

The background of the slide is a photograph of a tropical building with a dark, gabled roof and a porch. Several tall palm trees are scattered around the building, and there is a paved area in the foreground. The image is slightly faded to allow the text to stand out.

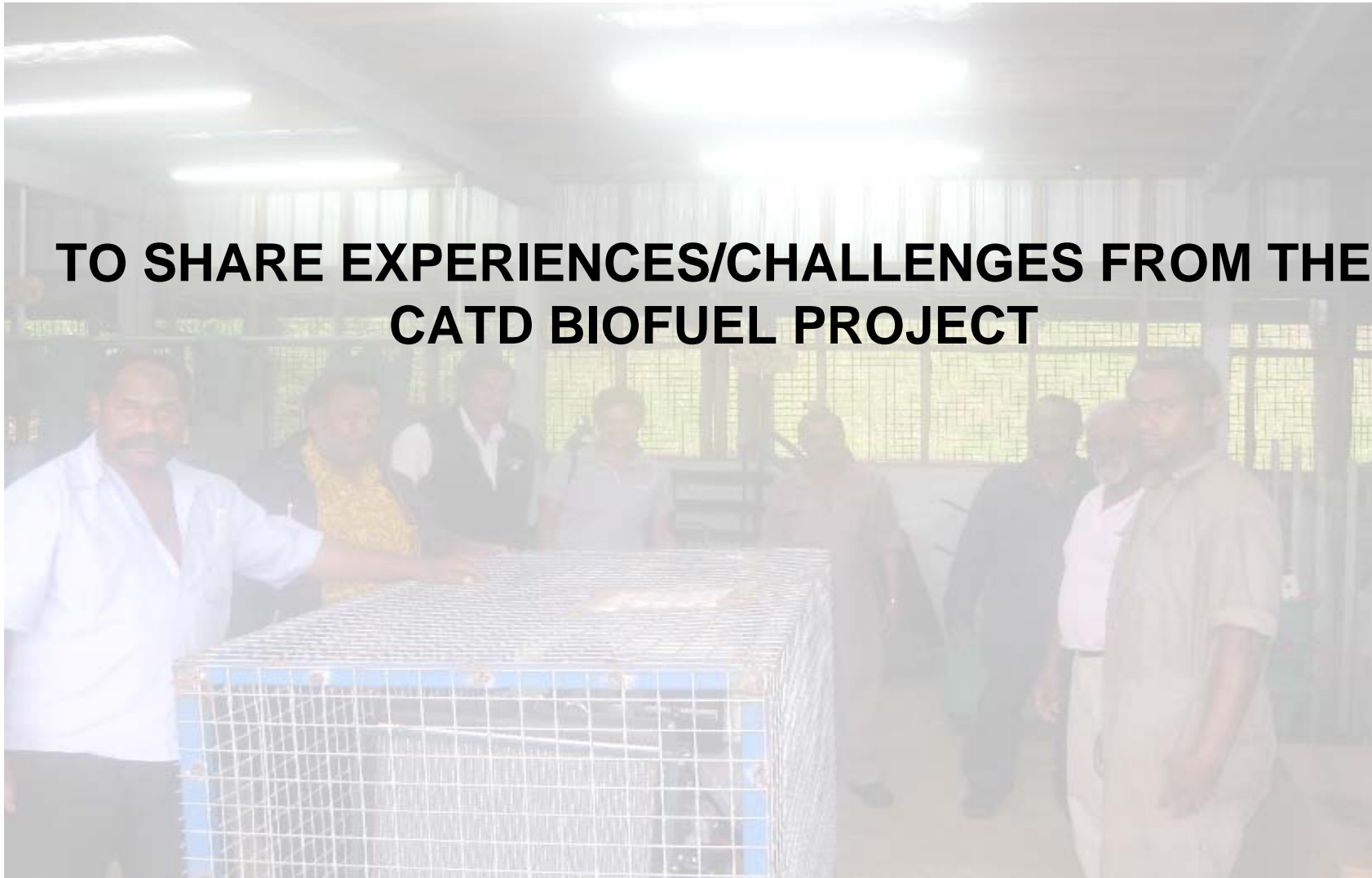
# **CENTRE FOR APPROPRIATE TECHNOLOGY AND DEVELOPMENT (CATD) BIOFUEL PROJECT**

**ARIETA GONELEVU**

***SOPAC***

# OBJECTIVE

**TO SHARE EXPERIENCES/CHALLENGES FROM THE  
CATD BIOFUEL PROJECT**



# PROJECT ACTIVITIES

- **SITE IDENTIFICATION**
