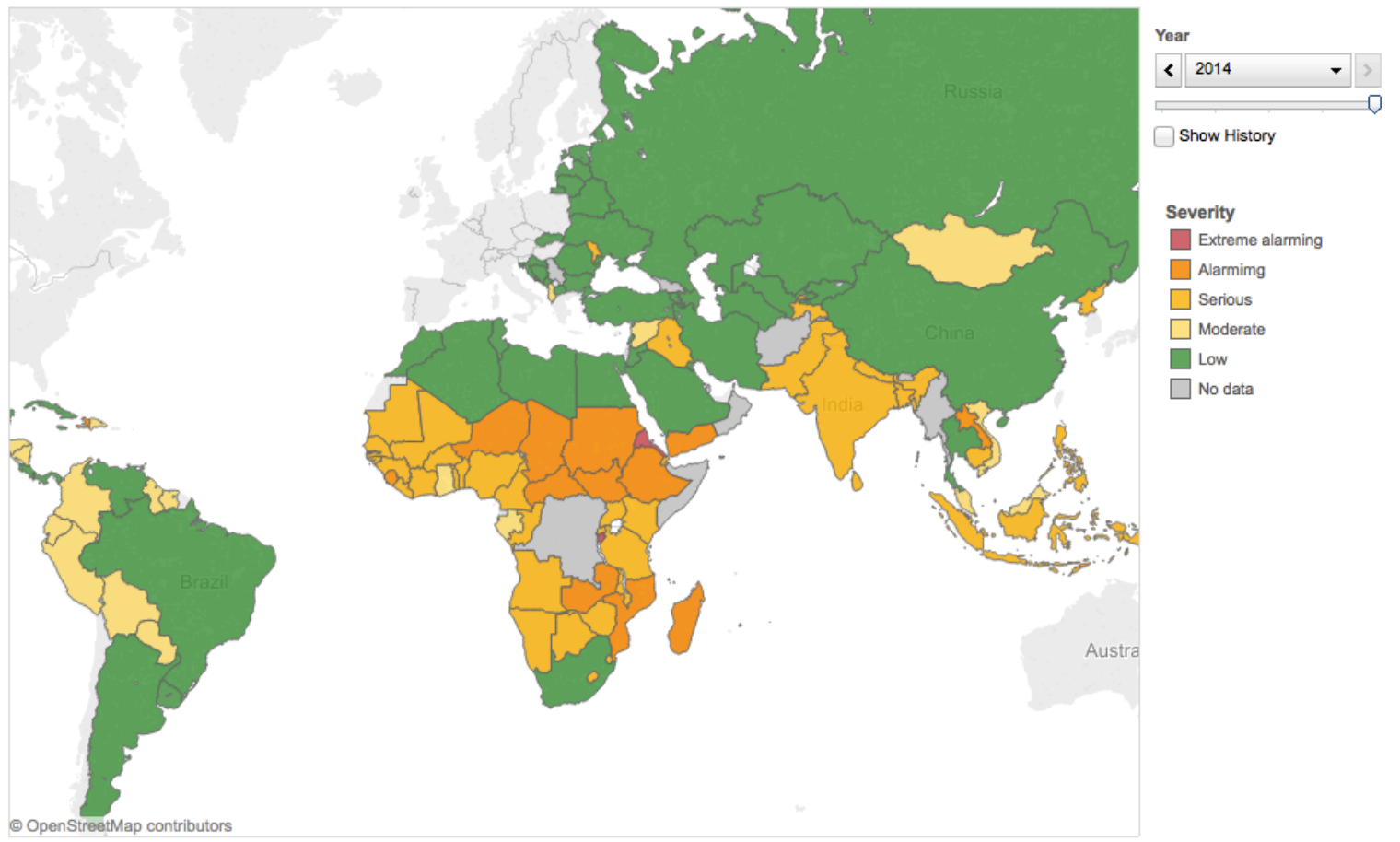


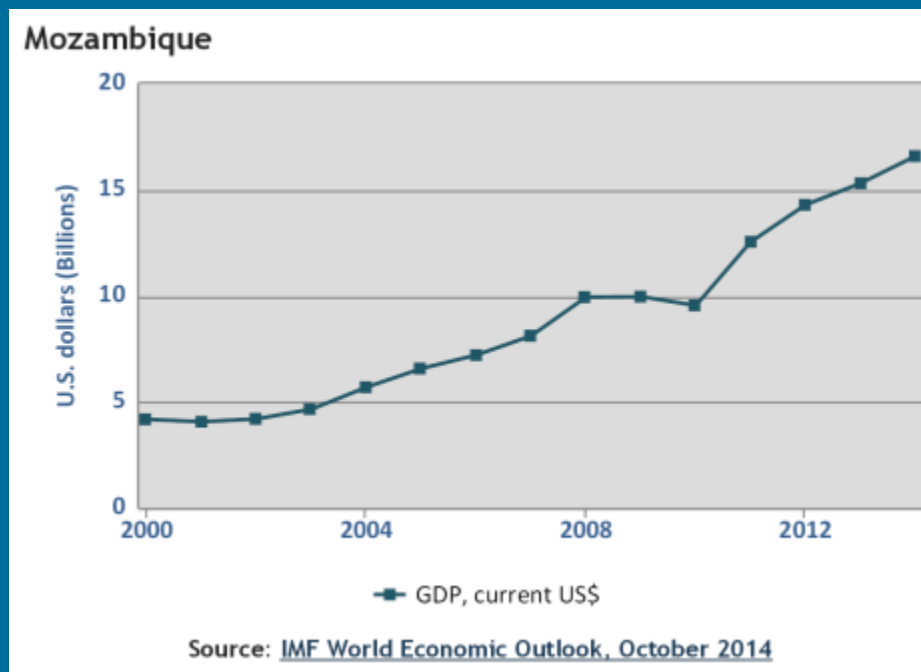
Mission 2019 Mini-project 2: Food security and environmental stewardship in Mozambique

Global Hunger Index 2014



Why Mozambique?

