

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)



Projects: When and Where?

1/6/2010: Accra to Kumasi

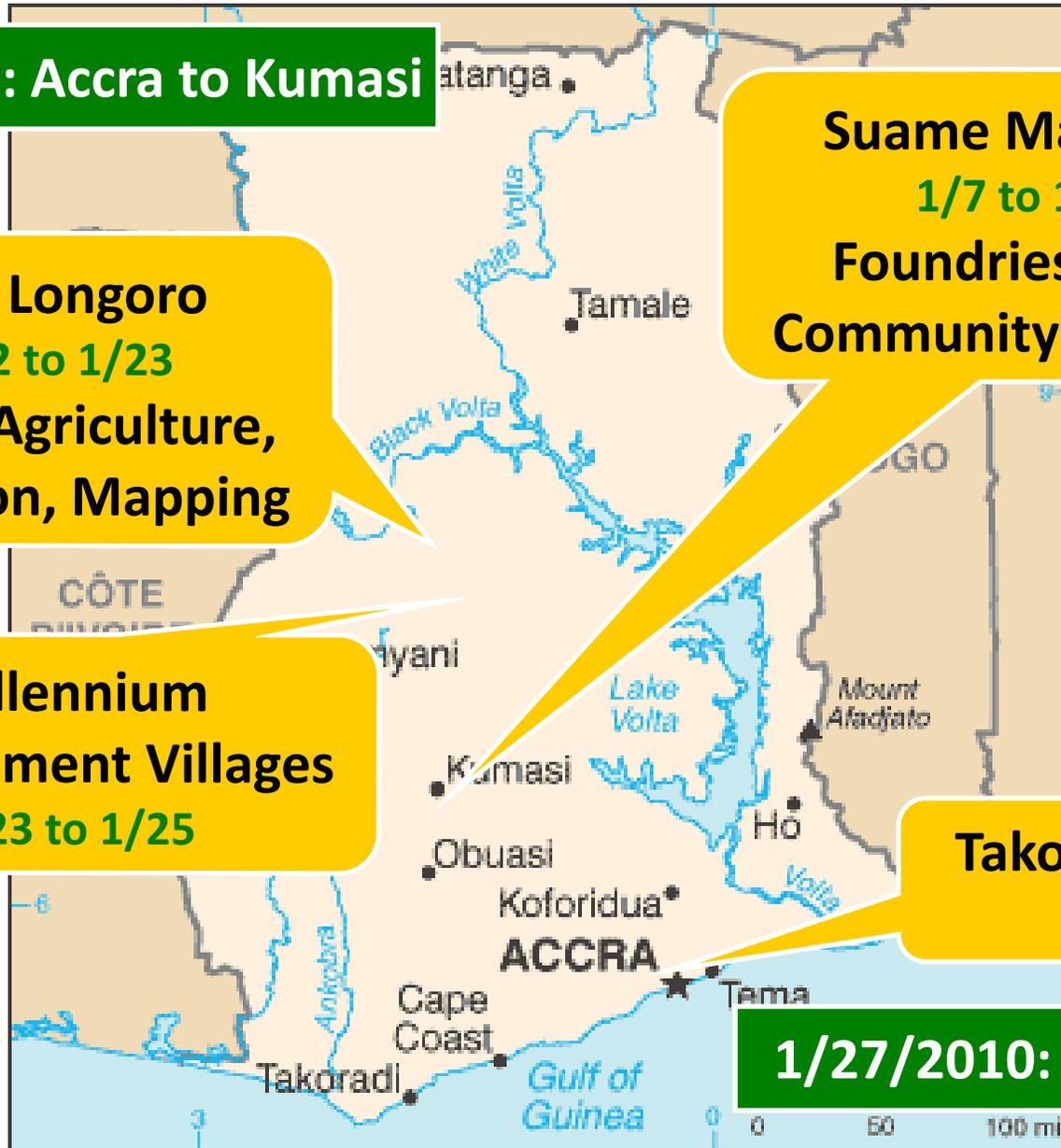
New Longoro
1/12 to 1/23
Water, Agriculture,
Education, Mapping

