

FINANCING AND INVESTMENTS  
MECHANISMS IN COMMUNITY BASED  
FOREST MGT PROGRAM: “THE MAASIN  
WATERSHED EXPERIENCE”

Presented by:

**Mr. Rubenie Castellanes**

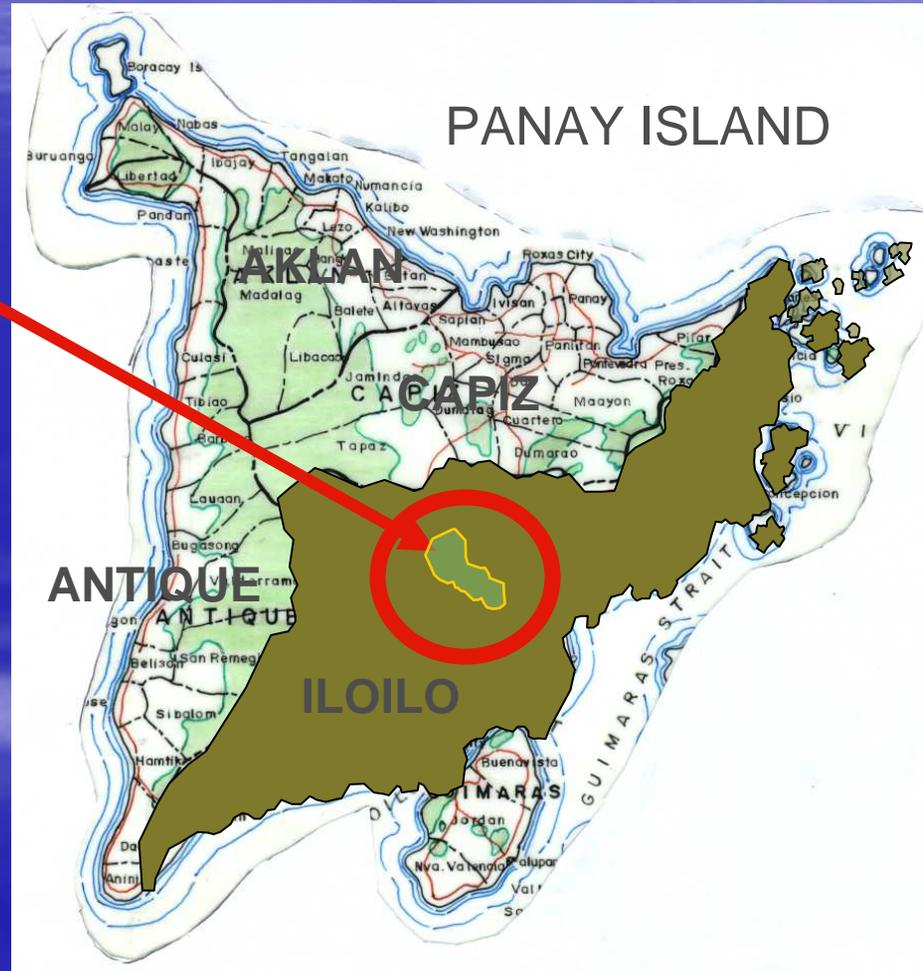
Chairman, KAPAWA-Maasin

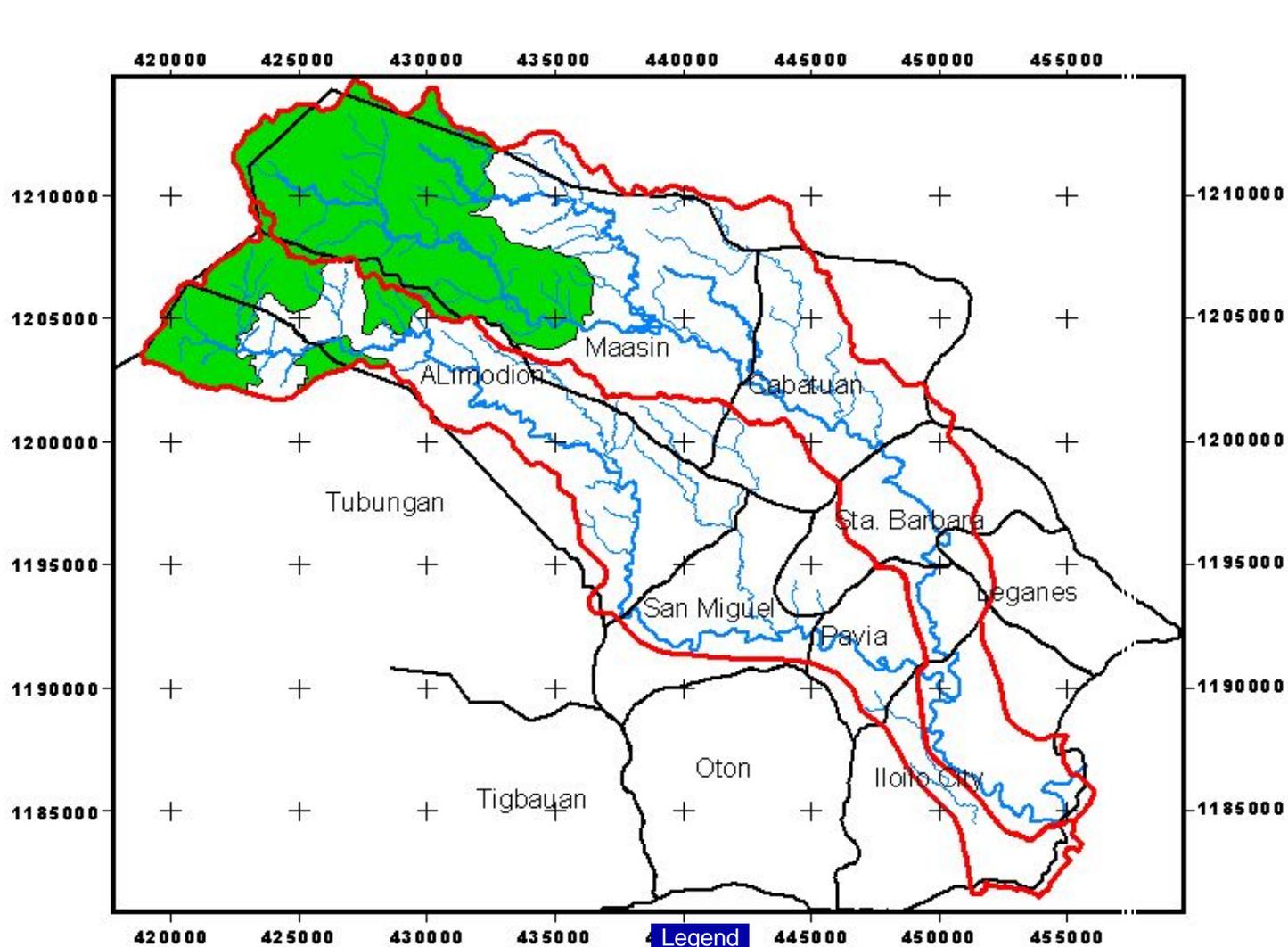
THE PHILIPPINES

# Basic Information



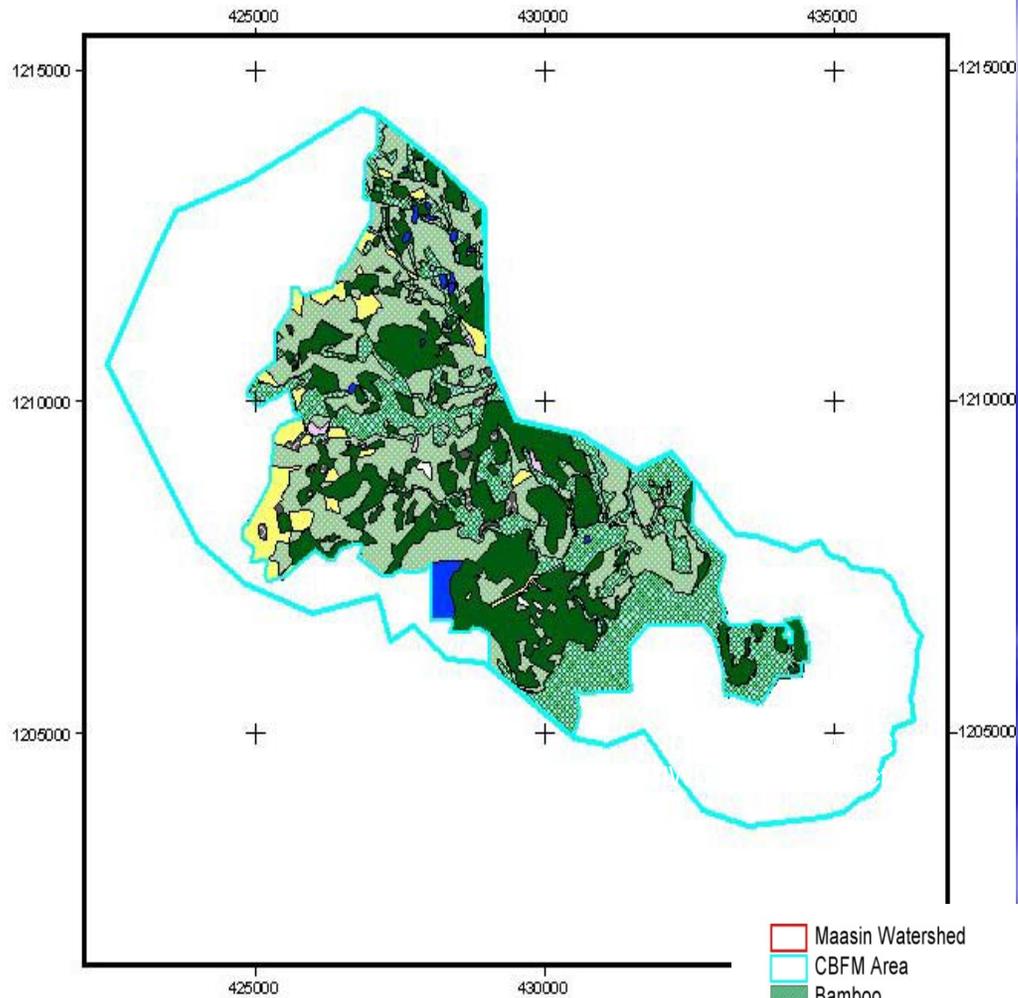
