



Deep Dive Workshop:
Powering the Asian Tiger with Renewables
 7 June 2016, Tuesday, 9:30- 12:30
 6 ADB Avenue, Mandaluyong City 1550, Metro Manila, Philippines



HON. GERARDO P. VALMAYOR, JR.

SAN CARLOS CITY MAYOR



USAID
 FROM THE AMERICAN PEOPLE



Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

GENESYS FOUNDATION, INC.
 GLOBAL ENVIRONMENT & NATURE CARE FOR THE 21ST CENTURY

LGU PROFILE

- Located in Northern Negros Island. Population of approximately 133,000 inhabitants

- 2nd Class Component City

- July 1, 1960 per RA 2643

- No. of Barangays: 18

- Total Length of Coastline:

- 37 Km.

- Land Area: 45,150 ha.

- More than 20,000 ha.

of forest protected area



STRATEGIC LOCATION



SAN CARLOS CITY IS AT THE CROSSROADS OF THE VISAYAS

- **Connected by New Negros Translink Highway**
- **New Multi-Million Port**
- **Abundant Natural Resources**
- **4,995 Hectares of
CARP-Exempt Land
(San Carlos Corridor)**
- **400 Hectares
PEZA-Approved Special Economic Zone**

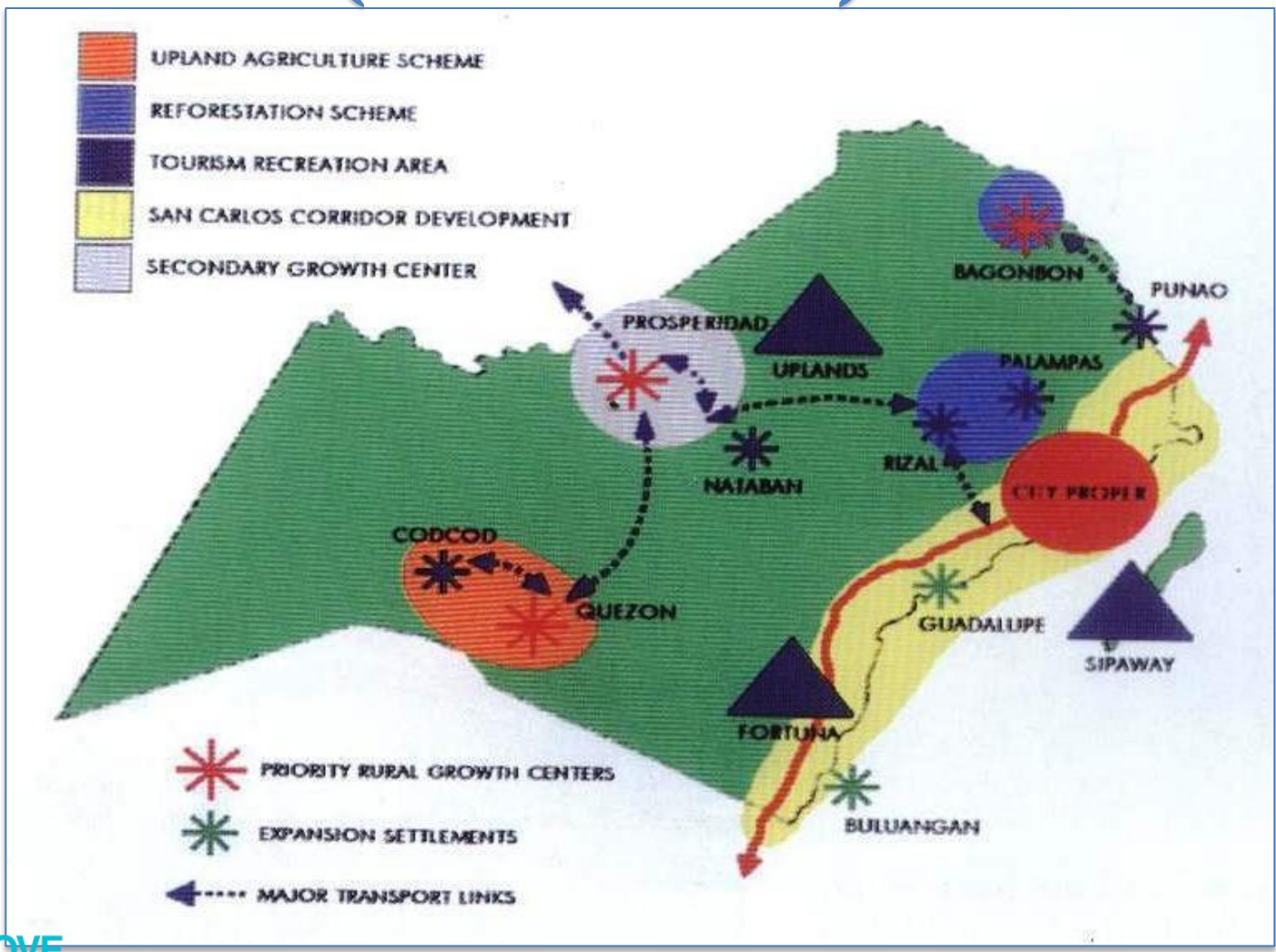
VISION

To become an exemplary modern agro-industrial zone and a new town that will be distinct, memorable, economically viable, socially responsible and in balance with the environment.

MISSION

To achieve food self-sufficiency and security, resources based diversified and balanced agro-industrialization and eco-tourism that is complemented with efficient and effective delivery of basic socio-economic services, dynamic political leadership and strong public and private partnership for suitable and environmentally friendly development activities.

