

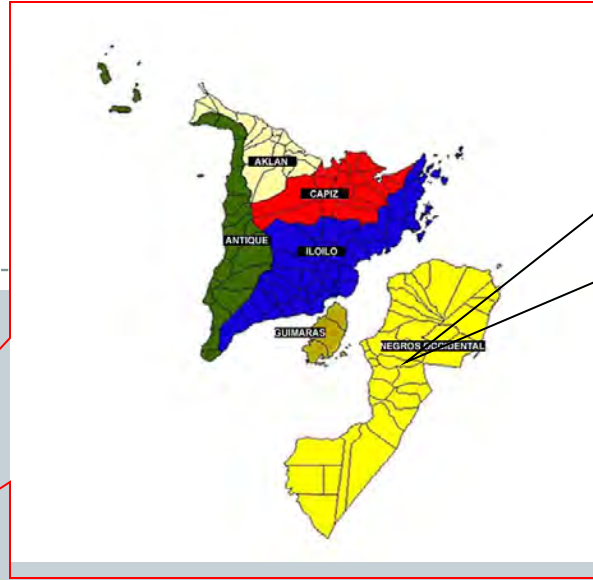
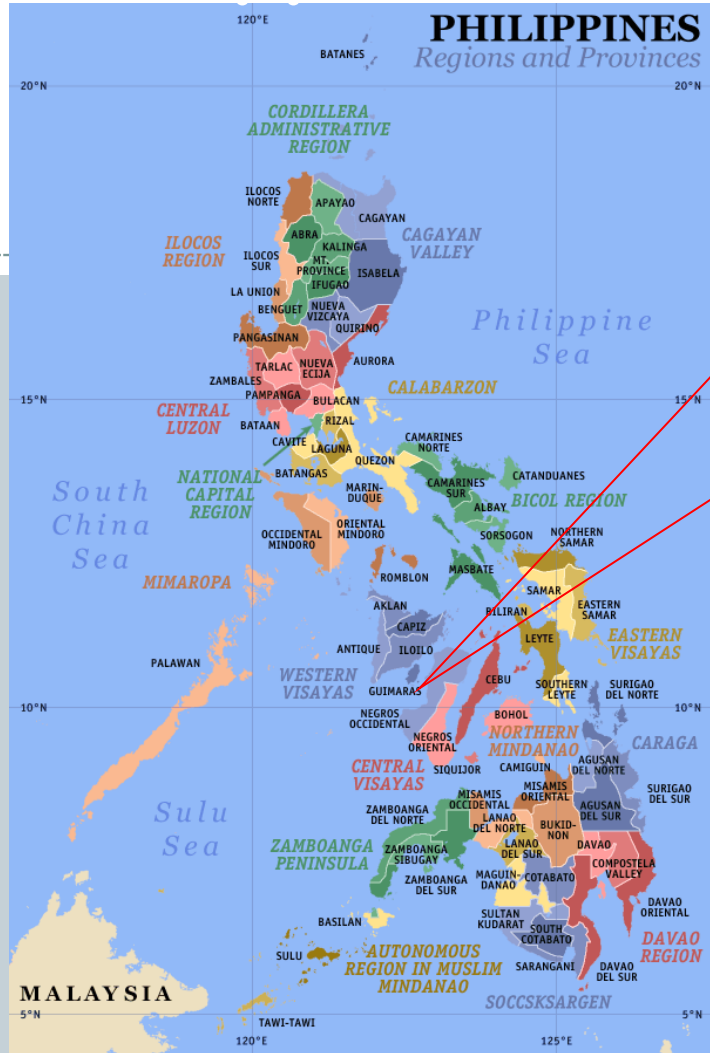


# ***Bago City: Contributing to International Efforts***

...

