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

1. WATER ACCESS & MANAGEMENT
   - Improves 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

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

3. SUSTAINABILITY
   - 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

PROJECT EL SALVADOR

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

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