

## Climate Change: Effects and Adaptive Measures in Africa

**Onada, Olawale**

Ph.D Student, University of Ibadan, Ibadan, Nigeria, Nigeria, onadaolawale@gmail.com

Climate change has constituted a global menace to standard of living in many countries of the world. Africa continent are among the most susceptible to climate change impact. In order to ensure environmental sustainability, food security and socioeconomic growth in this region, strategic mitigation and adaptation to climate change impacts needs to be employed. This review paper highlights on climate change impact and adaptation in Africa.

Prolonged and intensified droughts has been recorded in Eastern Africa; unprecedented floods in Western Africa; depletion of rain forests in Equatorial Africa and an increase in ocean acidity around Africa's southern coast.

Temporal migration pattern has been adopted in Sudan and Ethiopia as a way to adapt to recurrent drought; most western part of Africa have adapted to flood by building houses on stilts. Also, crops biotechnology developments have been applied to increase Agriculture production in many parts of Africa. However, the level of adaptation has not kept pace with the rate of climate change effects; boosting adaptive capacity will build climate change-resilient livelihoods. This will require substantial investment in: income diversification, disaster-risk management and effective extension services among others.

Climate change will have significant impacts on communities and livelihood. Boosting adaptive capacity of the vulnerable group in response to climate change will help to safeguard sustainable development and food security improvement of their population.