

## Goal

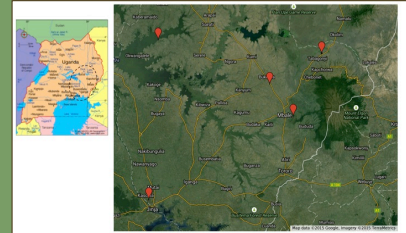
Identify appropriate on approaches for holder farmers in a & East Africa. The project goes d technological approaches suit men women farmers' land time constraints, to finance, and ance structure.



## Approach

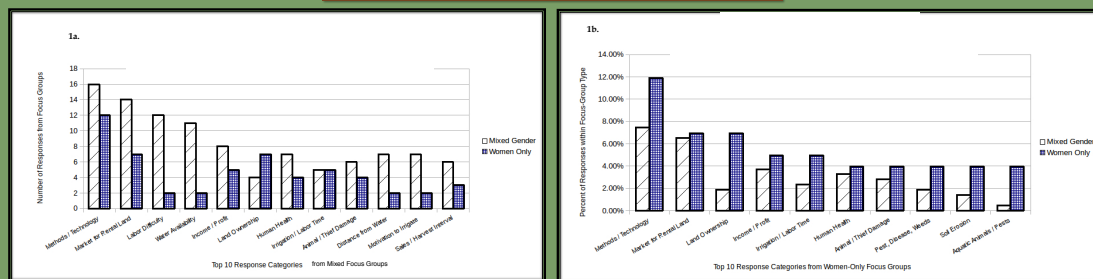
- Develop innovations in collaboration with irrigation committees selected by farmers at 5 sites in Eastern Uganda with diverse agro-ecological and social systems.
- With a women empowerment NGO, engage women members to identify needs and work in a team to overcome challenges.
- Collect in-depth data on labor, cost, income, nutrition, physical pain, time use, empowerment, and other criteria identified by irrigators.

## Research Sites



Red-marked Tier 1 sites represent breadth of hydrologic/climatic conditions and are focus of participatory research. Additional Tier 2 sites identified later will be used to extend promising approaches.

## User-Identified Irrigation Criteria

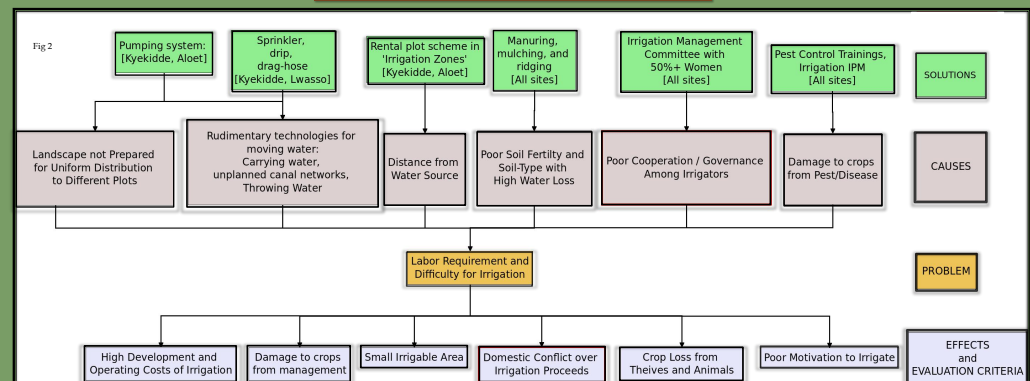


**Fig 1a & b.** These graphs show how different priorities are identified when identification is done by mixed gender focus groups vs. a women-only focus groups. In both cases, understanding and managing irrigation technologies is the key challenge.

## Outputs

Develop problem-solution trees that present approaches to overcome farmers' irrigation challenges. Develop user-guides with farmer input for improving technology access and assistance for agricultural extension services providers. Train women and men farmer to mentor future vegetable farmers seeking to use or improve irrigation practices.

## Problem – Solution Trees



**Fig 2.** This graph describes solutions, problems, causes, and ways to evaluate the outcomes of the actions. Through focus groups, women farmers identify key challenges and possible solutions, aided by the research team.

## Additional Irrigation



## Project Innovations