positive results there is need to alter human systems in response to climate change, food security, and development and water resource management.

Keywords — *climate change, food security, water resource management, sustainable development*

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