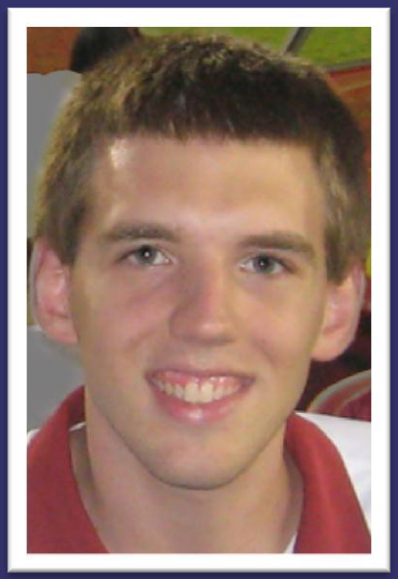
Design and Justification of a Forecasting Network in Equatorial Africa

The Team



Kevin Burns

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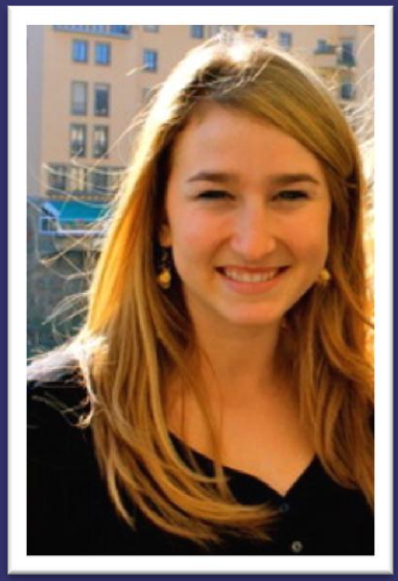

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Purpose

- To design and justify an effective weather forecasting and climate-monitoring network for the region of equatorial Africa (between 10N and 10S)

Region is roughly the same area size and population as the United States

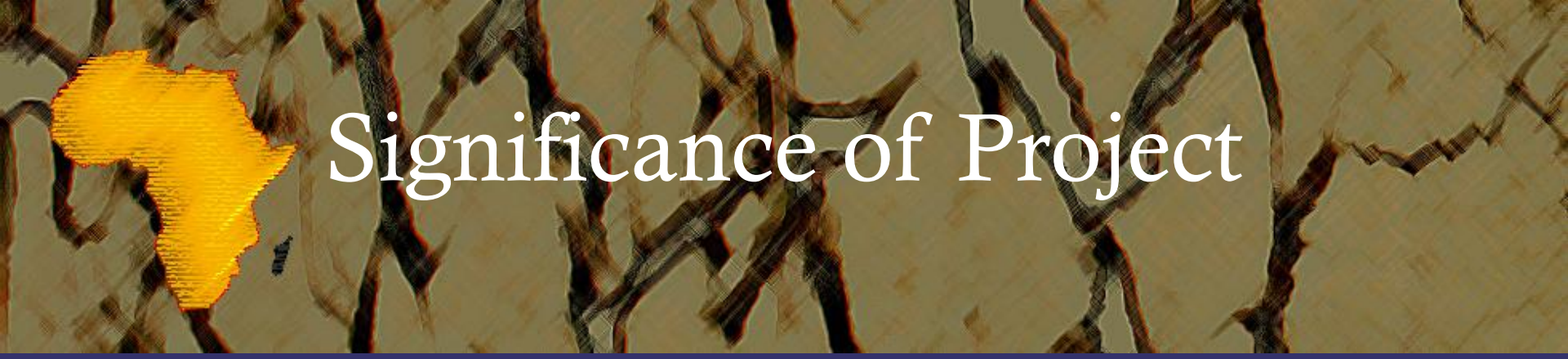
Objectives

- To determine the societal and demographical background of each country of the region in order to find the current forecasting ability and economics of each country's meteorological status
- To understand the dynamic and physical process behind basic climate and weather variability as well as high impact weather systems in equatorial Africa
- To implement an observation and weather forecasting network based upon the needs of each individual country and the whole region in the most cost effective manner
- To evaluate the usefulness of forecasts through societal impact and ability to distribute forecasts to society

Plan of Action

Generally: Look at the current state of equatorial Africa in a societal and meteorological sense and create an observation network based upon our findings.

- Gather background information about the region and its countries to determine the state of the national weather service (if applicable)
- Assess the availability, usability, consistency, reliability, and accuracy of each country's current meteorological network
- Recommend improvements for a newly designed regional meteorological network



Significance of Project

- Region of focus has a large population, nearly the same size as the United States
- Region is vulnerable to high impact weather events
- Region heavily relies on natural resources
- Successful recommendations will affect the region agriculturally, economically, and medically

QUESTIONS??????