













- ILOILO SAN CARLOS GUIMARAS Panay Gulf NEGROS CEBU OCCIDENTAL NEGROS ORIENTAL

- Located in Western Part of PH. Population of approximately 133,000 inhabitants
- 2nd Class Component City
- Land Area: 45,150 ha.
- Has 3 Protected Areas under NIPAS: North Negros Natural Park, Mount Kanlaon Natural Park and Tanon Strait Protected Seascape
- About 17,000 ha. Of Forest Protected Area
- Has 2 Marine Protected Areas (MPA): Covering a total of 312 ha.
- 464 ha. Mangrove Forest

Partners































SAN CARLOS BIOENERGY, INC.















Why San Carlos?



Emerging Renewable Energy Hub in the Country















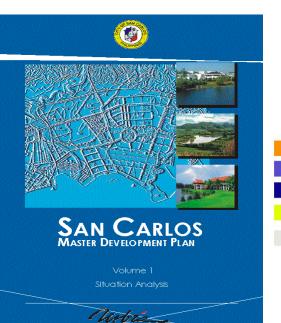
- Proximity to 4 Visayan Capitals
- Abundant Natural Resources
- Environment Friendly
- Good Peace and Oder
- Progressive and Competent Local Government
- 400 Hectares: PEZA-Approved Special Economic Zone











- Establishment of key energyefficient infrastructures
- Economic productivity
- Social development initiatives
- **Environmental** protection

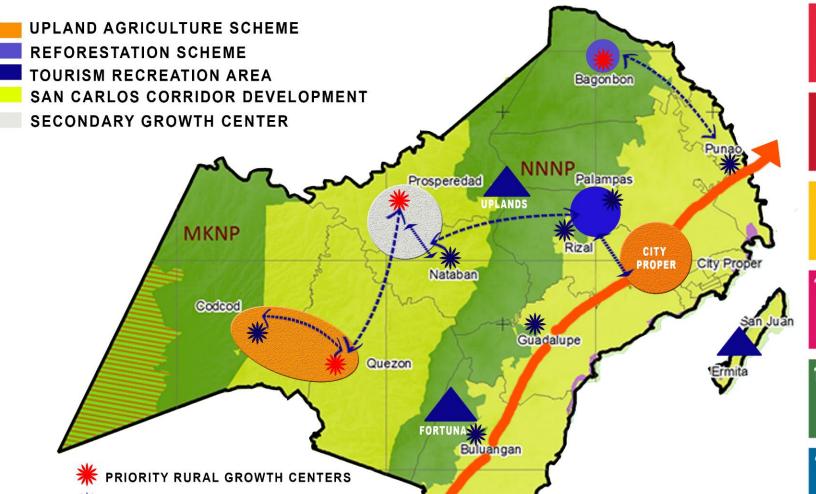
EXPANSION SETTLEMENTS

----> MAJOR TRANSPORT LINES

San Carlos Development Board, Inc.







































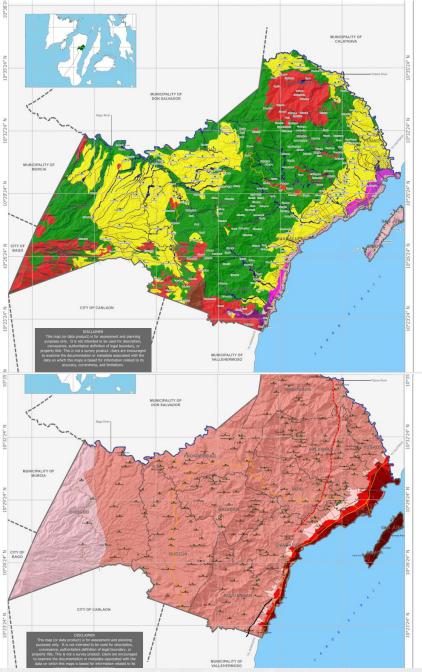


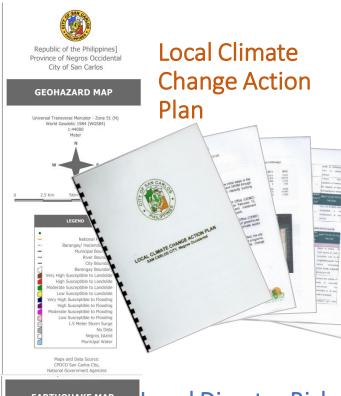














Local Climate Change and Disaster Plans

- Conservation & Protection of Protected Areas (MKNP, NNNP & TSPS)
- Resettlement with livelihood Programs outside protected areas
- Training on Renewal (RE) crop production
- Erosion/Flood control with bio-engineering application
- Ecological Sanitation & Protection Program
- Repair & Maintenance of existing irrigation facilities
- Dev't. of New Irrigation Facilities
- Dev't. of Farm to Market Roads
- Resettlement to higher areas
- Reduce the impact of flooding incidence caused by hydro-meteorological hazards
- Mitigate the impact of landslide caused by ground shaking or precipitation
- Mitigate the impact of earthquake (seismic or tectonic)
- Prevent fire and mitigate its impact







