EWB-CU Fall 2015

Welcome Abroad



INTRODUCTION

- Hello!
- Session overview
 - Updates from travel teams
 - Q&A on how to get involved

GHANA PROGRAM



OVERVIEW

6-Stall KVIP Latrine

- Kwasi Doi, Ghana
- The 9th latrine built by Ghana program, 2nd KVIP
- Improve community hygiene to prevent diseases
- Community has 800 adults and before this only one double-stalled pit latrine

Water Distribution System

- Amanfrom, Ghana
- Improve current community water infrastructure (quantity, quality, access)
- The village has very limited access to water, especially during the dry season, and all of the water is contaminated

- Trip goals: Implementation of a KVIP Latrine in Kwasi Doi
 & Assessment of Water Sources in Amanfrom
- Implementation Update: Successfully built KVIP latrine and worked with community to establish sustainable plan for its maintenance
- Assessment Update: Collected water quality data, conducted topological surveys, determined quality of existing wells, collected data for potential wells

SEMESTER GOALS

- Grants & Fundraising
 - Raise enough money to cover all project costs, including travel for all members
 - Keep donors and alums updated
- Latrine Team
 - Oversee monitoring of the 9 latrines built
 - Work w/ community to develop latrine maintenance plan
- Amanfrom Water Team
 - Begin alternatives analysis and determine the next steps moving forward

MOROCCO PROGRAM



OVERVIEW

Bridge

- Ait Bayoud, Morocco
- A 210 ft suspension bridge over the river.
- When it's rainy season, the river is impassable.

Water Distribution System

- Izgouaren and Ilguiloda
- Source well, pump, piping, and chateau to make fresh water easily accessible.
- Two communities located on a plateau, can take up to 3-4 hours a day walking to the river to collect water.

- Trip goal: Begin Implementation of Water Pipeline
- Update 1:
 - Built concrete foundation for water tank





- Trip goal: Begin Implementation of Water Pipeline
- Update 2:
 - Laid 288 meters of piping (out of a total 1500 meters)!



SEMESTER GOALS

- Engineering
 - Operations & Maintenance Guide for Pipeline
 - Wind & Solar Energy Research and Design
 - Water Sanitation design for Chateau (water tank)
- Administrative
 - Grants & Fundraising
 - Mentor Outreach
- Future Travel
 - Implement More Piping
 - Alternative Energy Assessment
 - Water Sanitation Work

UGANDA PROGRAM



OVERVIEW

MFP

- In the agricultural district of Soroti, Eastern Uganda families spend several hours per week to meet their nutritional needs.
- The multifunction platform uses diesel powered engines to create agricultural processing complexes across multiple sites, helping over 1000 families to date.

 Trip goal: Monitor success of MFPs

 Update: Visited all active sites constructed minor structural alterations



 Trip goal: Design new exhaust system

 Update: Proposed cost-effective solution



• Trip goal: Evaluate and upgrade old sites

 Update: Installed a new engine in Orungo



• Trip goal: Create an exit plan

 Update: Agreed to two-year, site-specific plan with NGO



SEMESTER GOALS

- MFP Closeout Team
 - Exit strategy within 2 years
 - Maintain contact with Pilgrim
 - Organise future trips
- New Project Team
 - Mentor search
 - Survey bridge possibilities
 - Examine future projects



Q&A