













Mount Kilimanjaro: 90% loss of ice cover Loss of 13000ha of montane forest





East Africa: increased frequency of drought over last 20 years



Lake Tanganyika: declining fish catches



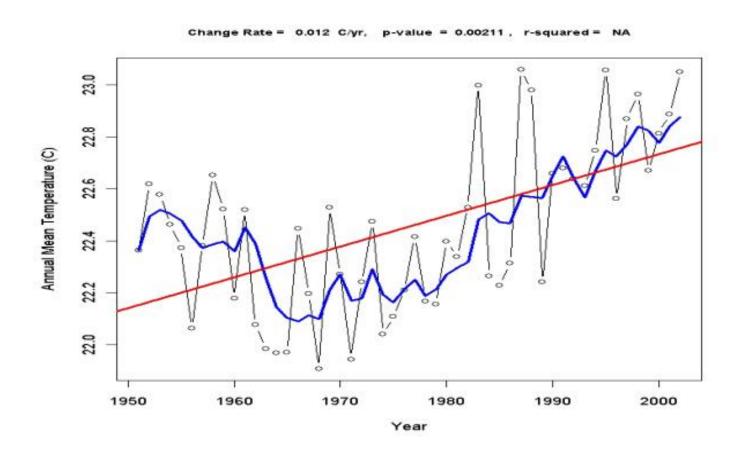
Kenya: decline of birds in mountainous regions



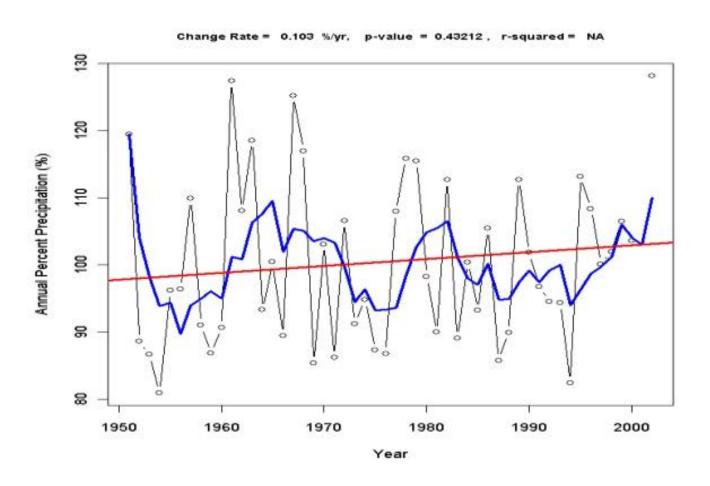




## Average yearly temperature since 1950s

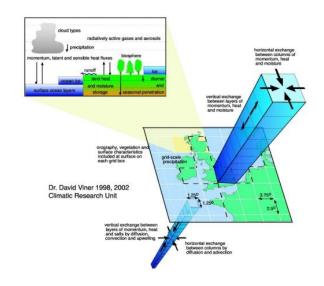


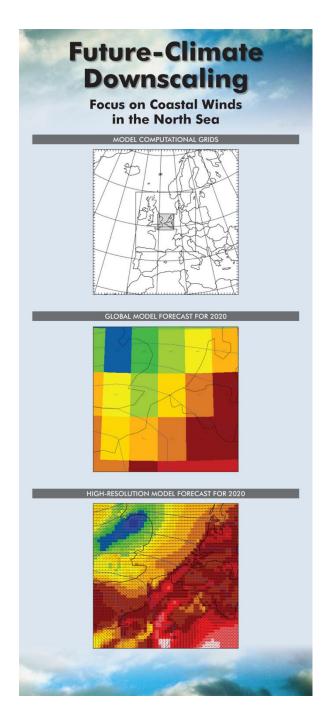
# Average yearly rainfall since 1950s



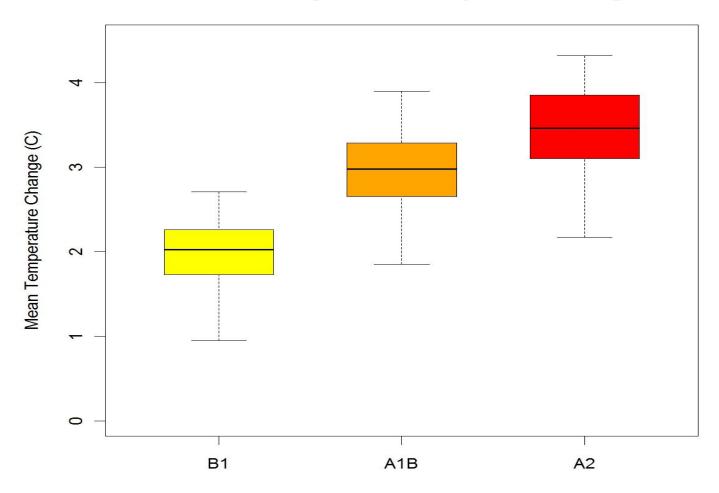
## **Future Climate Projections**

 Use information about historical climate and statistical techniques to interpolate to finer spatial scale.