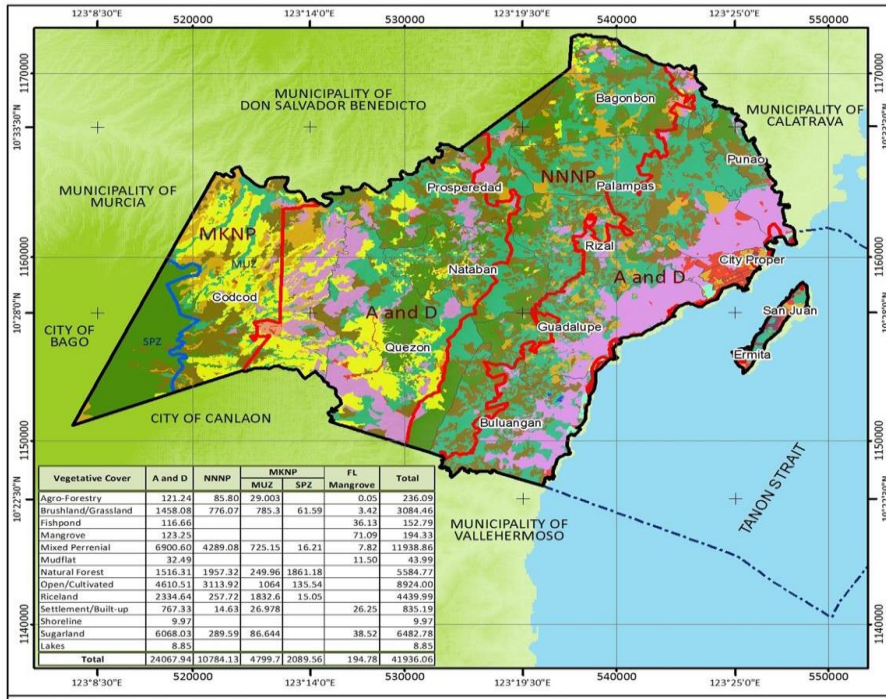
20-YEAR MASTER PLAN FOR ECONOMIC AND SOCIAL DEVELOPMENT (2000 - 2020)



RIDGE-TO-REEF APPROACH IN PROTECTING THE ENVIRONMENT



FOREST PROTECTION PROGRAMS



Northern Negros Natural Park
Rehabilitation and Protection Program

Mount Kanlaon Natural Park
Rehabilitation and Protection Program

Integrated Bago River Watershed
Development Program



SAN CARLOS CITY, PHILIPPINES

WATERSHED MANAGEMENT

Water Levy for Watershed Development

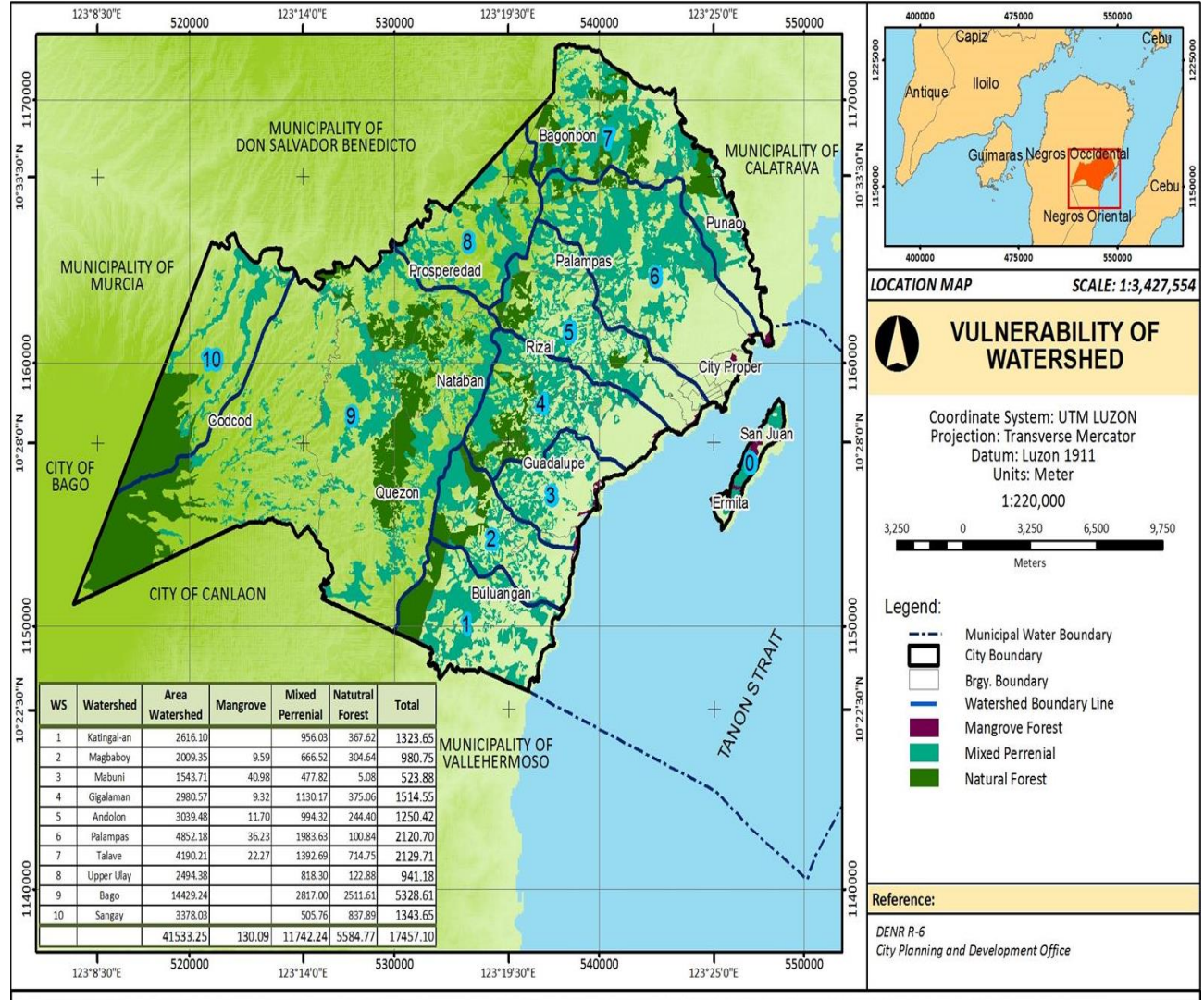
For each cubic meter of water, the city government charges 1.00 Peso which goes to a trust fund for watershed development and protection