**LOCATION**





**Legend**

-  Watershed divide
-  A & D of Tigum Aganan Watershed
-  Municipal Boundary
-  Timberland of Tigum Aganan Watershed
-  Tigum Aganan River
-  Salog River
-  Creek



-  Maasin Watershed
-  CBFM Area
-  Bamboo
-  Reforestation Project
-  Agroforestry Project
-  Rattan Plantation
-  Landslide
-  Cliff
-  MEDC



## MAP SHOWING

### THE CBFM and Other LAND USES Within the MAASIN RIVER WATERSHED

LOCATION:  
Municipalities of Maasin,  
Cabatuan, Sta. Barbara, Pavia,

SCALE = 1:100,000  
AREA = 46,281.304 has.

# The Maasin Watershed





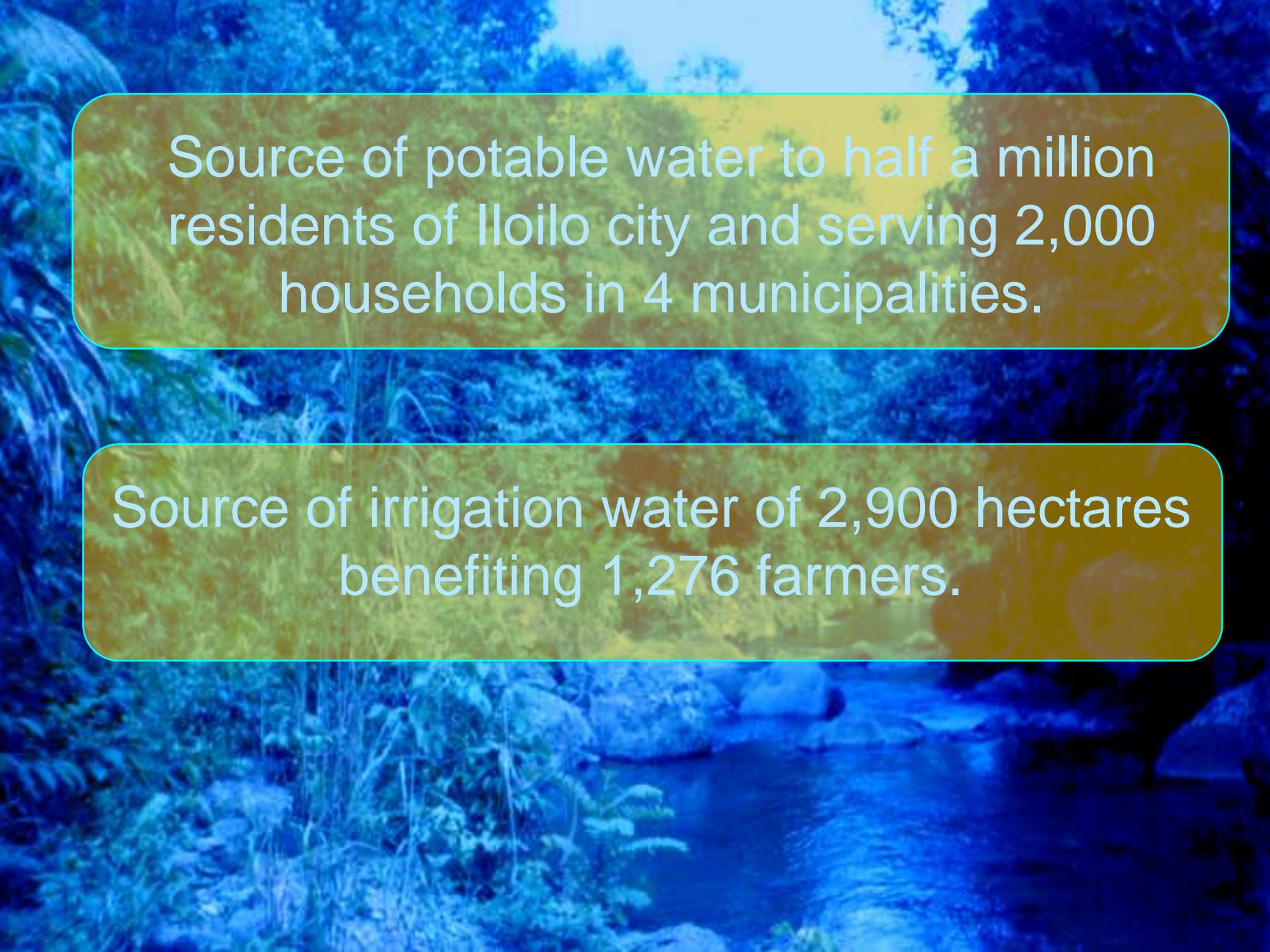
The watershed covers 3 municipalities, 16 brgy and 80 sitios.