Homelot Program



Homelot for the Poor (Phase I – VI)







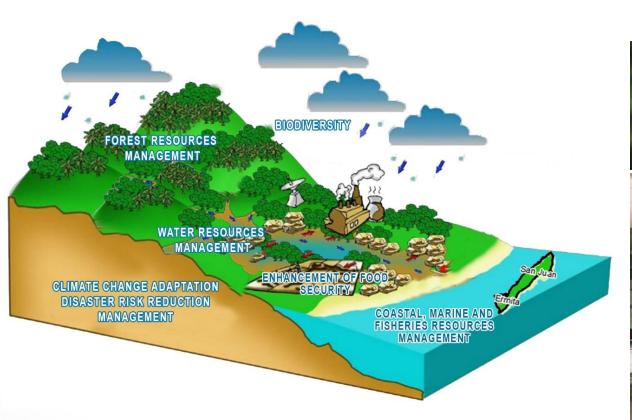






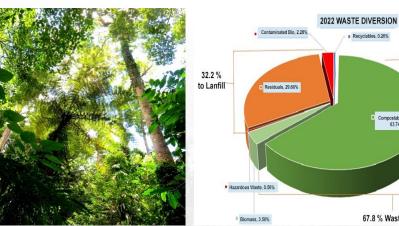


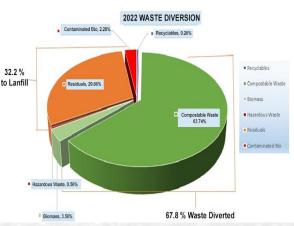






- **Integrated Waste** Management
- **Coastal Resource** Management
- **Forest Protection** Management
- **Biodiversity Program**
- Climate Change Program
- Mineral Regulation
- Pollution Control Management
- Enforcement

















Water Levy for Watershed Development Project



- For each cubic meter of water, the city government charges 1.00 Peso which goes to a trust fund for watershed development and protection
- Has reforested more than 900 hectares of idle and marginal lands
- Providing 1,000 individuals with additional source of income in seedling production and forest establishment activities

















- Help farmers maintain their livelihoods, increasing family income and enhancing the crop diversity
- Ensured environmental stability
- Prevent soil erosion
- Mitigation of Carbon Dioxide
- Increase in Biodiversity
- Prevent Climate Change
- Increase soil fertility







Promote Eco-Tourism Sustainable Goals





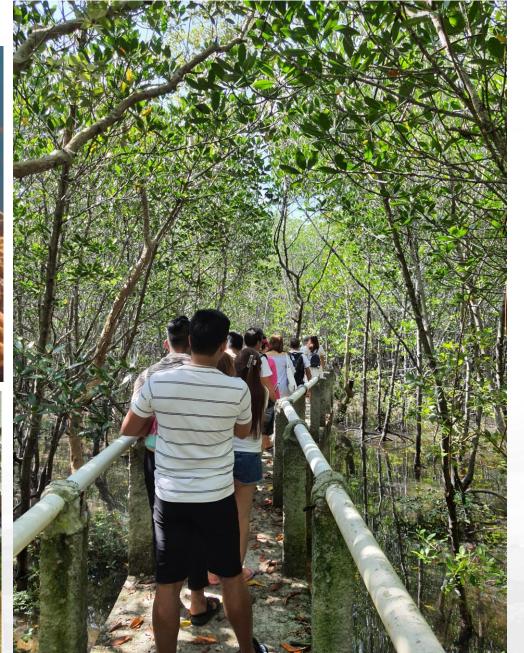




Increased in Tourist Arrival from 20,053 in 2021 to 75,685 in 2022

















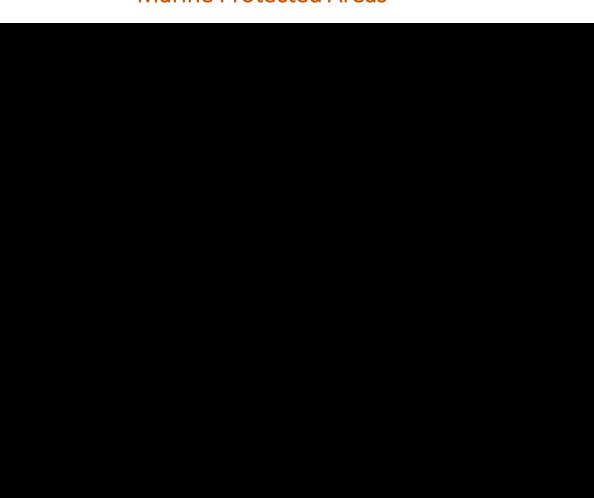




Fish Forever Program



Marine Protected Areas



- **Ecological Improvements:**
 - Increased in hard coral cover to 55.4%
 - Increased in biomass inside MPA (100MT)
- Socio-Economic and Cultural **Benefits**
 - Increase in fish catch to 169%
 - Increase in tourist arrival
 - -Increase in User's Fee
- Governance
 - -Increased awareness
 - -Increased community participation
 - -Increased job opportunities for local residents