Vicente D. Mesias  
Public Servant, Bago City

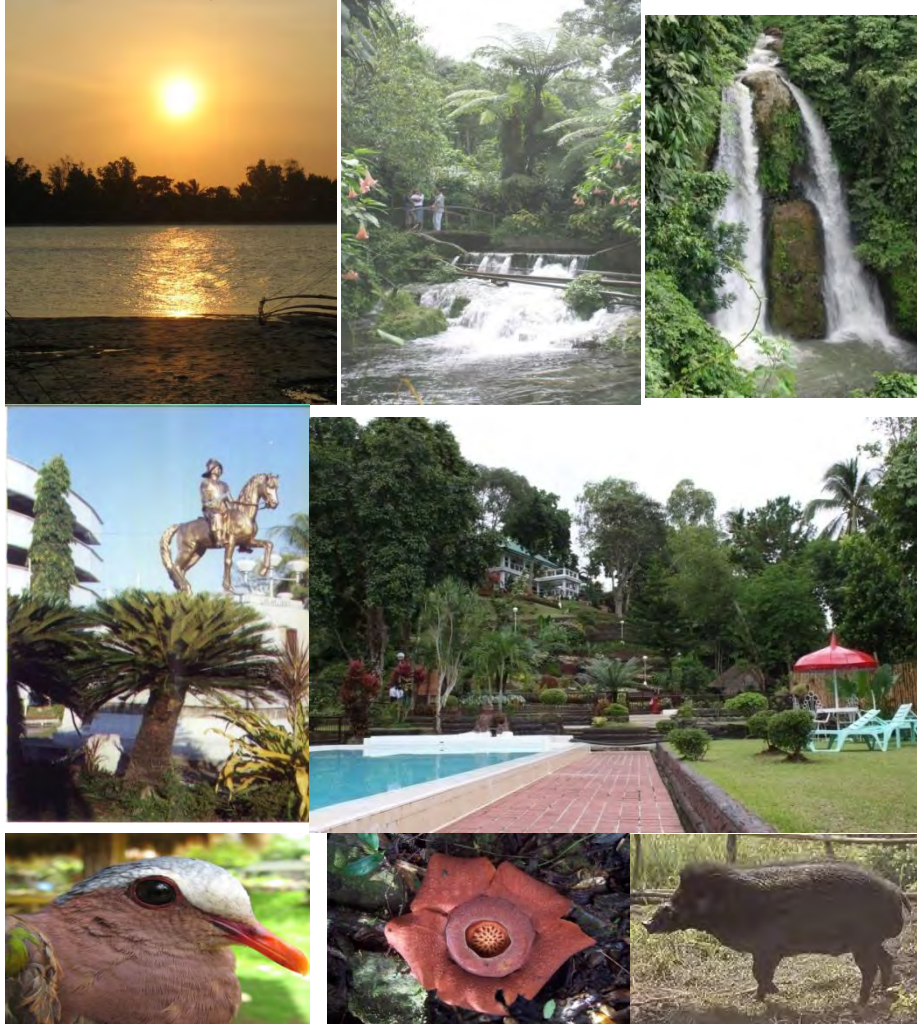
## Where in the Philippines?



Bago City is in the fourth district of Negros Occidental, particularly in the western part of Negros Island, 123 degrees longitude, 10 degrees latitude.

# Bago City, Philippines

*"Home of Historical and Natural Treasures"*



- ☺ Bago City is a 2<sup>nd</sup> Class Component City
- ☺ Land Area of 38,941.29 hectares divided in 24 Barangays; 16 rural, 8 urban
- ☺ Population of 162, 072 in 32,568 HHs
- ☺ Home of high endemism of various flora and fauna in MKNP & Mangroves



# Bago City, Philippines

*"Home of Historical and Natural Treasures"*



☺ Actual Internal Revenue Allotment of PhP420,000,000.00;  
20% IRA Fund for Development PhP 84,000,000.00

☺ ENR-dependent socio-economic activities include farming as it is considered the District Agri-industrial Center and the rice bowl of the Province; fishing as it has become a playground of Irrawady and bottle-nosed dolphins and sea turtles; manufacturing as it is the source of Viva mineral water and GSM alcohol; and eco-tourism with BAMR, RSPNC, Hidden Valley, Pataan Falls, Humberto's Resort etc.



