



# ONE DROP'S APPROACH TO WATER MANAGEMENT FOR FOOD SECURITY IN CLIMATE CHANGE SENSITIVE AREAS

## THE CONTEXT

### RURAL AREAS, DRY TROPICS

- Mountainous region
- Rain fed agriculture (cereals & beans)

### HYDRIC STRESS & VULNERABILITY TO CLIMATE CHANGE

- Dry season: 6-7 months
- Recurring floods & droughts
- Irregular rainfall patterns
- Interrupted harvests: 3 week heat wave
- Climate change predictions: less precipitation, higher temperatures (IPCC)

### DEFORESTATION

- Low infiltration and aquifer recharge
- Land slides
- Erosion, top soil removal



Compromised access to water, food security & socio-economic development

## ONE DROP'S SYSTEMIC APPROACH



- Improve access to water for consumption and irrigation
- Improve access to sanitation
- Put in place water management techniques
- Construct energy efficient ovens to improve health and reduce wood consumption

- Capacity building of local farmers and entrepreneurs
- Improve harvests for food security
- Provide access to micro loans for small business development and revenue generation

- Raise awareness, mobilize communities to enable behavior change for good hygiene and better water management

## PROJECT IMPACT

- Safeguard reliable access to safe drinking water
- Better hygiene behavior
- Improved crop harvest
- Health improvement
- Increased families' yearly income
- Art and entertainment
- 22,000 people reached