Various Renewable Energy Sources

Establishment of Renewable Energy Projects



- Ethanol Plant
 - Produces 125,000 liters of biofuels daily
- San Carlos Solar Power
 - 45MW
- San Carlos Sun Power
 - -59MW
- Biomass Power Plant
 - -19MW
- Other Benefits
 - Provides more than 400 regular jobs
 - Provides 4,000 jobs during peak of construction stage
 - Generates more than \$2,000,000 annually through the 1% share, real property tax, development and livelihood, etc.







GHG Inventory



SAN CARLOS CITY -COMMUNITY LEVEL GHG INVENTORY (Base Year:2015)

HG Emissions Summary		
Emission Source	GHG Emissions (tonnes CO₂e)	Proportion of Total Emissions
Scope 1 Emissions (Net of Forestry and Land Use)		
GHG Emissions from Community-Level Residential Stationary Fuel Use	215.16	0.25%
GHG Emissions from Community-Level Commercial Stationary Fuel Use	736.51	0.86%
GHG Emissions from Community Mobile Combustion	3721.54	4.35%
GHG Emissions from Solid Waste Disposal - IPCC FOD Method*	0.00	0.00%
GHG Emissions from Other Solid Waste Treatment (ICLEI)*	0.00	0.00%
GHG Emissions from Solid Waste Open Burning (ICLEI)*	0.00	0.00%
GHG Emissions from Wastewater Treatment and Discharge	0.00	0.00%
GHG Emissions from Community-Level Agriculture (Crops)	17959.20	20.97%
GHG Emissions from Community-Level Agriculture (Livestock)	45466.68	53.08%
GHG Emissions from Solid Waste Disposal - Inside LGU Geopolitical Boundaries (ICLEI)	9.45	0.01%
GHG Emissions from Wastewater Treatment and Discharge (Other Sources)	0.00	0.00%
GHG Emissions from Industrial Processes and Product Use	0.00	0.00%
Scope 1 Emissions/Removal (Forestry and Land Use)		
GHG Emissions from Forestry and Land Use	0.00	0.00%
GHG Removal from Sink	-172655.19	-201.58%
Total Scope 1 Emissions	68,109	79.52%
Scope 2 Emissions		
GHG Emissions from Purchased Electricity at Community-Level Residential Sites	8442.74	9.86%
GHG Emissions from Purchased Electricity at Community-Level Commercial Sites	4651.89	5.43%
GHG Emissions from Purchased Electricity at Community-Level for All Other Sources	4445.93	5.19%
Total Scope 2 Emissions	17,541	20.48%
Scope 3 Emissions		
GHG Emissions from Solid Waste Disposal - Outside LGU Geopolitical Boundaries (ICLEI)	0.00	0.00%
Total Scope 3 Emissions		
Total Emissions	85,649	100.00%

I.C.L.E.I. GHG Team conducted community-level green house gas inventory and accounting

TOTAL OF SCOPE 1 EMISSIONS :	68, 109 TONNES
TOTAL OF SCOPE 2 EMISSIONS:	17, 541 TONNES
COMBINED EMISSIONS:	85, 649 TONNES

EMISSIONS REMOVAL (FORESTRY)

TOTAL EMISSIONS:

-87, 006.19
TO CARBON
CARBON
NEUTRAL

-172,655.19 TONNES







Awards



Hall of Fame: Best City Award



Award for Continuing Excellence

PARA EL MAR 2015, 2017 & 2023

Marine Protected Area
Awards and Recognition
FINALIST





Awarded as the 2011 2nd
Most Liveable City in the
World



ASEAN Clean Tourist City Standard 2018-2020, 2019-2021

International



ASEAN Environmentally Sustainable Cities (ESC) Award 2014 and 2017

2014



2016 Most Lovable City



Finalist One Planet City Challenge 2016 & 2018





Formula



POLITICAL WILL

SELF-RELIANCE

INNOVATIVENESS

PEOPLE PARTICIPATION / CONSULTATION

TRANSPARENCY

UNITY & CONTINUITY

San Carlos City **TODAY**

Thank You!