WATERSHED MANAGEMENT

Water Levy Fund

The San Carlos City Development Board has reforested more than **500 hectares** of idle and marginal land, not only helping the environment but also providing 1,000 individuals with additional source of income in seedling production and forest establishment activities.



LOCATION MAP SCALE: 1:3,427,554

VULNERABILITY OF WATERSHED

Coordinate System: UTM LUZON
 Projection: Transverse Mercator
 Datum: Luzon 1911
 Units: Meter
 1:220,000

3,250 0 3,250 6,500 9,750
Meters

Legend:

- Municipal Water Boundary
- City Boundary
- Brgy. Boundary
- Watershed Boundary Line
- Mangrove Forest
- Mixed Perennial
- Natural Forest

Reference:

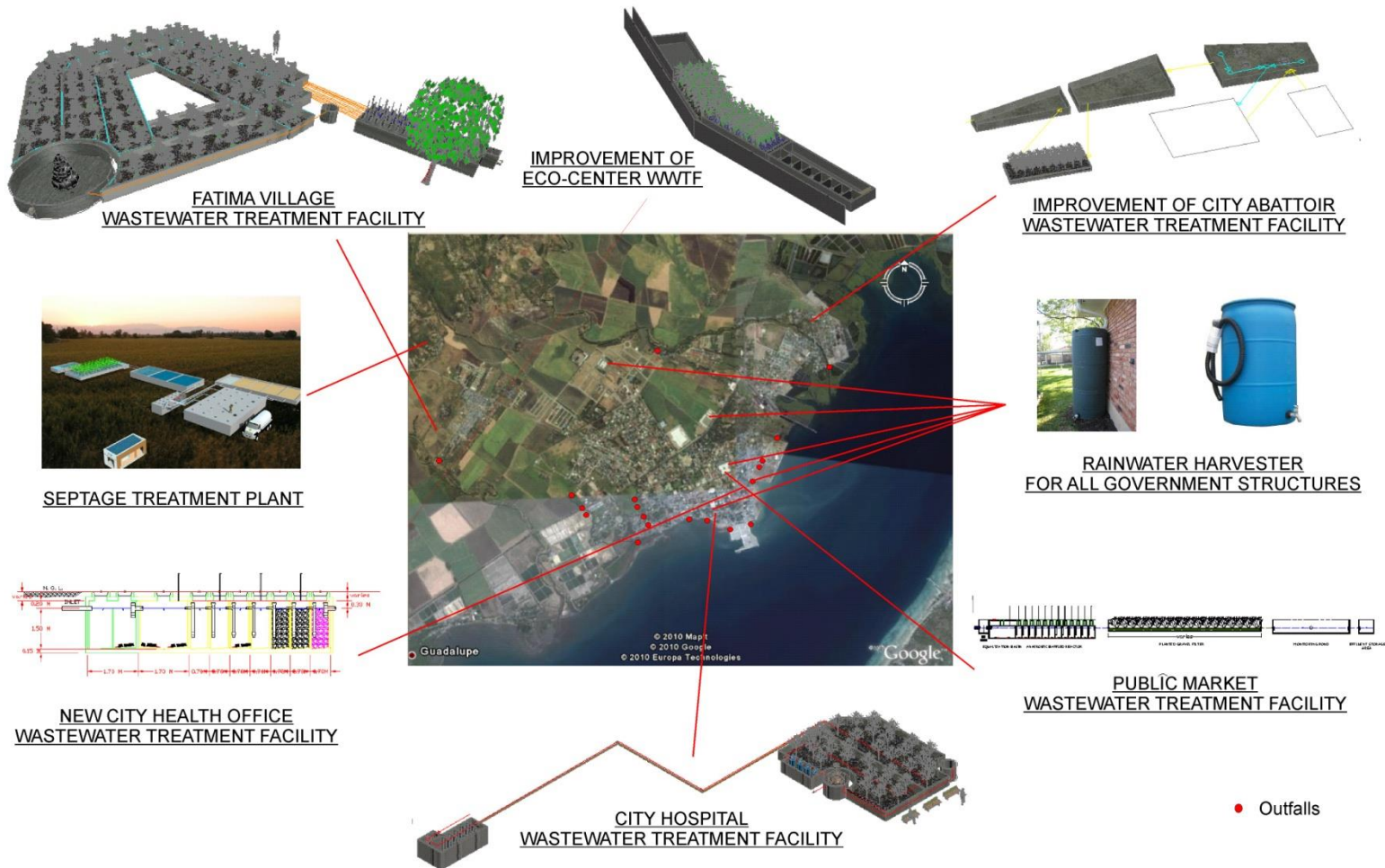
DENR R-6
 City Planning and Development Office