- **MEDIA COVERAGE**
- **SUPPLY, INSTALLATION & COMMISSIONING**
- **TRAINING OF OPERATORS**
- **BIOFUEL PRODUCTION/TRAINING**
- **OIL DERIVED PRODUCTS TRAINING**
- **MARKET RESEARCH**
- **REGIONAL WORKSHOP**
  
- **BUDGET – 180, 000 EUROS**

# SITE IDENTIFICATION

**INTEGRATED APPROACH FEASIBILITY STUDY  
SOCIAL, ECONOMICAL, ENVIRONMENTAL, RISKS,  
SUSTAINABILITY**

**PARTICIPATION OF ALL KEY STAKEHOLDERS**

**TARIFF STRUCTURE**



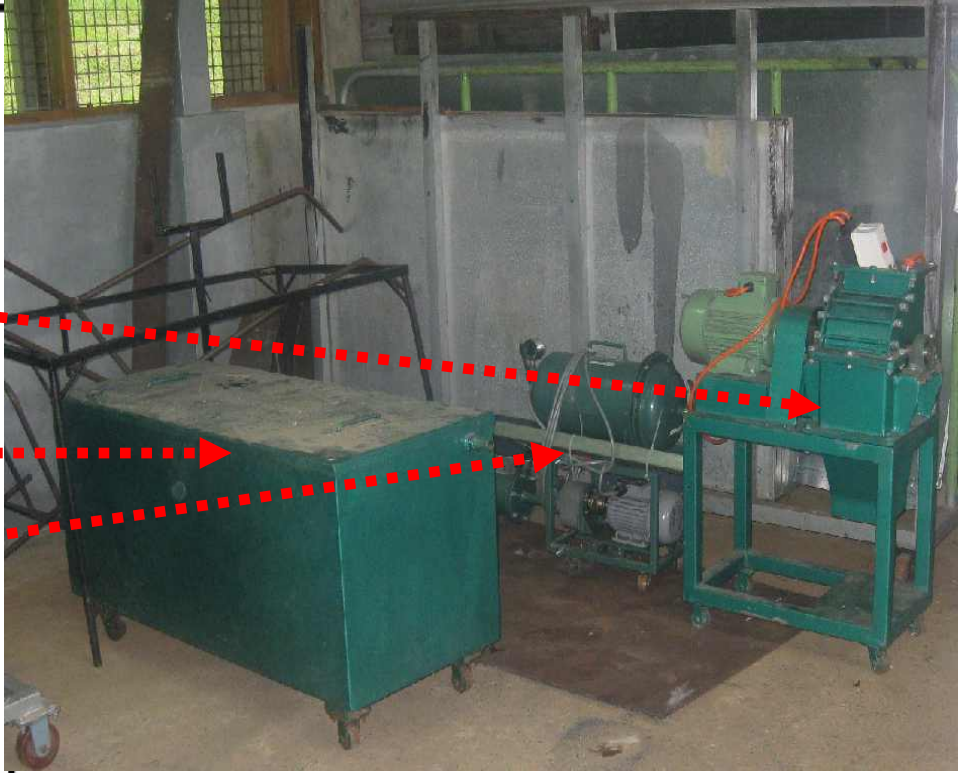
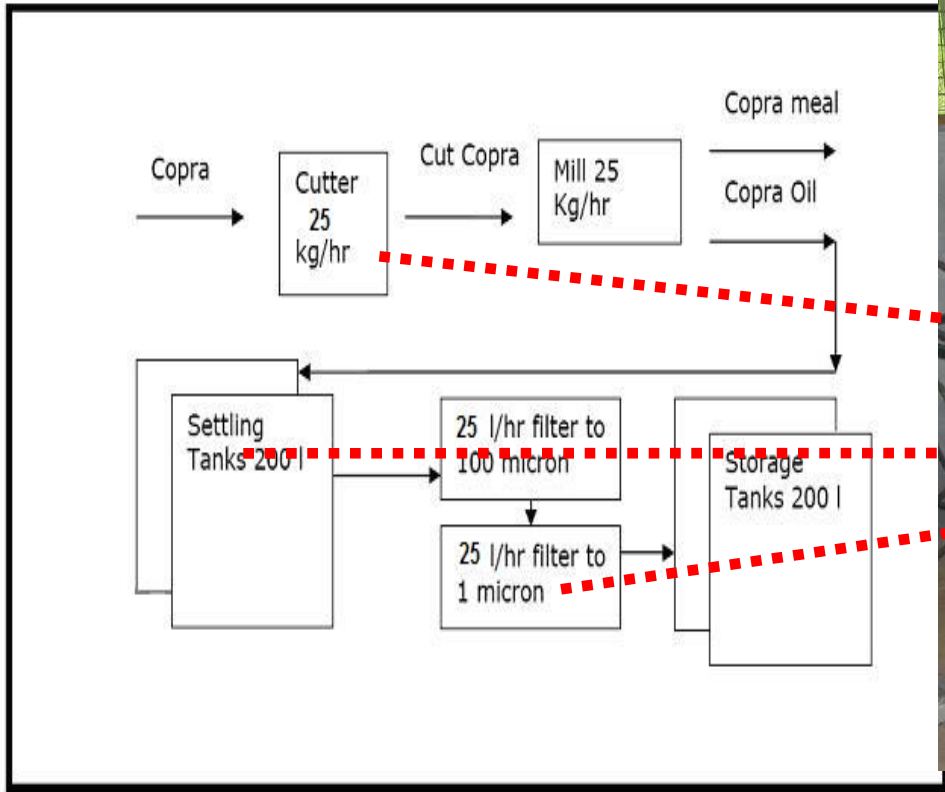
# MEDIA COVERAGE