# Environment Management Direction

## **Vision**

An ecologically balanced community  
with diverse resources effectively managed and sustainably  
utilized by its empowered and self reliant citizenry in partnership  
with a responsive  
and accountable governance.

## **Mission**

Maintaining ecological balance through effective conservation,  
protection and rehabilitation of biodiversity for sustainable  
management by capacitated community with collaborative  
assistance from the government.



# Envi-Education Initiatives

The City Government believes that a well informed constituency is a supportive populace, hence, the conduct of fora, advocacy campaigns and production of IEC materials .







# Environmental Education Workbooks and Notebooks are proofs of integration of environment education in school curricula



Environment Workbooks



## Turn-over and Distribution



## Recipients



Environment Notebooks





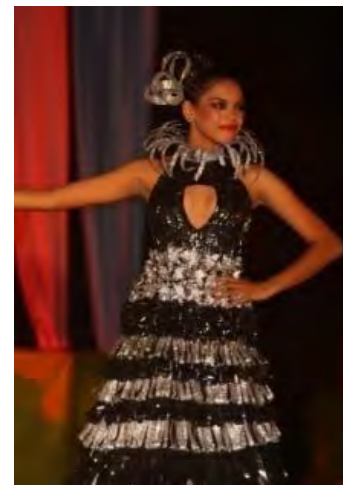
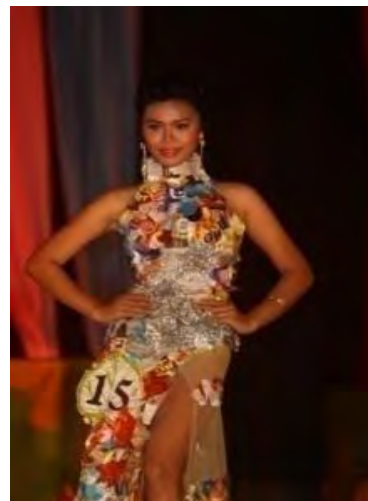
# Kasalikasan, A marriage vow with Nature...







# Rampakalikasan, A tribute to Eco-fashion...





# Crafting of Envi-Code



The City Government partnered with USLS that facilitated the multi-sectoral crafting of the Environment Code, the first of its kind in the Province





# Deputation of Envi-Police

The City Government has deputized the following DENROs serving as enforcement arms for the environment, to wit:

Bantay Katunggan                      25  
Mangrove Warden

SWM ECO-Enforcers                  57  
SWM Police

Kanlaon Green Brigade              50  
Forest Wardens

Bantay Dagat                              25  
Fish Wardens







# Kahoy Sang Kabuhi (Tree for Life) Project



Establishment of nurseries, tree parks and greenbelts are among the most important interventions continually initiated by the City Government





# Kahoy Sang Kabuhi (Tree for Life) Project

Reforestation of 100 hectares for sustainable fuel wood and charcoal production in partnership with local folks

UNFPA is funding a Youth Development Program with USLS directed at developing them into becoming envi vanguards







**Mayor Ramon D. Torres delivering a Speech during Project Launching last November 15, 2011 at Barangay Sampinit Satellite Mangrove Nursery**



## **Established Mangrove Nurseries in Four Coastal Barangays of Poblacion, Calumangan, Sampinit and Taloc**



Barangay Sampinit  
Mangrove Nursery with  
15,173 propagules and  
seedlings of Bakauan  
Pagatpat and Bungalon



Barangay Poblacion Mangrove  
Nursery with 13,330 propagules  
and seedlings of Bakauan  
Pagatpat and Bungalon



Barangay Calumangan  
Mangrove Nursery with  
8,000 propagules and  
seedlings of Bakauan  
Pagatpat and Bungalon