SAN CARLOS CITY, PHILIPPINES



WASTEWATER MANAGEMENT

WWM Plan



WASTEWATER MANAGEMENT

Completed Projects

Wastewater Management Projects	Appropriation
1. Improvement of City Abattoir Wastewater Treatment	Php 483,350.00
2. New City Health Office Wastewater Treatment Facility	PhP 280,000.00
3. Rainwater Harvester at the Public Transport Terminal	PhP 150,000.00
4. Installation of a Rainwater Collection and Distribution System for the New City Hospital	Php 2,901,795.00
5. Construction of New City Hospital Wastewater Treatment Facility	Php 1,775,000.00
6. Improvement of Eco-Center WWTF	PhP 124,340.00
Total	Php 5,714,485.00



SOLID WASTE MANAGEMENT

Final Disposal Facility

- Eco-Center

Project Site Layout

Eco-Center Area = 5 Hectares

Vital Facilities:

1. Material Recovery Facility (MRF)
2. Sanitary Landfill (SLF)
3. Leachate Treatment Facility
4. Composting Facility

Area of SLF = 2 Hectares or 20,000sq.m.

Initial Cell = 6,600 sq.m.



SAN CARLOS CITY, PHILIPPINES

SOLID WASTE MANAGEMENT

Final Closure of Old Dumpsite



SOLID WASTE MANAGEMENT

Lifestyle Change Program

- Year I - 2003

An Ecological Solid Waste Management (ESWM) Information Education & Communication Campaign for the Urban Areas

- Year II - 2004

An ESWM Information Education & Communication Campaign for the Lowland and Upland Rural Areas and Lowland Urban Areas



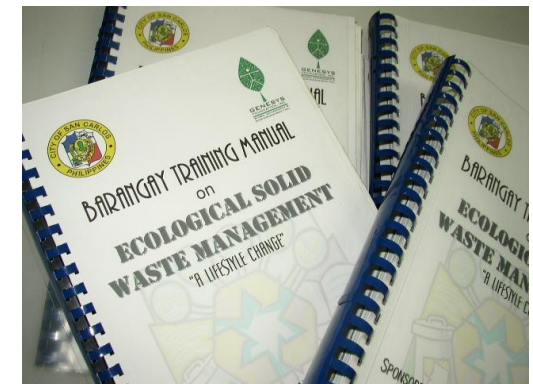
House-to-House Campaign



Road Shows & Recoridas



Campaign Materials



SOLID WASTE MANAGEMENT

Lifestyle Change Program

- Year III - 2005

An Integrated SWM Information, Education & Communication Campaign - Monitoring and Evaluation of the Implementation of R.A. 9003 by all Barangays

- Year IV - 2006

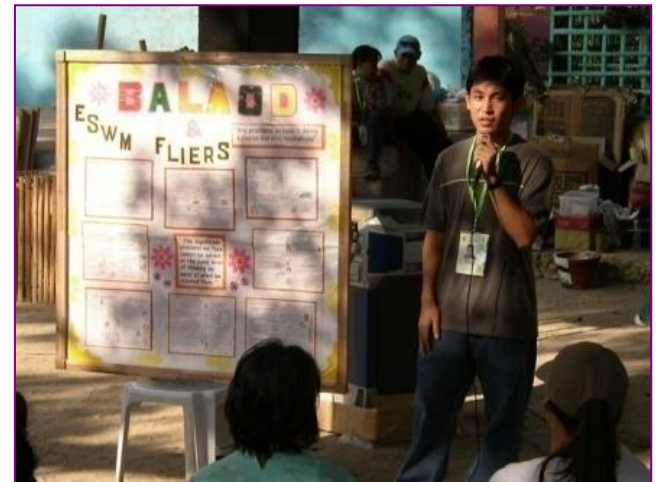
Participative Formulation and Installation of a Monitoring & Evaluation System, Policies and Procedures for a Sustainable ESWM Program

- Year V - 2007

Integration of Information Team to SWM Office for a sustainable IEC Program of the LGU