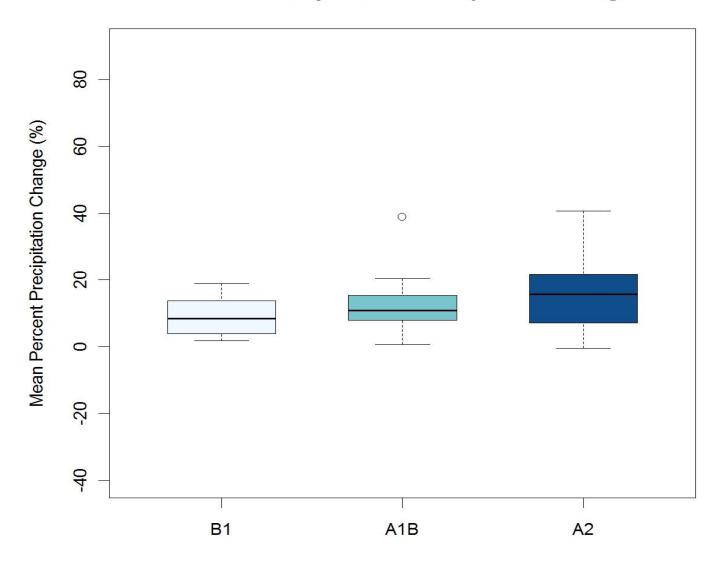




**End-of-Century: Annual Temperature Change** 



### **End-of-Century: Annual Precipitation Change**



## Synthesis of Climate Forecasts

- Temperatures will continue to rise, across all seasons
- Annual rainfall may not vary, but we will see changes in frequency, intensity & predictability
- Wet seasons will become wetter; dry seasons will become drier
- Despite increased rainfall, it will become more arid







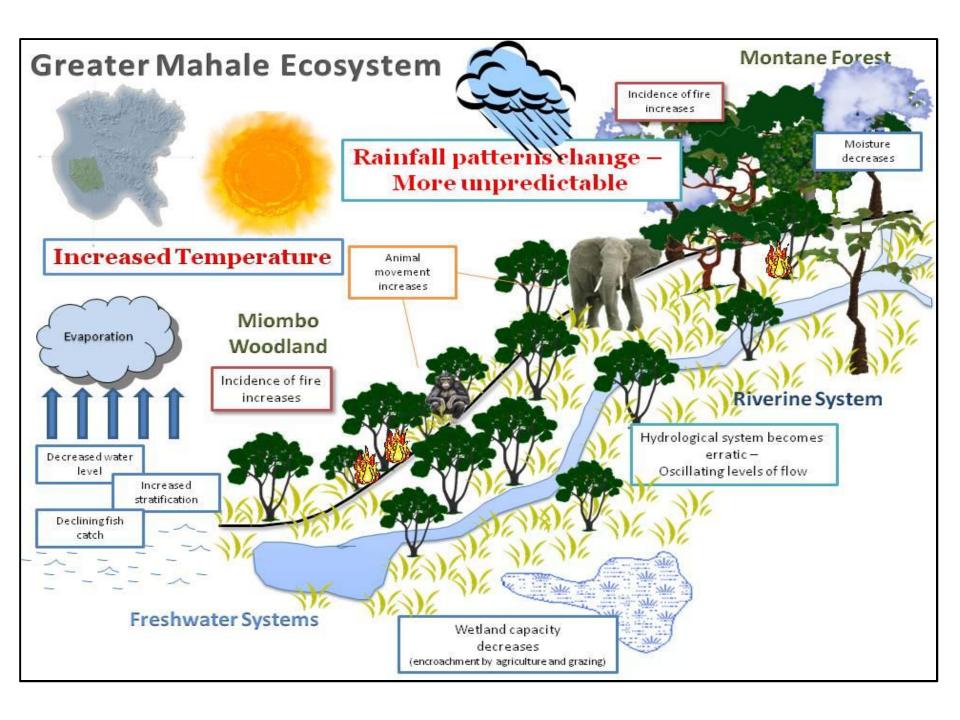
























#### UNITED REPUBLIC OF TANZANIA

NATIONAL ADAPTATION PROGRAMME OF ACTION (NAPA).



VICE PRESIDENT'S OFFICE,

Division of Environment, January 2007