**Mangrove Planting inaugurated by DENR, City Officials and other stakeholders and continued by AIMATABA MPC**





**Mangrove Planting conducted by AIMATABA MPC with Bantay Katunggan Volunteers**



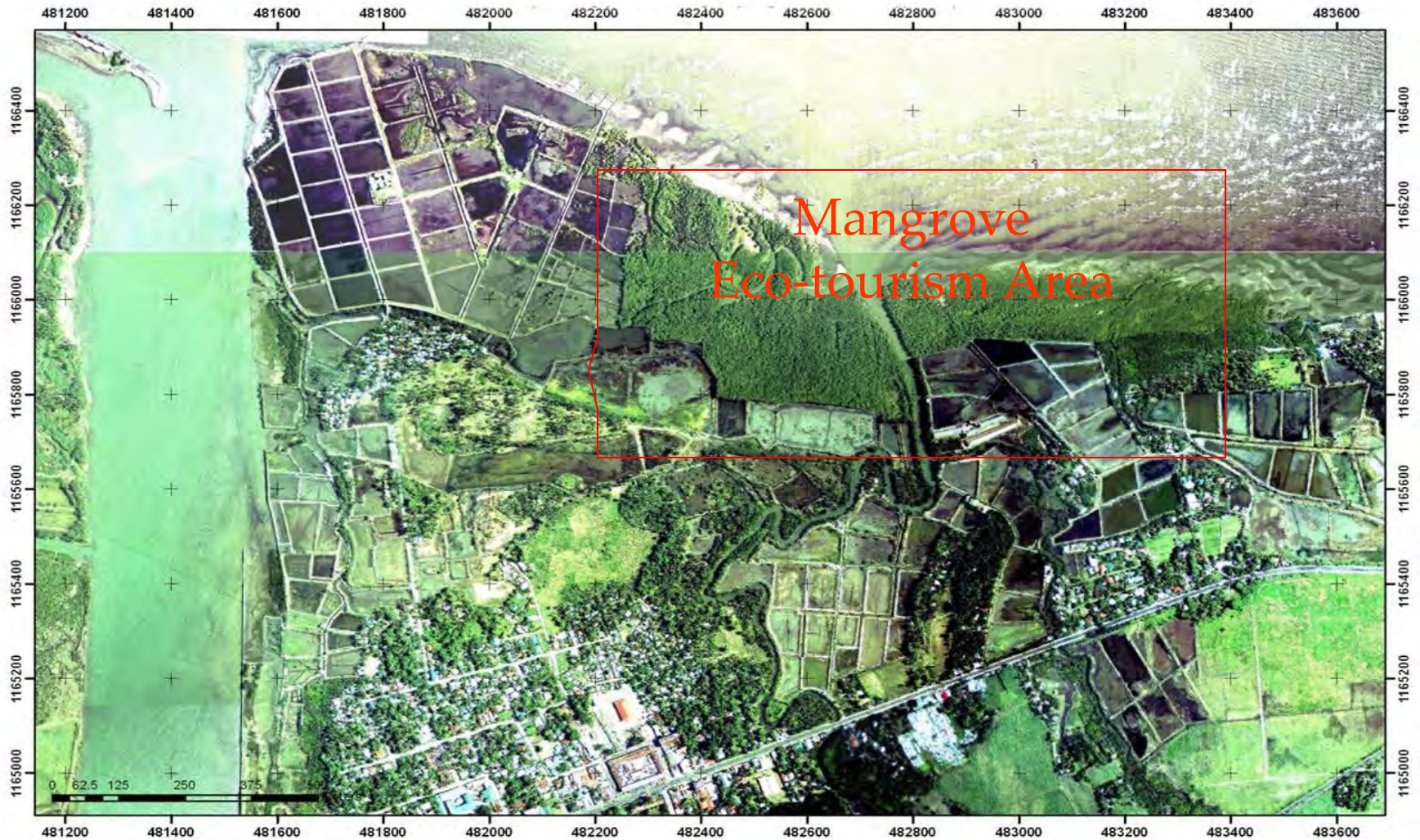


**Mangrove Planting conducted by AIMATABA MPC with  
Bantay Katunggan (Mangrove Wardens) Volunteers**





# Mangrove Co-Management Project







# Mangrove Co-Management Project



The City Government and WB-GEF is developing the facilities towards creating a community-based eco-tourism activities