Maasin Watershed  
Reservation was created  
through Proclamation No. 16  
dated February 12, 1923.



*TOTAL AREA*  
*6,738.52 has.*



Source of potable water to half a million residents of Iloilo city and serving 2,000 households in 4 municipalities.

Source of irrigation water of 2,900 hectares benefiting 1,276 farmers.

# *MAASIN WATERSHED BEFORE*



1985

# COMPELLING SITUATION IN 1990s

- ✓ 64% of the watershed was open/cultivated.
- ✓ Watershed resource potential critically diminishing



# COMPELLING SITUATION IN 1990s

Only 35% of the household water requirements of Iloilo city and nearby municipalities could be supplied,



✓ .

# COMPELLING SITUATION IN 1990s

Shortage of  
irrigation water  
during dry  
season reducing  
yield.



# COMPELLING SITUATION IN 1990s

10,400 people living within and adjacent to the watershed were dependent on the watershed for their livelihood, income and existence.



# MAJOR INTERVENTIONS



## Rehabilitation

LGU Maasin (Riverbank).....81 has.

Provincial Task Force (Reforestation)....500 has

DENR

    GOP funded, (Refo/Agroforestry).....1,070 has.

    OECF funded (Reforestation).....100 has

KAPAWA Maasin (JBIC Funded).....2,905 has

MIWD and other Sectors (Refo).....492.30 has.

# MAJOR INTERVENTIONS

## Watershed protection

1 m support fund from MIWD (year 2000)

Hiring of forest guards by LGU Maasin and province of Iloilo

Creation of PAMB composed of 16 brgys., 3 mun., NGOs, and other sectors

# MAJOR INTERVENTIONS

Rehabilitation of 9.46 km. farm to market road through JBIC Infrastructure support fund. Done in CY 2002-2003.



# MAASIN WATERSHED UNDER COMMUNITY-BASED FOREST MANAGEMENT PROGRAM HIGHLIGHTS OF ACCOMPLISHMENTS

Organized KAPAWA Maasin composed 16 brgys in three municipalities with 1,661 total members as CBFMA holder with an area of 3,415.92

Installed Subproject Site Management Office (SUSIMO).