- Politically fairly stable since end of civil war in 1992
- GDP growing due to foreign investment in extraction industries (coal, titanium, aluminum)



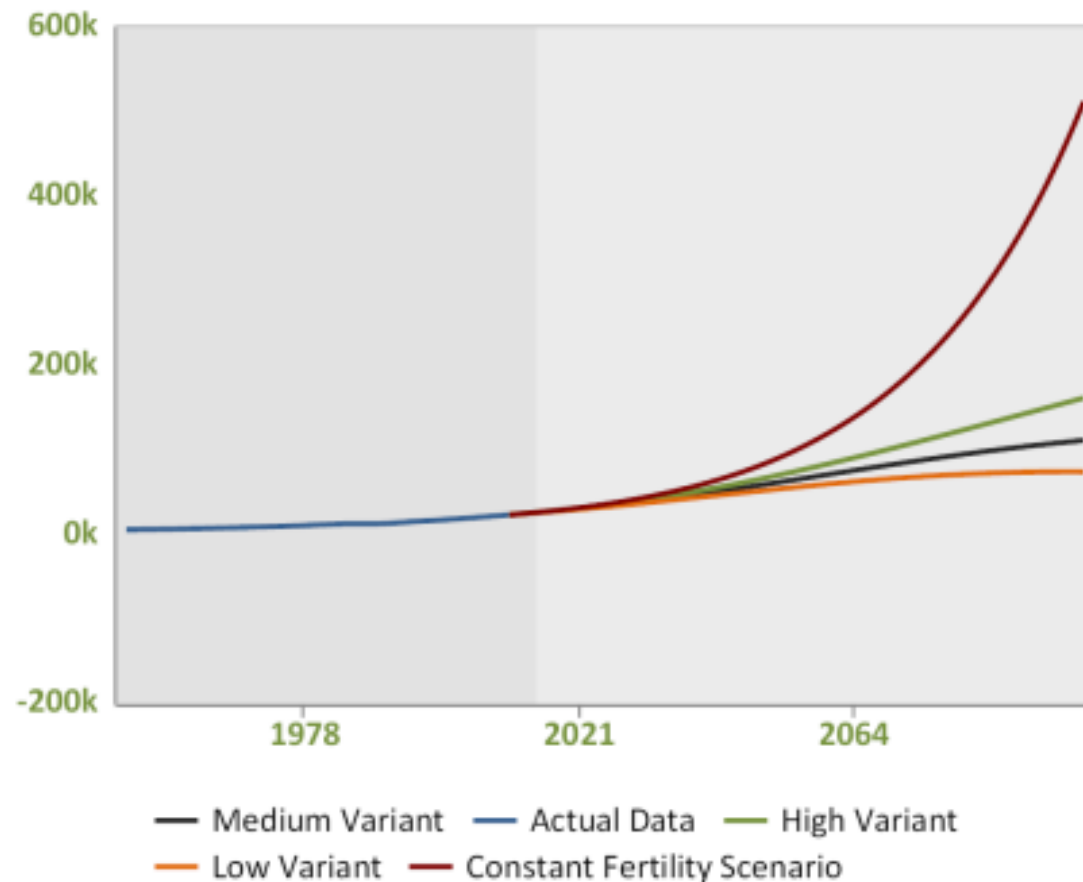
Why Mozambique?