# Artificial Reef for Fishes

Jackstone Type concrete artificial reefs were installed in identified fish sanctuary of the City. Today, schools of different species of fishes were already monitored by the fisher folks. 3 additional sites had been identified and awaiting funding.





# Environmental Inspection Activities



Environmental Inspection is made a pre-requisite to renewal of Mayor's Permit and License to operate a business in the City





# Clean City Hall Initiative



Environment and Client friendly initiatives of offices are monitored, assessed, recognized and given incentives

# Solid Waste Management Program



Clean  
Bago City  
Program



# Pre- KIN SWM Practices in Bago



Bago's SWM was characterized by the use of home-based conventional waste disposal such as pit system to vermin-composting, mixed waste collection and a few ambulant junkers, and garbage disposal in dumpsite and burning of wastes



# Technology Exposures

Study tour in Surabaya, Indonesia



Bago was introduced to a low-cost and low-tech source level composting system



# Takakura Composting in Bago City





## Conduct of Workshops



## Pots/Baskets Distribution



## Collection of Compostables



Dr. Koji Takakura visited Bago and transformed the SWM practices of Bagonhons through the Takakura Method of Composting



# Takakura Method of Composting



➔ 10-15  
days



➔ 7-10  
days

In Bago, black cloth is used to cover composts; rice hull, rice bran and mudpress are used as major components in the preparation of seed compost as they are abundant in the locality; and composting period is further reduced to 7 to 10 days

