

Renewable Energy for International Development Costa Rica 2013

Grant funded by Madison College for a
study abroad program development
with sustainability in mind

Costa Rica Partnership

**Madison Area Technical College
Renewable Energy for
International Development Class
led by Ken Walz**



**Developing World Workshop
led by Ian Woofenden**



Costa Rica has seven provinces

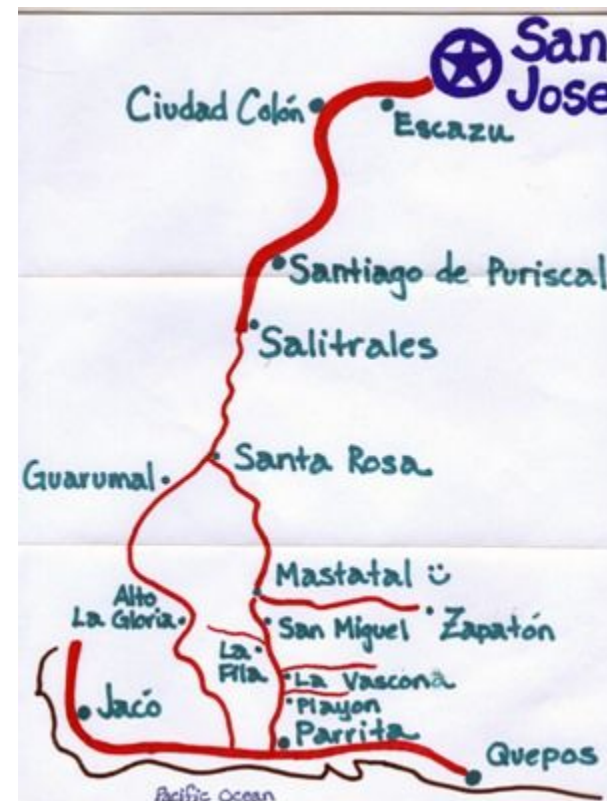
Jan Jose Province



Mastatal

Mastatal is located in the central valley of the Province of San Jose.

- It is about 2 ½ hours by car from Costa Rica's capital, San José
- Small rural agricultural . village (~120 people)
- Limited phone/internet access
- No local health providers



Mastatal



Rancho Mastatal

Environmental Learning Center and Lodge



Rancho Mastatal is an environmental learning and sustainable living center, rural sanctuary and lodge located in and on the edge of the rainforest of Costa Rica's Puriscal County



Rooms and Facilities at the Ranch

- The main house



La Casa de Triburon



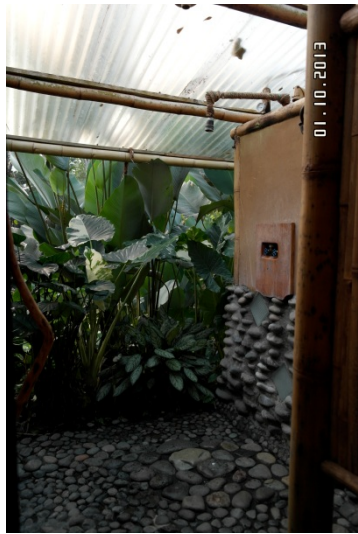
Jeanne's house and the Hootch



The Classroom



Solar Hot Water Showers and Laundry



Bathrooms

- Biodigester toilet



Compost Toilets



Attending Class



Building Solar Cookers













Electrical Systems and PV



Lecture on Hot Water Solar Heating System



Simple Hot Water System



Instructions how to install



How to install a hot water heater



Verification of structure and installation



Hydro Electricity Basics

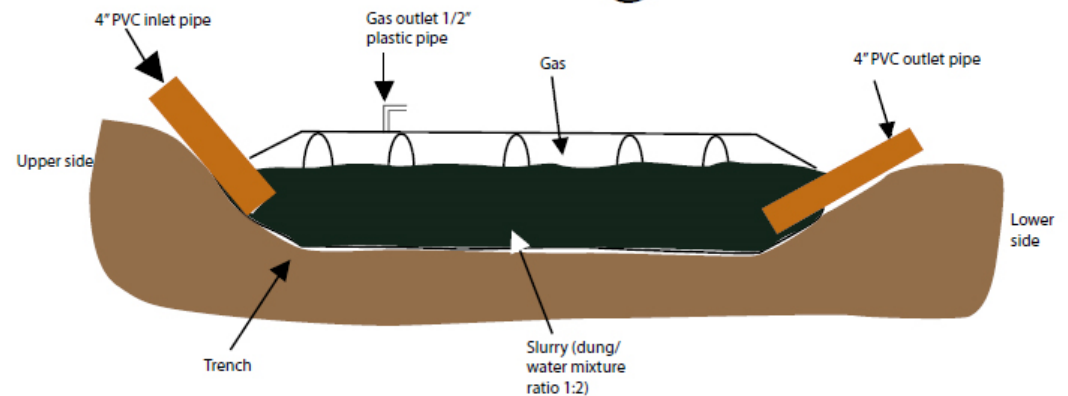
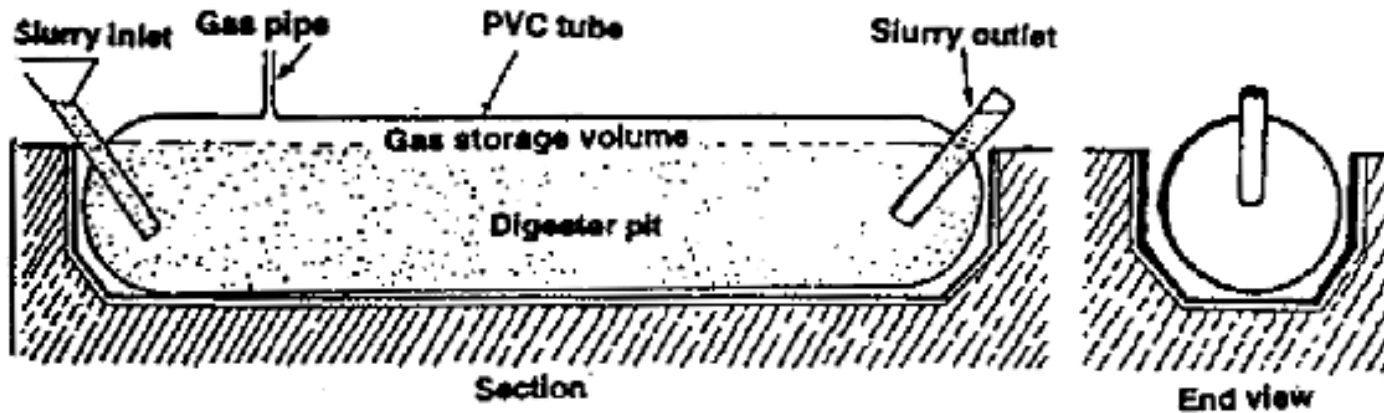




Methane Biodigester



Tubular Biodigester



Field Work





The Group



Last images from Costa Rica





01.12.2013



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