Monitoring and Evaluation/
Re-orientation

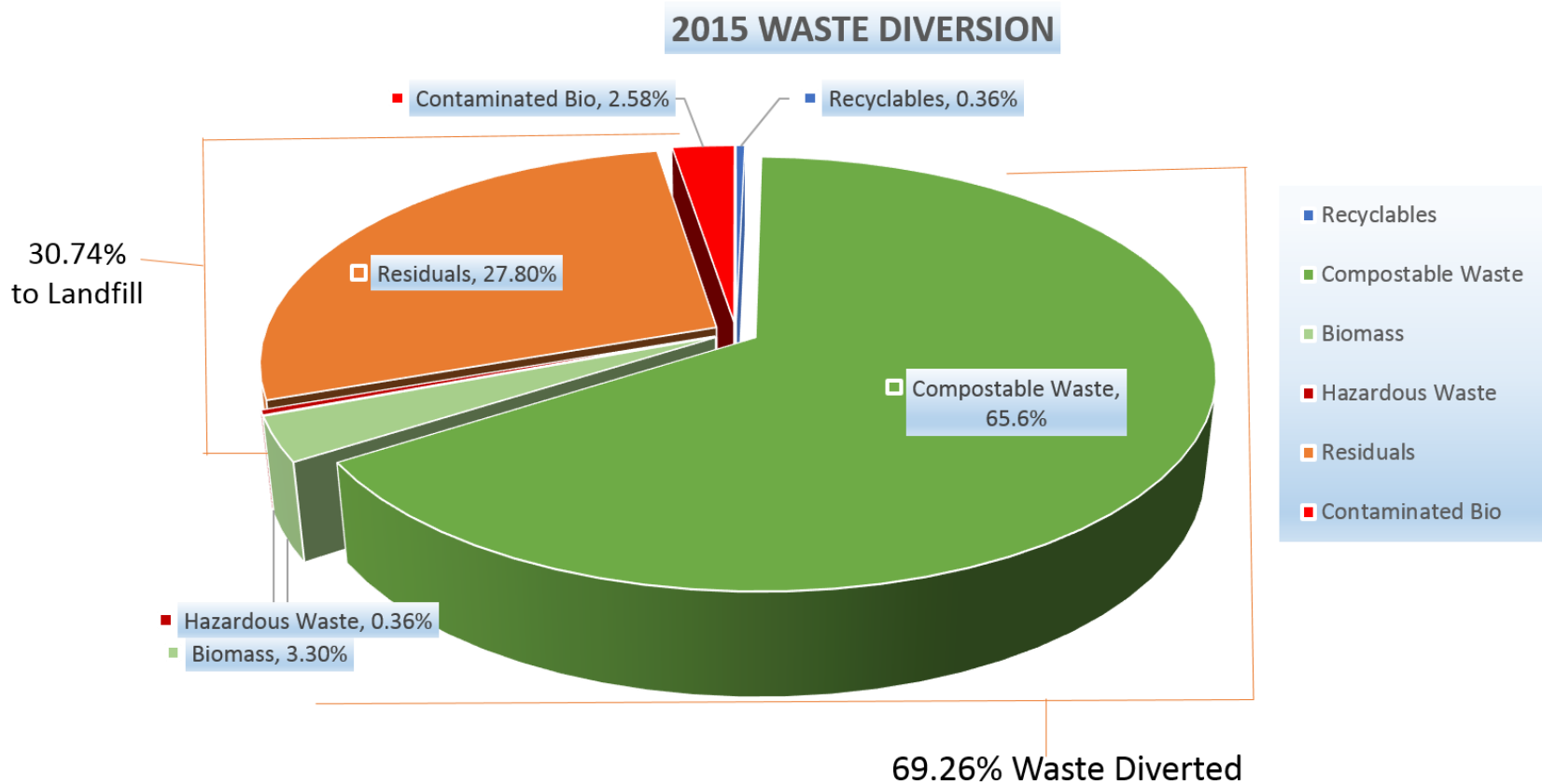


Trainer's Training Workshop

SOLID WASTE MANAGEMENT

Eco-Center Operation

- Waste Minimization and Increased Waste Diversion



COASTAL RESOURCE MANAGEMENT

Programs and Activities

Bantay Dagat Program

Coastal Resource Management Program

Establishment of Marine Protected Area

Protection of Mangrove Areas

Fisheries and Aquatic Resources Management Program

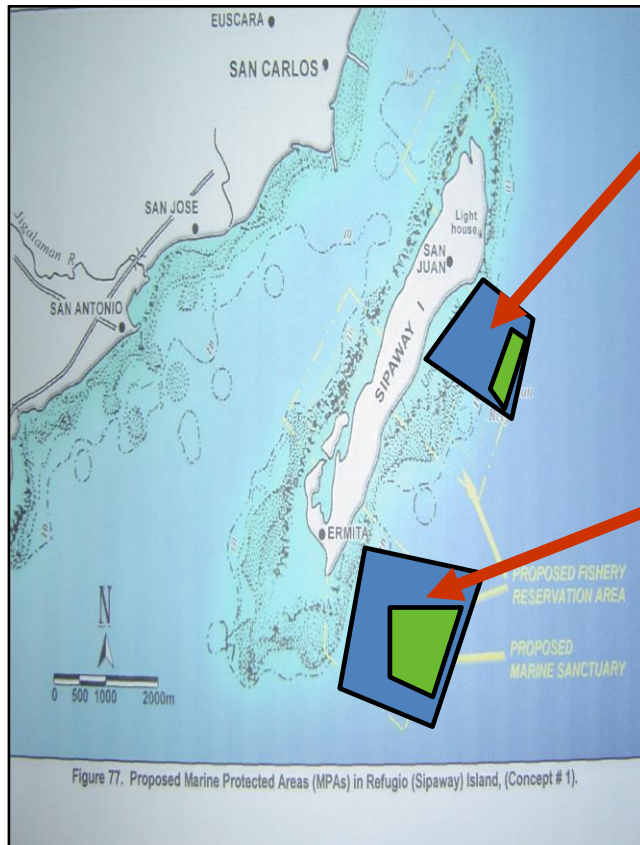
Day and Night Seaborne Patrol Operations

Enforcement



COASTAL RESOURCE MANAGEMENT

Sketch Map of the Marine Protected Areas



MPA of Brgy. San Juan
Total Area – 96 has.

Marine Sanctuary – 25.75 hectares
Fishery Reservation Area- 70.25 has.

MPA of Brgy. Ermita
Total Area – 215.4 has

Marine Sanctuary – 59.0 hectares
Fishery Reservation Area – 156.4 has

RENEWABLE ENERGY PROJECTS



Ethanol Plant

The Philippines' First Integrated Fuel Ethanol and Power Cogeneration Facility.