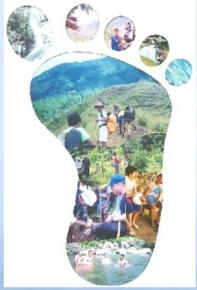
# KAPAWA as a CBFM PO Partner

- Name & Address of PO : Katilingban sang PUmuluyo nga naga –Atipan sa Watershed sang Maasin (KAPAWA-Maasin) KAPAWA Main Office, MAbini-Rizal Sts., Maasin Iloilo
- Number & Date of PO Registration : BRW Reg. No. VI-930,  
: August 15, 1997
- Number of Members : 1,576 ( covered by 16 barangays with 16 barangay associations)
- Name of the Head of PO : Rubenie Castellanes
- Total Area Covered & Location of CBFM Area : 3,415.92 hectares  
Maasin Watershed Reservation, 34 km Northwest of Iloilo City. Only about 10 kms. from Cabatuan Airport.

A wooden watchtower with a thatched roof, situated in a lush green forest. The tower is built on stilts and has a staircase leading up to it. The background is filled with dense trees and foliage.

**MAASIN WATERSHED UNDER  
COMMUNITY-BASED FOREST MANAGEMENT PROGRAM  
HIGHLIGHTS OF ACCOMPLISHMENTS**

Established and maintained of 2,905 hectares of plantations in five components. (Reforestation, Agro Forestry, Riverbank Rehab, Rattan and Bamboo)



# MAASIN WATERSHED UNDER COMMUNITY-BASED FOREST MANAGEMENT PROGRAM HIGHLIGHTS OF ACCOMPLISHMENTS

Conducted the yearly  
“Baklay Bukid”



# MAASIN WATERSHED UNDER COMMUNITY-BASED FOREST MANAGEMENT PROGRAM

## HIGHLIGHTS OF ACCOMPLISHMENTS

Organization of KAPAWA- Young Advocates for Nature (YAN)

Sustained IEC activities



# .....significant RESULTS!

- ✓ Resurgence of volunteers for site development and advocacy. (NGOs, Industries, Academe, Private and Government Sectors)
  - ✓ WVSU College of Mass Comm.
  - ✓ Petron Philippines Foundation
  - ✓ Green Forum Western Visayas
  - ✓ Philippines Pediatric Society
  - ✓ Central Philippine University
  - ✓ UP Alumni College of Surgeon
  - ✓ Aboitiz Group Transport System
  - ✓ PNP Regional Office VI



# .....significant RESULTS!

- ✓ Media advocacy and information campaign.
- ✓ Regular tree planting activities, site visit and study tours.



# .....significant RESULTS!

- ✓ Minimized open farming, kaingin making and timber poaching.
- ✓ Reduction of open areas from 64% to less than 10% in 2005.
- ✓ Increased vegetative cover and bio-diversity.
- ✓ Protected 1,910 hectares of the remaining natural forest.
- ✓ Integrated other perennial crops for additional livelihood.



# THE MAASIN WATERSHED



# Major Resources and Valuable Products

## 1. Sawali

- > Regular( Used for Rice/corn drying)

  - Dimension = 2.5 m x 5m

- > Smaller (White Strips)