**SPC-MEDIA CENTRE HAS BEEN CONTRACTED TO UNDERTAKE THE MEDIA COVERAGE OF THE CATD PROJECT**

- **DVD (PACIFIC WAY)**
- **STILL PHOTOS FOR MANUALS/POSTERS**

# SUPPLY, INSTALLATION & COMMISSIONING



# **SUPPLY, INSTALLATION & COMMISSIONING**



- **MILLING EQUIPMENT & GENERATOR WERE SUPPLIED IN JANUARY 2009**

- **INSTALLATION & COMMISSIONING WAS UNDERTAKEN IN JULY 2009**

- **REFRESHER COURSE ON MILLING EQUIPMENT & BIOFUEL GENERATOR MAINTENANCE WILL BE UNDERTAKEN IN SEPTEMBER 2009 (IN PARALLEL WITH THE REGIONAL WORKSHOP**

- **SLIDESHOW AT THE END**

# BIOFUEL PRODUCTION



**80 % COCONUT OIL : 20 % DIESEL BLEND**

**CATALYST????**



# EQUIPMENT SPECIFICATION

## KUBOTA ENGINE

- Prime power – 22 KVA
- Base fuel tank -160 litres capacity
- Maintain 20% of tank capacity
- Dual Governor System (1500 & 1800 rpm)
- Fuel consumption
  - 75% load-3.9litre/ hour
  - 100% load – 5.2 litre/hour

# **ECONOMICAL ANALYSIS**

- Refer to word document.....

**PLAY SLIDESHOW**