# Bago Takakura Composting, an Evolution



SURABAYA  
EDITION

BAGO  
EDITION 1

BAGO  
EDITION 2



# Changes in Bago SWM

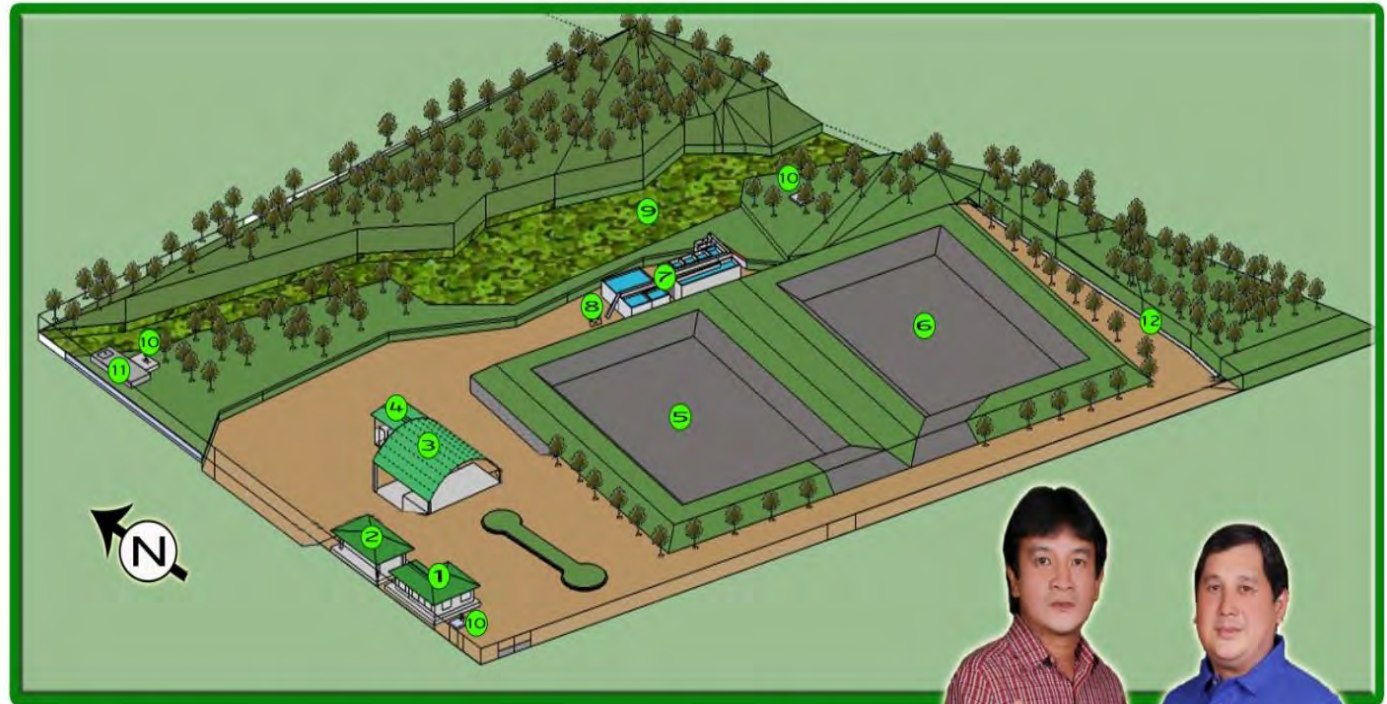


The SWM system of Bago City has been improved and it is able to share the technology to other LGUs in the country



# Domino Effects of SWM Technology Focus

Bago is the first City to establish an HDPE lined Sanitary Landfill in the entire region



Bago City Sanitary Landfill and Eco-Center

**Legend:**

- |                              |                         |                    |
|------------------------------|-------------------------|--------------------|
| ① Administration Building    | ⑤ HDPE-Lined Cell 1     | ⑨ Swamp            |
| ② Multi-Purpose Building     | ⑥ HDPE-Lined Cell 2     | ⑩ Monitoring Wells |
| ③ Material Recovery Facility | ⑦ WW Treatment Facility | ⑪ Septic Vault     |
| ④ Storage Room               | ⑧ Generator Set         | ⑫ Drainage         |



*Cio, Bago!*



# From Dumpsite to Sanitary Landfill

THEN.....



NOW!



# Domino Effects of SWM Technology Focus



## GIVE YOUR OLD BAGS A NEW LIFE



*Drop Off your plastic bags for a cause!*

A LOCAL LIVELIHOOD PROJECT IS TURNING PLASTIC BAGS INTO FASHIONABLE, CROCHETED BAGS HELPING TO REDUCE OUR IMPACT ON THE PLANET WHILE EMPOWERING A LOCAL WOMEN'S GROUP.

DONATE A BAG TODAY AND SAVE THE PLANET...  
IN MORE WAYS THAN ONE.





# Plastic bags are collected, washed and dried





# From Trash to Fashionable Bags







# Kabahin Ka Incentives Program



**Inter Brgy. Clean and Green Contest among barangays  
in the implementation of environmental initiatives**



# Inter School Clean and Green Contest among schools in the implementation of environmental initiatives



1<sup>st</sup> Place

MSC Elementary School



2<sup>nd</sup> Place

Bago City Elementary  
School



3<sup>rd</sup> Place

V. Cauntoy Elem. School



# Outcomes of the Replication Program

## Environmental

- Clean and well-maintained surroundings
- Protected and non-polluted air and water

## Cultural and Behavioural

- Increased level of awareness among the constituents
- Sense of responsibility and involvement

## Economic and Livelihood

- Additional opportunities for income
- Least cost for SWM by government

## Political

- Sense of ownership by the entire constituency
- Awards and recognitions for LGU leaders and constituency
- PRIDE for Bagonhons and LEGACY for its leaders

*“Good environment  
is good  
leadership...”*



*Go, Bago!*

[www.bagocity.gov.ph](http://www.bagocity.gov.ph)

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