EWB-CU Fall 2015

Welcome Abroad
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
TRAVEL UPDATES

● 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.
TRAVEL UPDATES

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

- 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.
TRAVEL UPDATES

● Trip goal: Monitor success of MFPs

● Update: Visited all active sites constructed minor structural alterations
TRAVEL UPDATES

● Trip goal: Design new exhaust system

● Update: Proposed cost-effective solution
TRAVEL UPDATES

● Trip goal: Evaluate and upgrade old sites

● Update: Installed a new engine in Orungo
TRAVEL UPDATES

- 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

Life would be so much easier with a bridge closer to home.
Q&A