San Carlos Solar Power



Bio-Power
(On-Going Construction)



San Carlos Sun Power



SAN CARLOS CITY, PHILIPPINES



San Carlos Bio-Energy, Inc. (SCBI)



The first fuel Bioethanol distillery and Co-generation facility in the country and Southeast Asia.

SOLAR ENERGY

San Carlos Solar Energy, Inc.



The first large scale Solar Power Plant in the country that is expected to have a total gross of 45 MW to be developed in two phases. The solar farm will provide supplemental electricity to an area of short supply and increasing demand for power.

San Carlos Sun Power, Inc.



San Carlos Sun Power (SaCaSun), has completed the construction and commissioning of its 59-MW solar power project in Negros Occidental and is now exporting power to the Visayas grid.

Biomass

San Carlos Biopower





The 19MW Biomass Power Plant will be fuelled by sugarcane and other agricultural trash

FUTURE R.E. PROJECTS

Wind and Mini-Hydro Power Plants



LOCAL LEGISLATION


 Republic of the Philippines
 Province of Negros Occidental
 City of San Carlos
 

City Ordinance No.08, Series of 2012 Environment Code

Chapter IV, Section 4E.14 – Prohibited and Punishable Acts

The following acts are prohibited:

- Spitting, defecating and urinating in public places.
- Disposing of human and animal feces and urine into municipal waste stream, in rivers, creeks, streams, etc.
- Setting out for collection of unsegregated and uncontained waste.
- Non-provision of segregated and labeled waste bins in commercial, Institutional and Industrial establishments, including motorized and non-motorized passenger vehicles and marine vessels (boats, bancas, ferries, etc.), traversing through territorial jurisdiction of the City of San Carlos.
- Allowing privately owned waste bins or contained/bundled waste on the curb or street before collection time.
- Littering, throwing, dumping of wastes in public or open spaces and parks, thoroughfares or roads, sidewalks, drain canals, esteros, creeks, rivers, seas, seashores, beaches and establishments, or causing or permitting the same.
- Open dumping, burying of mixed waste materials in non-flood-prone areas.
- Open burning of mixed waste, plastics and rubber tires.

Section 4E.16 – Administrative and Penal Provisions –

a) Any person who violates Items 1,2,3,4 and 5 shall be penalized, as follows:

First Offense - a fine of THREE HUNDRED PESOS (=P=300.00) or to undergo One (1) day environmental orientation seminar with community service

Second Offense - a fine of FIVE HUNDRED PESOS (=P=500.00) or render three (3) days community service relative to solid waste management activities.

Third and Succeeding Offense - a fine of ONE THOUSAND PESOS (=P=1,000.00)

b) Any person who violates Items 6,7 and 8, shall be penalized, in accordance with the provisions stipulated in R.A. 9003.

Ordinance No. 08



NO SMOKING
 "STRICTLY NO SMOKING" as per Ordinance No. 14-04
 Violators can be fined up to P 2,500.00 or imprisonment or BOTH
 Report violation to the PNP HOTLINES
 [(034) 312-9166; 729-4646; 0908-377-0204]

Ordinance No. 14-04

SAN CARLOS CITY
NOISE ORDINANCE
 City Ordinance No. 14-36
"SAN CARLOS CITY SOUND AND NOISE REGULATORY ORDINANCE OF 2014"

Ordinance No. 14-36

San Carlos City
Green City
 City Ordinance No. 14-53, Series of 2014
"BYOB Bring your own Bag / Bayong"
NO To Plastic Bags
YES To Reusable Bags
Effective May 1, 2015