- 178th out of 187 countries in UNDP 2014 Human Development Index
- 1/3 of population chronically food-insecure
- Child (<5 yrs) malnutrition 43%
- Child (<5 yrs) Vitamin A and iron deficiency 69% and 74%, respectively

Why Mozambique?

- Quickly growing population

Population, mln. - Mozambique



Source: [World Population Prospects: The 2012 Revision \(Updated: 13 June 2013\)](#)

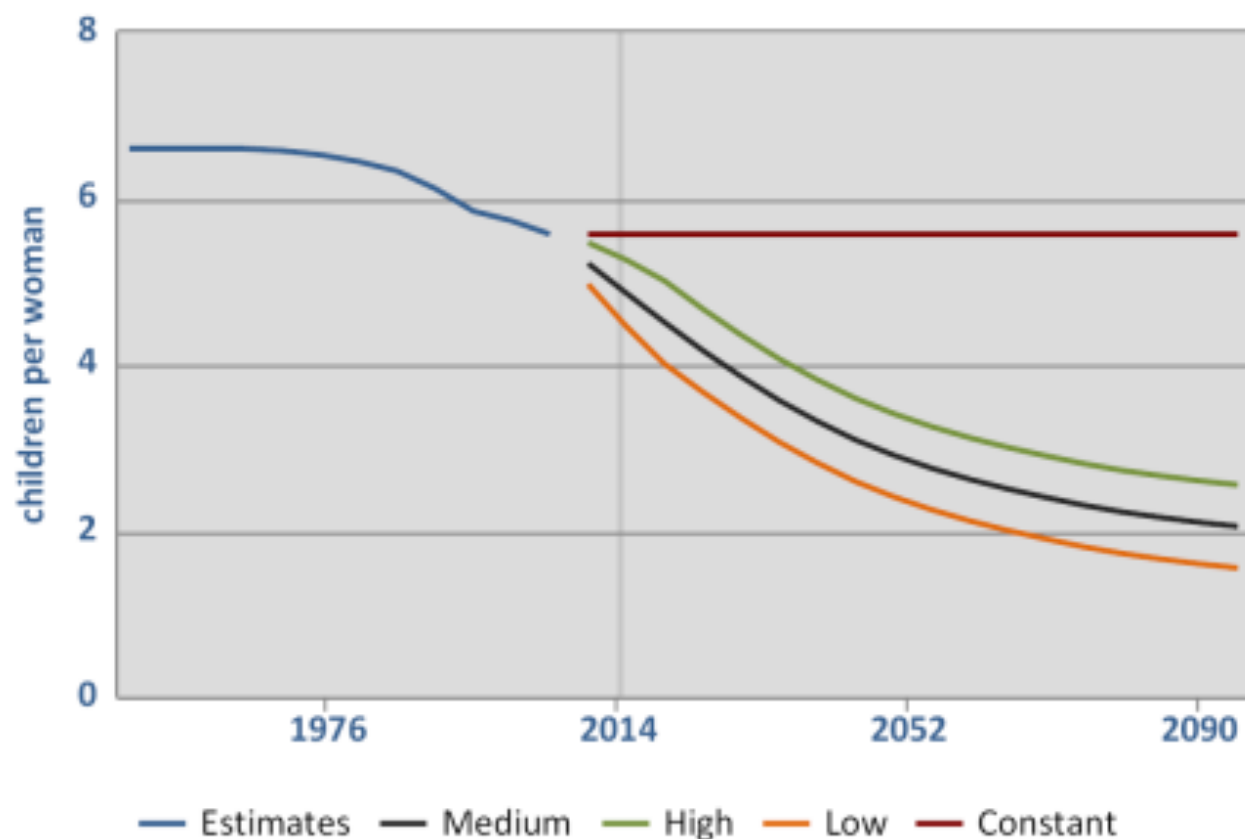
Units in thousands
(so 200k = 200M)

Current pop: 24.5M
2100 pop: >100M

Why Mozambique?

- Quickly growing population

Total fertility (children per woman)



Source: [World Population Prospects: The 2012 Revision \(Updated: 13 June 2013\)](#)

Why Mozambique?

