

Examining the Links between
Agriculture and Human Health in the
Context of Climate Change:
A Case Study of Three West African
Countries - Mali, Burkina Faso and
Niger

PI: Kathryn Grace

University of Utah, Department of Geography

Co-I: Greg Husak

University of California, Santa Barbara

Motivation and Research Question

- Recent climate analyses by the Famine Early Warning System Network (FEWS NET) suggest that Western Africa is rapidly getting warmer and dryer
- In Mali, Burkina Faso and Niger the evidence suggests diminishing crop lands
- Mali , Burkina Faso and Niger have some of the highest fertility rates in the world and high prevalence of child stunting and infant mortality - common indicator of malnutrition and food insecurity

Question

Does variation in food availability/stability correspond to variations in fertility and maternal/child health outcomes?

Merging Remotely Sensed and Survey Data