**Millennium
Development Villages**
1/23 to 1/25

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

Takoradi or Accra
1/26

1/27/2010: Accra to USA



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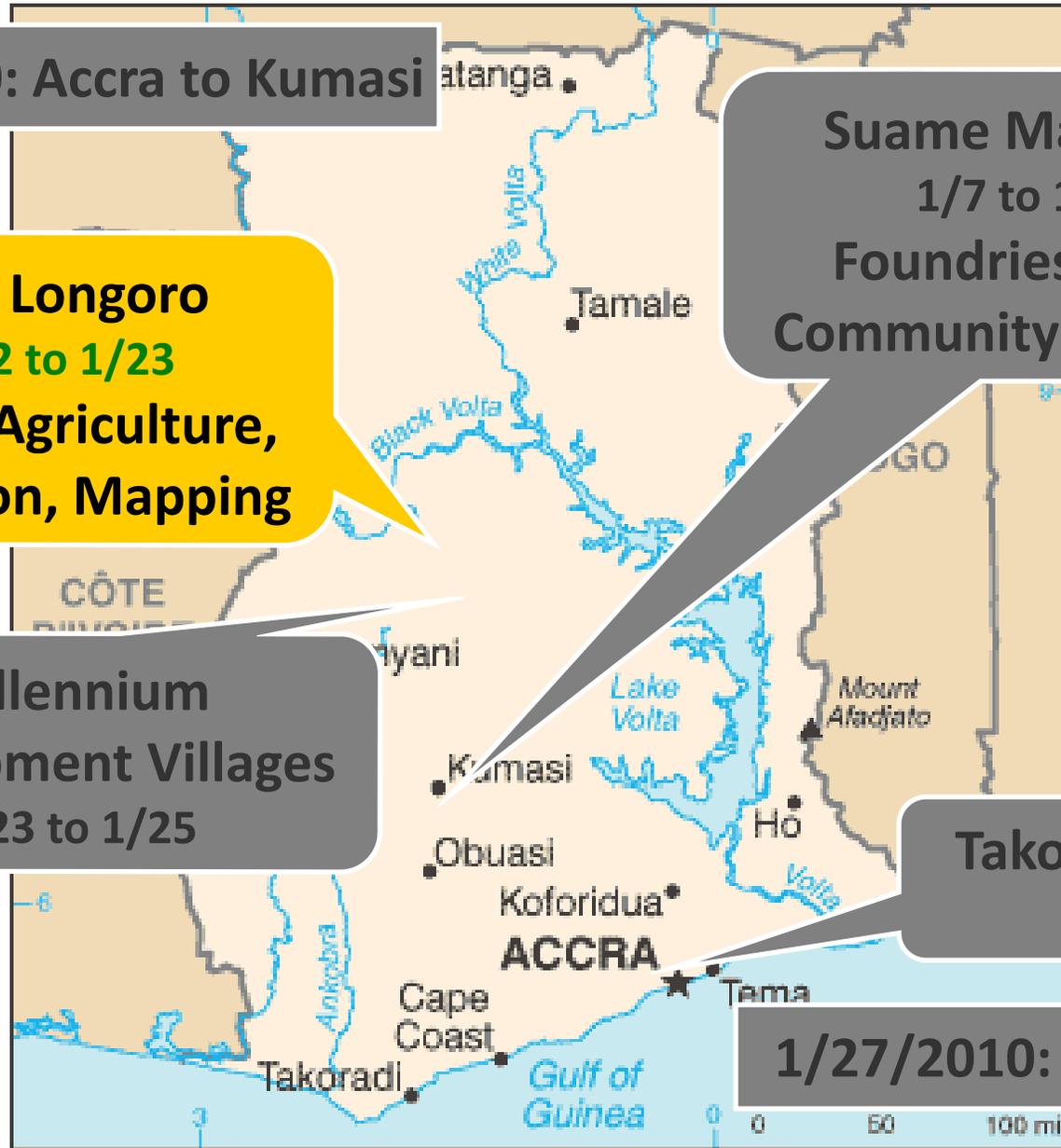
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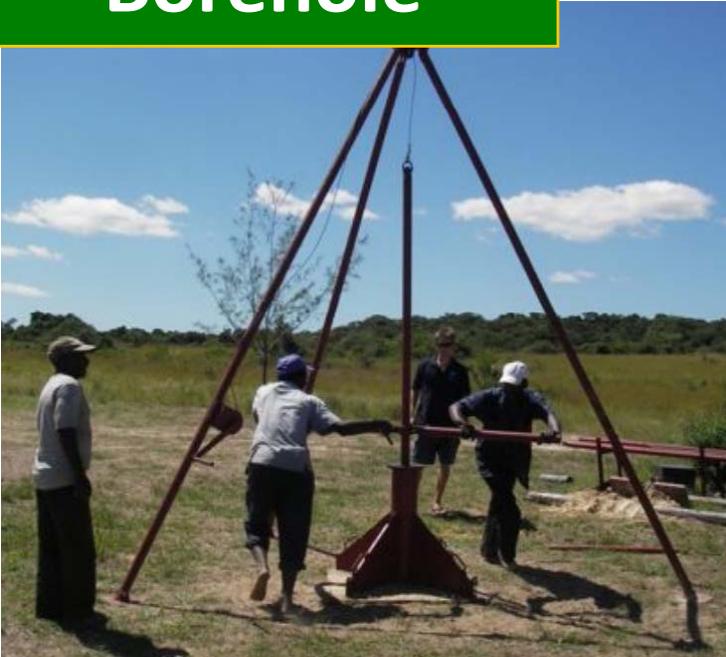
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Water Sanitation

Borehole



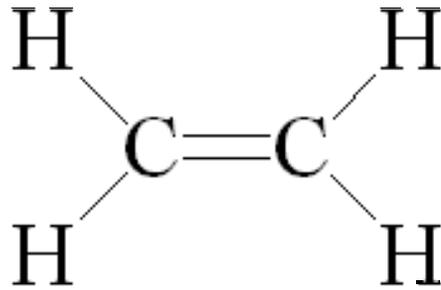
River Crossing



**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

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

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.

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Fall 2009

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