Ordinance No. 14-53

AWARDS AND RECOGNITIONS

Galing Pook Awards

NATIONAL LEVEL

1995- Buluangan Fishport Project

1996- Homelot Program

1997- Daan sa Kaunlaran

2000- Punong Kahoy sa Bawat Pumanaw

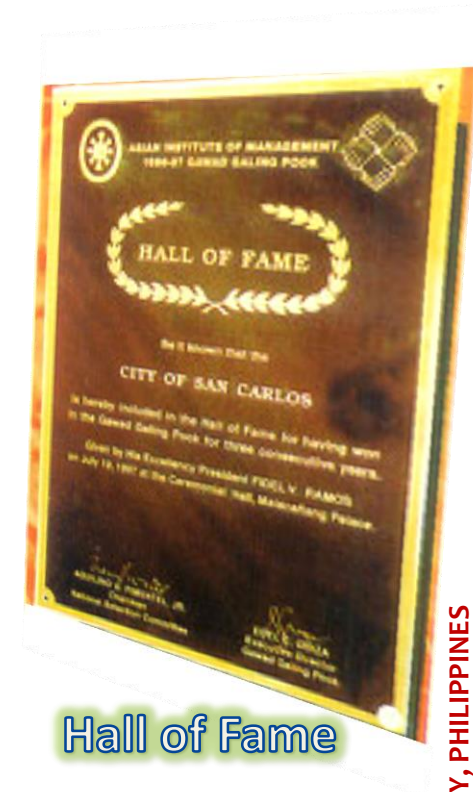
2007- Water Levy Project

2008- Sustainable City Project

2008- Award for Continuing Excellence



Award for Continuing Excellence



Hall of Fame

SAN CARLOS CITY, PHILIPPINES

AWARDS AND RECOGNITIONS

Galing Pook Awards

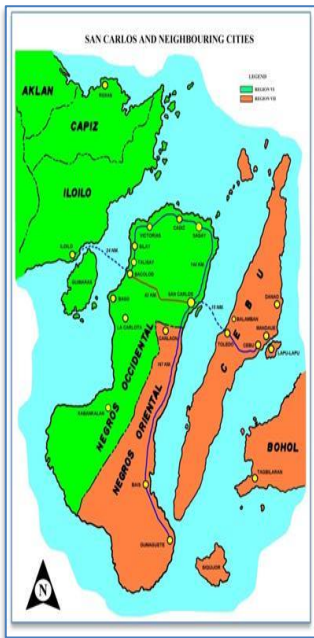
1996- Homelot Program



AWARDS AND RECOGNITIONS

Galing Pook Awards

1997- Daan sa Kaunlaran



SAN CARLOS CITY, PHILIPPINES

◦ ENVIRONMENTAL MANAGEMENT PROGRAM

AWARDS AND RECOGNITIONS

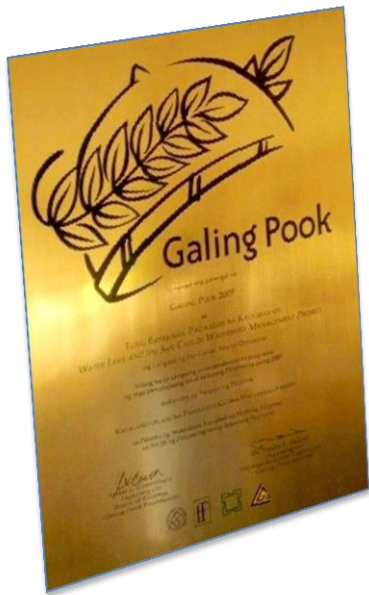
Galing Pook Awards

2000- Punong Kahoy sa Bawat Pumanaw

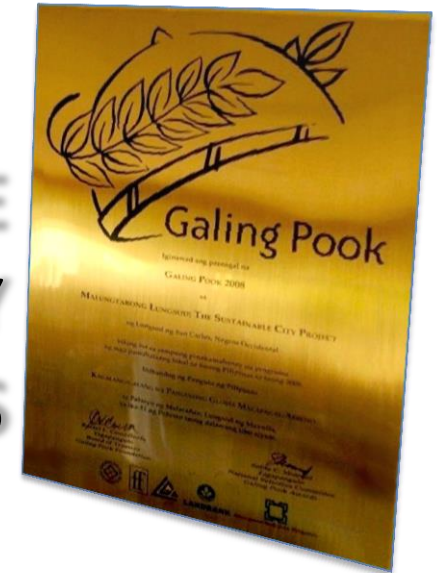


Tree Park. After five (5) years, the bones will be transferred and buried underneath the adopted/planted tree at the Memorial Tree Park

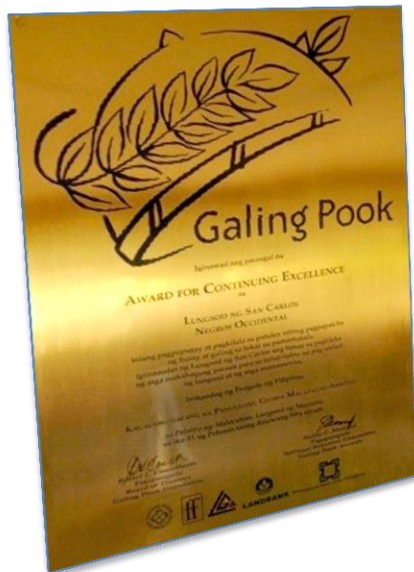




2007- WATER LEVY AND WATERSHED MANAGEMENT PROJECT



2008- THE SUSTAINABLE CITY PROJECTS



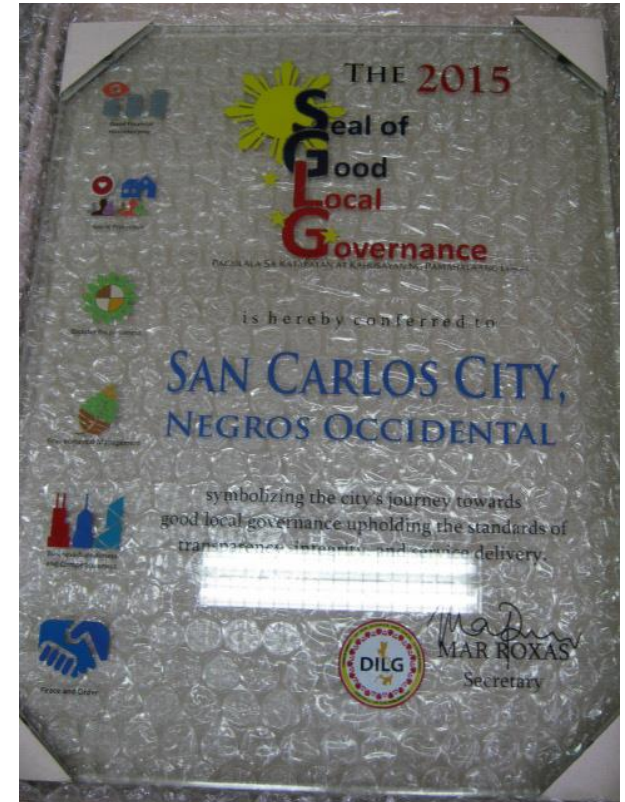
2008- AWARD FOR CONTINUING EXCELLENCE

AWARDS AND RECOGNITIONS

REGIONAL LEVEL



Seal of Good Local Governance



SAN CARLOS CITY, PHILIPPINES

◦ ENVIRONMENTAL MANAGEMENT PROGRAM ◦

AWARDS AND RECOGNITIONS

Excellence in Local Governance (HALL OF FAME)

