“Living with Climate Variability and Change:” Lessons from Tanzania.

Study Work Plan

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Objectives

- Analyse past climatic data and farmers' perceptions of climate change and variability
- Document and understand farmers' past experiences to both sudden-onset extreme and pervasive climatic events (i.e. drought, floods, rainfall etc)
- Determine the coping options and adaptation strategies
- Assess and analyse farmers' resilience to recent both extreme and more pervasive climatic events

Proposed study Villages

1. Iyaga Village (Usangu)
   - Upstream of the basin
   - Commercial/large scale rice cultivation
   - Mechanized Irrigation
   - Less population and low rainfall

2. Ikuwala Village (Mazombe)
   - Middle-land
   - Small scale cultivation of food and horticultural products
   - Cultivate in valley bottoms (Vinyungu)
   - High population and moderate rainfall

Study Villages…

3. Ruaha Mbuyuni Village
   - Low-land
   - Small scale cultivation of food and horticultural crops
   - Pump Irrigation (pump water from the river)
   - Moderate population and low rainfall

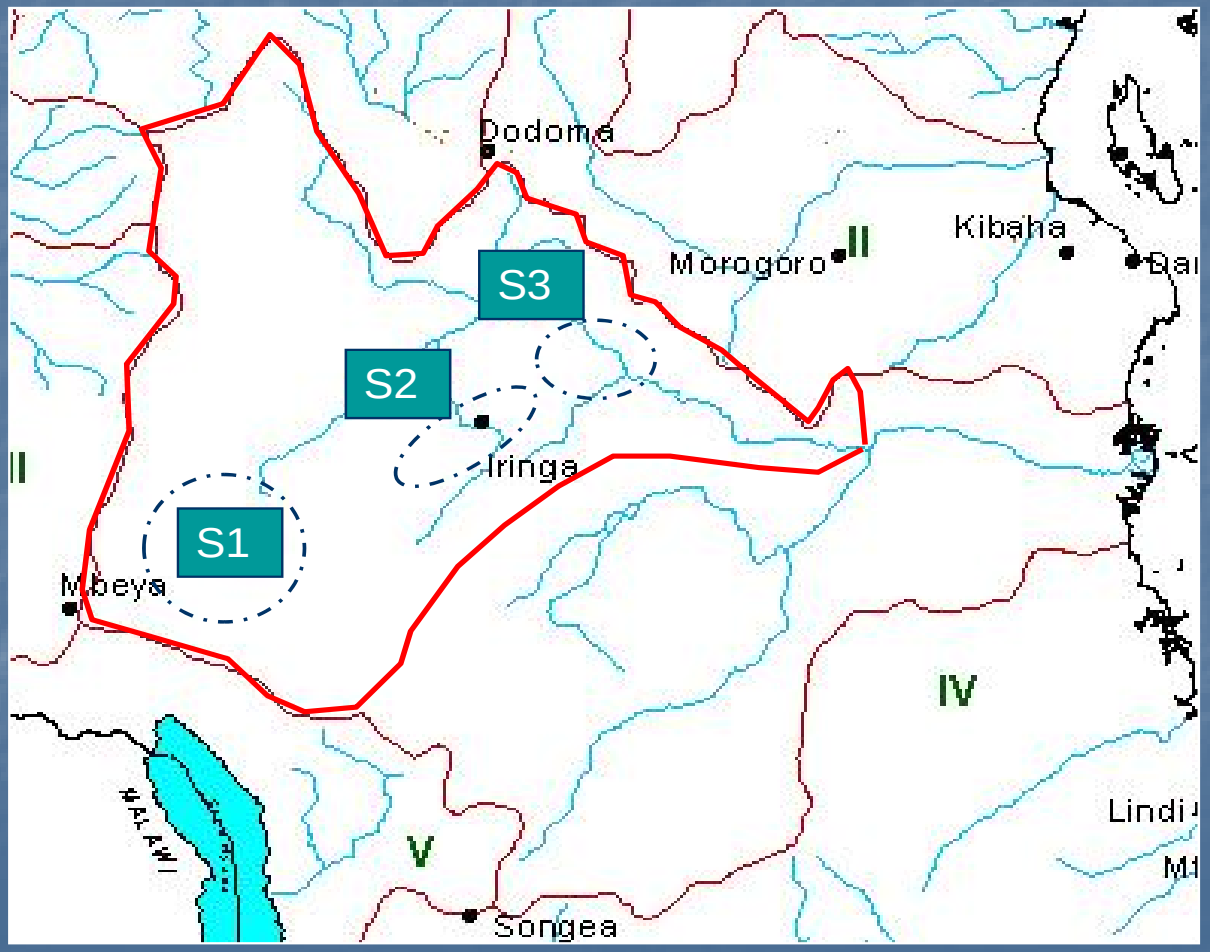
- The three agro-ecological areas provide a useful varying land use set of profiles from which to tease out issues including
  - differential vulnerability;
  - differential exposure and sensitivity to climate drivers;
  - and differential livelihood activities.

Great Ruaha River Sub-Basin

Great Ruaha River Basin

S Suggested study sites

S1: Usangu
S2: Mazombe
S3: Mbuyuni



	2010	2011	2012	2013	2014	Descriptions and Milestones/indicators
Components/tasks						
Proposal development and Registration						Develop full proposal, acquire study permit and get registered by the University of the Witwatersrand
Literature Review						Carry out Literature Review throughout the project time frame
PhD course, Data collection tools, data purchase and pilot study (Phase 1)						Attend a PhD course on Conducting geographical and environmental research in the global south at the University of Copenhagen, Prepare data collection tools, get real time climatic data from TMA and conduct a pilot study-sample respondents and conduct Baseline survey (Socio-economic data)
Phase 1 data collection						Refine data collection tools, conduct timeline of extreme events and perception from farmers. Analyse data and prepare for phase 2 (Objective 1)
Phase 2 data collection						Conduct indepth both qualitative and quantitaive data collection. Semi-structured interviews, Focus group discussion and key informant interviews. Discuss in detail issues of perception, experience to climatic extremes, resilience, coping and adaptation strategies. Analyse data and report writing (Objectives 2,3 and 4)
Phase 2 data collection						Attend the second course at the University of Copenhagen and Continue with phase 2 data collection, analysis and report writing (Objectives 2,3 and 4)
Data Analysis, Report writing and Submission						Complete data analysis, report writing and Thesis submission for PhD dgree award.
Project activities (WP3)						Continue with remaining project activities, Project report writing, feedback workshop to local stakeholders and National workshop