



Climatic Change And Climatic Justice

44. Popatlal



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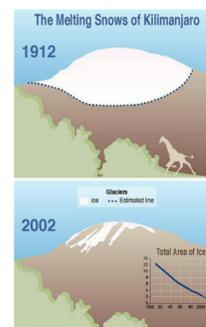
Introduction:

Climate is the general atmospheric weather condition in an area over a long period of time. Climate change is the rapid change in the atmosphere at a certain place .it may be a change in average condition or more extreme weather events like humidity, temperature, wind, rainfall, snow.

The climate plays such a major part in our planet's environmental system that even minor changes have impacts that are large and complex .Climate change affects people and nature in countless ways and it often increases threats that have already put pressure on the environment. Also climate change has Serious major and unpredictable effects on our country Tanzania, affect wide areas in different sectors and aspects like water system, including droughts and flooding this will become more common causing displacement conflict and less fresh water means less agriculture, food and income in the society at large. By having these climatological changes it affects our country Socially, Economically and Environmentally.

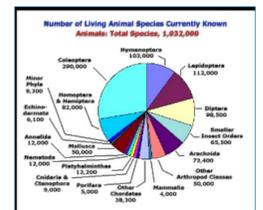
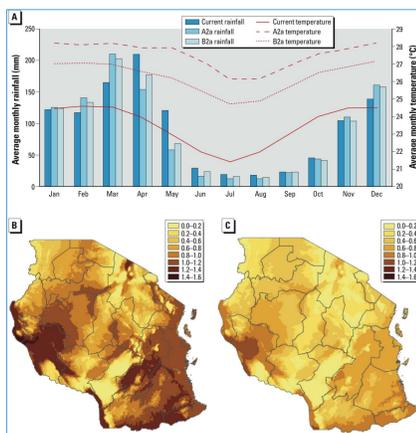
KILIMANJARO MOUNTAIN: the largest mountain in Africa located in Moshi, Kilimanjaro glaciers and snow cover have been retreating 58% of glacier loss in the last 50 years. Debate over past and current climate change and ice cap coverage, however, Persists. Over the 20th century the spatial extent of kilimanjaro ice fields decreased by 83% .its suggested by some that if current climatological conditions persists, the remaining ice feilds are likely to disappear between 2015 and 2020 for the first time in 11000 years mnt. kilimanjaro will no longer be having ice cap cover.

DESTRUCTION OF CORAL REEFS: Coral bleaching due to thermal and environmental stress threatens coral reefs and possibly people who rely on their resources. Here we explore patterns of coral bleaching and mortality in East Africa in 1998 and 2005 in a region where the equatorial climate. A variety of temperature statistics were calculated, and their relationships with the degree-heating months (DHM), a good predictor of coral bleaching, determined.



Results:

UN-DEVELOPMENT ACCELERATION: Tanzania is suffering due to un development thus, poverty. due to various reasons such as global warming which is caused from the Depletion (destruction)of the ozone layer which is caused by the green house gasses due to the increase of water vapor, methane, carbon dioxide(co2),nitrous oxide, halocarbons, emission from the burning of fossils such as fuels and de-forestation which refers to the cutting down of trees accompanied by other human activities such as Agriculture and Mining which leads to terrestrial pollution hence, global warming the increase in temperature led to drought and dry seasons which affect Agriculture production and annual crop cultivation of Tanzania. the amount of crops we produced during the pre-colonial and colonial period was much more bigger compared to the crop we produce today, due to drought and floods causing crop failure, and less food accessibility and food system's stability.



Conclusions:

CONCLUSION: conclusively, climate change has been keeping lives in threat and great danger and also loss of many lives. we should struggle and cooperate for the justice of climate as a vision to dissolve and alleviate the unequal burdens created by climate change hence, sustain the environment and use it in a respectable and appropriate way so as to avoid un-favorable climate change in our country Tanzania. 'WE SHOULD PROTECT THE ENVIROMENT SO AS IT CAN PROTECT US'.

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References:

Bob Mc Duell sec. Chemistry book 3,4., William .A. Andrews introductory science, Hulme. M, Doherty new M (global warming and African climate change, author: Jackson Evans, Earth science, scott foresman scine book.

Websites :[http://economics-of-cc-m-Tanzania.org/project overview.htm/](http://economics-of-cc-m-Tanzania.org/project%20overview.htm/)
:<http://wardwellpetrice.blogspot.com/2012/13/weathering.htm/>
:[http://www.Tanzania climate actionnet.co.tz/climate change in Tanzania.](http://www.Tanzania%20climate%20actionnet.co.tz/climate%20change%20in%20Tanzania.)

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