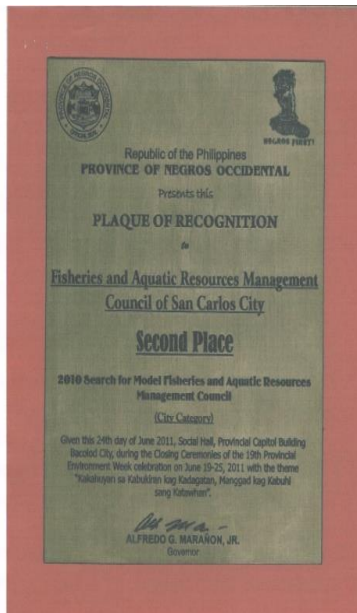
REGIONAL LEVEL



AWARDS AND RECOGNITIONS

NATIONAL LEVEL

- Semi Finalist, “Gawad SAKA” National Search for Outstanding FARM-C 2010
- Received Plaque of Recognitions



AWARDS AND RECOGNITIONS



**Seal of Good Environmental Governance Year I
– Bronze Seal**



**Seal of Good Environmental Governance
Year II – Silver Seal**

PROVINCIAL LEVEL



**Outstanding Environment & Natural
Resources Office**

AWARDS AND RECOGNITIONS



REGIONAL LEVEL



1st PLACE

“ECO-CENTER PROJECT”

3rd RDC VI Best Public Sector Projects Awards
in the Provincial/City Government Units Category

held at the New Government Center of Bacolod City on May 14, 2009

AWARDS AND RECOGNITIONS

1st Place: Zero Basura Olympics 2009
(Awarded at Malacañan Palace)

NATIONAL LEVEL



SAN CARLOS CITY, PHILIPPINES

AWARDS AND RECOGNITIONS

AWARDEE OF 2011 PRESIDENTIAL LINGKOD BAYAN AWARD (GROUP CATEGORY)



Solid Waste Management Office for outstanding work performance and exceptional service to the government and the people in this year's Search for Outstanding Public Officials and Employees.

NATIONAL LEVEL



AWARDS AND RECOGNITIONS

INTERNATIONAL LEVEL



ASEAN Environmentally Sustainable City



Seameo Japan ESD Awards



ASEAN Eco-Schools Award

- INTEGRATED WASTE MANAGEMENT PROGRAM

AWARDS AND RECOGNITIONS

INTERNATIONAL LEVEL

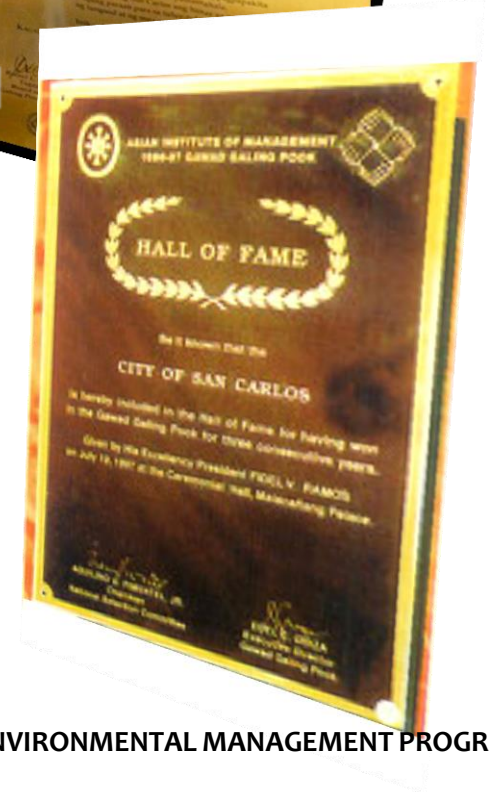
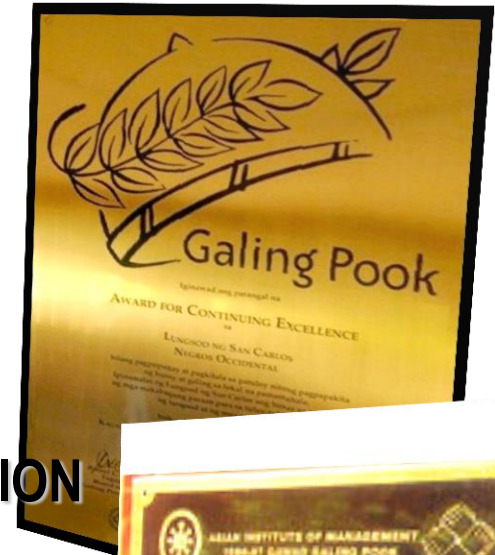


Awarded as the 2nd Most Liveable City in the World (75,000-150,000 Population) with Special Whole City Award in the UN-Backed 2011 International Awards for Liveable Communities held Oct. 27-31, 2011 at Songpa, Seoul, South Korea

AWARDS AND RECOGNITIONS

FORMULA

POLITICAL WILL
+
SELF-RELIANCE
+
INNOVATIVENESS
+
PEOPLE PARTICIPATION /CONSULTATION
+
TRANSPARENCY
=
San Carlos City
TODAY





**WE LOVE
CITIES**

JOIN YOUR FAVORITE
CITY ON ITS JOURNEY
TO SUSTAINABILITY



WE LOVE SAN CARLOS



www.sancarloscity.gov.ph

www.welovecities.org/san-carlos



Thank you and good day!