  - Dimensions = 6ft x 6ft , 7ft x 7ft

2. Bamboo Poles ( Big and Small)- Can produce at least 1.0 million poles per year

3. Abaca Fibers (Class A-C) = supplies about 1- 2.0 tons per month( with marketing contract of 10-20 tons per month)

4. Rattan = 5 years and below  
(not yet harvestable)

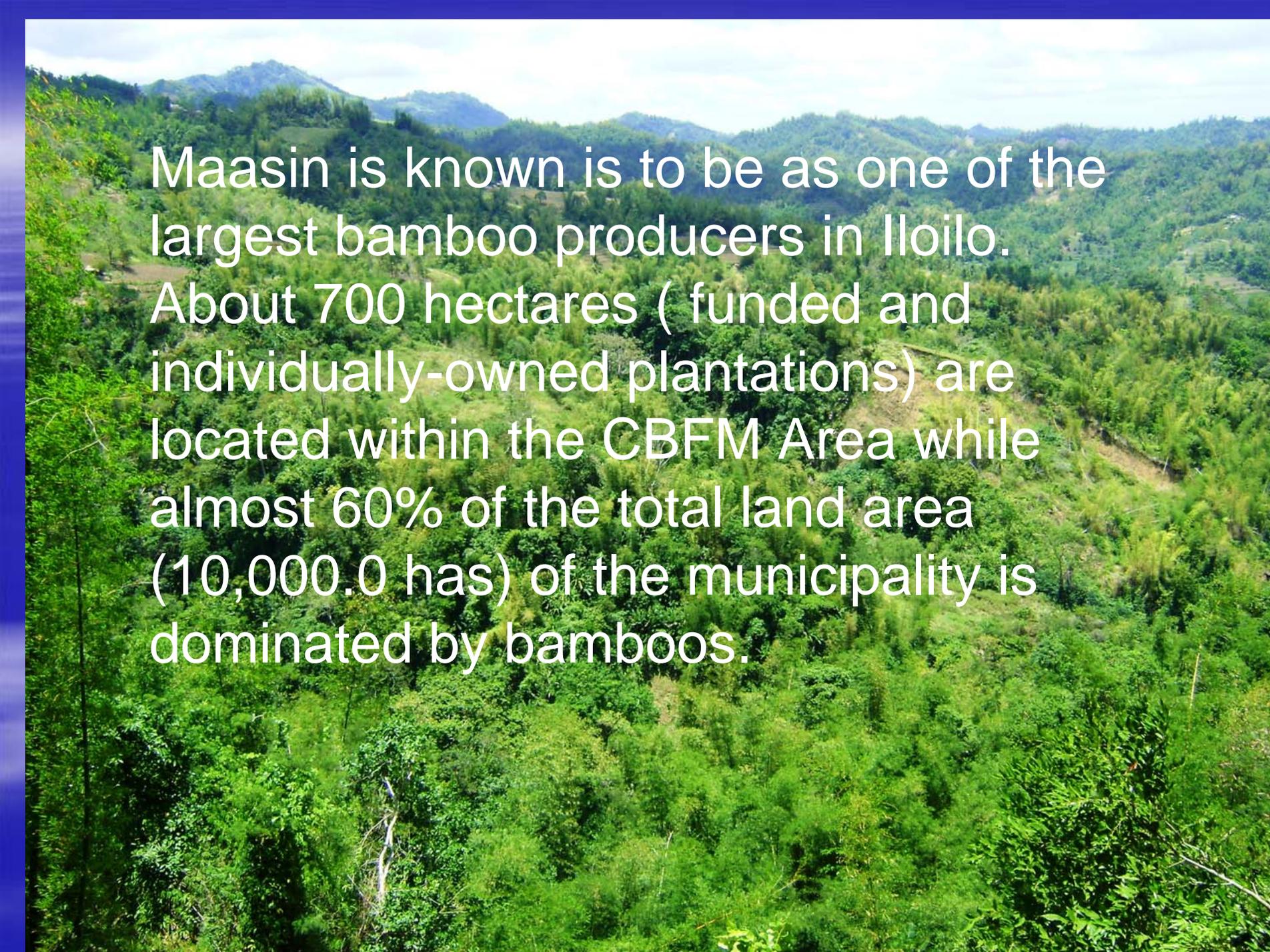
5. Coffee = Arabica variety and producing berries

# Abaca Fiber Drying



A photograph of an abaca plantation. The image is filled with large, vibrant green leaves of the abaca plant, which are characteristic of the banana family. The leaves are long and lanceolate, with prominent veins. The background shows more of the plantation, with some sunlight filtering through the canopy. A blue rectangular box with a thin black border is overlaid on the center of the image, containing white text.

Abaca Plantation of 400 hectares

An aerial photograph showing a vast, dense forest of bamboo covering rolling hills and valleys. The bamboo is a vibrant green, and the terrain is hilly with some cleared areas visible. The sky is bright with some light clouds.

Maasin is known to be as one of the largest bamboo producers in Iloilo. About 700 hectares (funded and individually-owned plantations) are located within the CBFM Area while almost 60% of the total land area (10,000.0 has) of the municipality is dominated by bamboos.



Bamboo Stripping



Ordinary Sawali (KISAME)

# New ENR Support Projects

- FAO- NZAID project on Enhancing Natural Resources Management through Enterprise Development ( ENR-ED)
- River Bank Bamboo Plantation establishment (50 .0 has) support from the Local Government of Iloilo City.
- Proposed for CY 2010 CARP-CBFM Livelihood on Abaca Production (40 has) (on pipeline)

# Concerns for Sustainability of Protection and Livelihood of communities

- Need investments for expansion of abaca plantation to meet our marketing contract.
- PO need machines and equipment to produce good quality bamboo semi-finished and finished products.
- Improvement/production of other bamboo products aside from sawali, slats/splits and poles.
- Intensify crop integration strategy in natural and reforestation component such as coffee, fruit trees and rattan.

**MARAMING SALAMAT PO!**