

# Potential CDM Projects in Vanuatu

# Potential CDM Projects

- Renewable Energy system  
(off grid and grid)
- Small scale Biomass gasifiers
- Plant Oil/ Biodiesel  
(coconut/palm oil)
- Landfill methane recovery
- Methane capture and/or utilization from organic waste (e.g. sludge, wastewater) by anaerobic digestion



- Energy Efficiency in Lighting
  - Replacement of incandescent or low efficiency fluorescent lights with CFLs and LPS (low pressure sodium) lamps
  - LED lamps for street lighting
- Solar Projects
  - Off Grid Solar PV projects
  - Solar Water Heating system (Residential)



# Case Study : Gyapa Improved Stoves in Ghana

- In 1990, Ghana had 8.2 million hectares of high forest most of which today only 1.2 million hectares remain.
- Wood and charcoal are the predominant cooking fuels in Ghana, providing more than 80% of domestic energy consumption.
- Project involves replacement of traditional low efficiency charcoal stoves with efficient stove known as the Gyapa leading to lower fuel cost



# Case Study : Gyapa Improved Stoves in Ghana

- Carbon Finance has helped reduced the initial investment of households by more than 30% making it affordable.
- From 2007 – Q2 2010 186,373 stoves were distributed.
- Emission reduction achieved - 255,966
- Close to \$1.3 million in carbon revenues.

# CUIDEMOS Mexico – Energy Saving Light Bulb Programme of Activities

- The Programme involves the distribution of energy efficient light bulbs to households across Mexico.
- Carbon finance is used to subsidize the distribution of energy efficient lamps.
- Each household can receive upto four free CFL bulbs in exchange for four standard light bulbs currently in use.



# Project Activities with CDM Potential in Vanuatu

- Efate Geothermal Power Project
- Port Vila Urban Development Project
- Brenwe River Mini- Hydropower Project in Malekula, Vanuatu
- Wambu Hydropower Project, Santo Island, Vanuatu
- Biomass gasification
- Coconut Oil based Electricity Generation

THANK YOU