Project Summary

Title	Climate change adaptation strategies in the semi-arid region of Uganda
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Purpose	The main objective of this study is to generate practical, context-specific recommendations of Sustainable land management approaches and practices that improve food security and economic prospects for different regions of Uganda.
Project Summary	Climatic changes in Uganda have affected the livelihoods of many people in various ways, but most significantly farmers (Kabassa, 2008), who largely rely on rainfed agriculture and other natural resources. Most of the General Circulation Models predict mean annual temperatures increment of 0.7oC and 1.5oC by year 2020 in Sub-Saharan Africa. This is likely to increase the severity and frequency of droughts, heat waves in the region (Christensen et al., 2007; Cline, 2007; Hulme et al. 2001; Goulden, 2006). This increment will result into significant impacts on natural resources. This study aims at documenting climate change adaptation responses; challenges faced by farmers in responding to climate change and variability and generate context-specific recommendations in order to improve food security and economic prospects while conserving the environment. Four objectives will guide the investigations in this study including: (i) to assess the major climatic shocks, coping strategies employed and mapping of the mobility paths of the pastoralists; (ii) to document the farmers perceptions on climate change, their adaptive responses or coping strategies and challenges they face in crop production; and (iii) to establish the major drivers of fuel wood demand, to estimate its elasticity and document domestic energy coping strategies. It is expected that this project will generate a list of climate change and variability adaptation strategies in eastern and western Uganda, the major challenges to crop production, farmer's perceptions on climate change/variability since 1980, the major climatic shocks

	experienced by pastoralists (western Uganda) in the last 3 decades, determinants and elasticities of fuelwood in eastern Uganda, and copying strategies and the efficiency of selected soil management practices in controlling soil erosion and nutrient export.
Country and Specific Location(s)	Rakai and Kiruhura, Soroti district
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