The Ghana Team

IAP Trip Itinerary and Projects

Students

[Eight anonymous MIT students, names removed for privacy]

Trip Leaders

Amy Smith & Kofi Taha

D-Lab

November 23, 2009
Ghana: The Basics

West African nation
Population 23.8 million (2009)
GDP per capita: $1572
Current President: John Atta Mills
“Good afternoon” = Ma-ha-o (Twi)

http://en.wikipedia.org/wiki/Ghana
Projects: When and Where?

1/6/2010: Accra to Kumasi

Suame Magazine
1/7 to 1/11
Foundries, ITTU, Community Mapping

New Longoro
1/12 to 1/23
Water, Agriculture, Education, Mapping

Millennium Development Villages
1/23 to 1/25

Takoradi or Accra
1/26

1/27/2010: Accra to USA

Map: CIA World Fact Book
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Water Sanitation

Borehole

River Crossing

Fiber-Reinforced Concrete
Agriculture: Post-Harvest Processing

Ethylene absorption

- Testing safe, simple chemical absorbers
- Cheap, mobile, easily packaged

Shea Nut Oil Press

- New press eliminates six traditional steps of processing
- Evaluation: Oil testing, output, use with other nuts

Photos: Tomatoes courtesy of photofarmer on Flickr. Shea nuts courtesy of whiteafrican on Flickr. License CC BY.
Education

New Longoro-Hastings Schools Partnership

• Objective: teach fourth graders from MA about Ghana and New Longoro students about the US

Saltwater Batteries

• Low-cost batteries made from Al cans
• Teach basic chemistry/technology

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Community Mapping

• Objectives
  • to show relevant information in a geographical context
  • to help other projects evaluate the situation and their impact
  • “What resources are available and where?”

• Examples
  • Mapping by schools’ students
  • Social mapping
  • Tomato transport

Images of GPS system and GIS maps removed due to copyright restrictions.