- **Conflict between foreign investment aimed at producing cash crops for export vs. traditional subsistence farmers**

Industries | Mon May 25, 2015 6:33am EDT

Related: BASIC MATERIALS, NON-CYCLICAL CONSUMER GOODS, UTILITIES

Mozambique agriculture plan could displace 100,000 farmers - activists

BY CHRIS ARSENAULT

<http://www.reuters.com/article/2015/05/25/mozambique-land-food-idUSL5N0YC35120150525>

Why Mozambique?

- High incidence of flooding/drought coupled with low resilience

February 2014



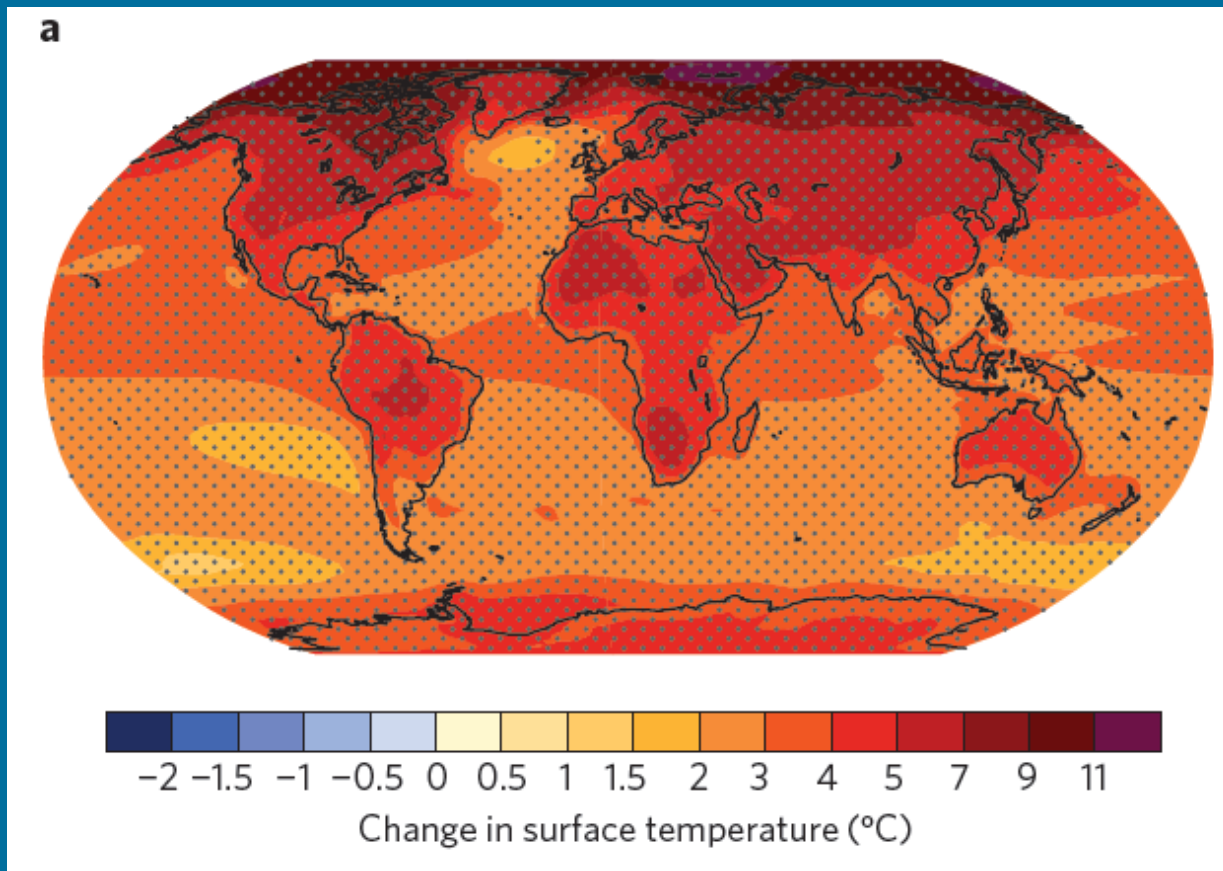
January 2015



earthobservatory.nasa.gov/IOTD/view.php?id=85145

Why Mozambique?

- Strong warming predicted in 21st century



Why Mozambique?

- Endangered species habitat: e.g. Gorongosa National Park



Mini-project 2

- Develop an integrated plan for Mozambique's development over the coming 15 years that sets the country up for minimizing food insecurity and the environmental impact of agriculture in the 21st century.
- Develop quantitative goals that would allow you to see if your plan worked after 15 years.
- Present your plan on Friday, October 9.

mozambique.opendataforafrica.org

The coming week

- **Monday: Group work day**
- **Wednesday: Visit by Terrascope mentor Hal Gustin**
- **Friday: Group work day**