



**PLANADES**

PLANNING AND DEVELOPMENT RESEARCH  
INSTITUTE (PLANADES), INC.

# COMPANY PROFILE





PLANADES

# About Us

Planning and Development Research Institute (PLANADES), Inc. is a non-stock, with company subclass non-stock/non-profit international corporation engaged in management consultancy, risk-oriented planning, professional, scientific, personal and institutional capacity building, and technical services. We provide research and extension services, academic development and training in environmental, climate-sensitive (risk-informed) urban and regional planning and related disciplines. Incorporated by a group of specialists and practitioners, its Articles of Incorporation were registered with the Securities and Exchange Commission in December 1976 with its Code of By-Laws subsequently approved the following year.

In close coordination with School of Urban and Regional Planning, University of the Philippines (UP SURP), PLANADES has since operated as a private entity engaged in promoting studies and applied research and providing technical assistance by way of consultancy/ extension services to local to international government and non-government entities. It has also supported scholarships and professional chairs, as well as the development of publications and other related areas

With the impacts of climate change, along with increased population, urbanization, and environmental degradation, PLANADES established its formal Disaster Risk Management/Climate Change Adaptation and Mitigation office in 2015 and is now called Climate Change and Disaster Risk Management (CCDRM) Unit. The creation of CCDRM Unit shows the dedication of PLANADES to mainstream DRR and CCAM (risk-informed) in policy formulation and development plans particularly in PLANADES' Projects that are related to climate change action plan priority areas; sustainable development goals 2030; and disaster risk reduction management thematic areas; including climate-sensitive (risk-informed) land-use and urban planning; and public infrastructure and housing among others.

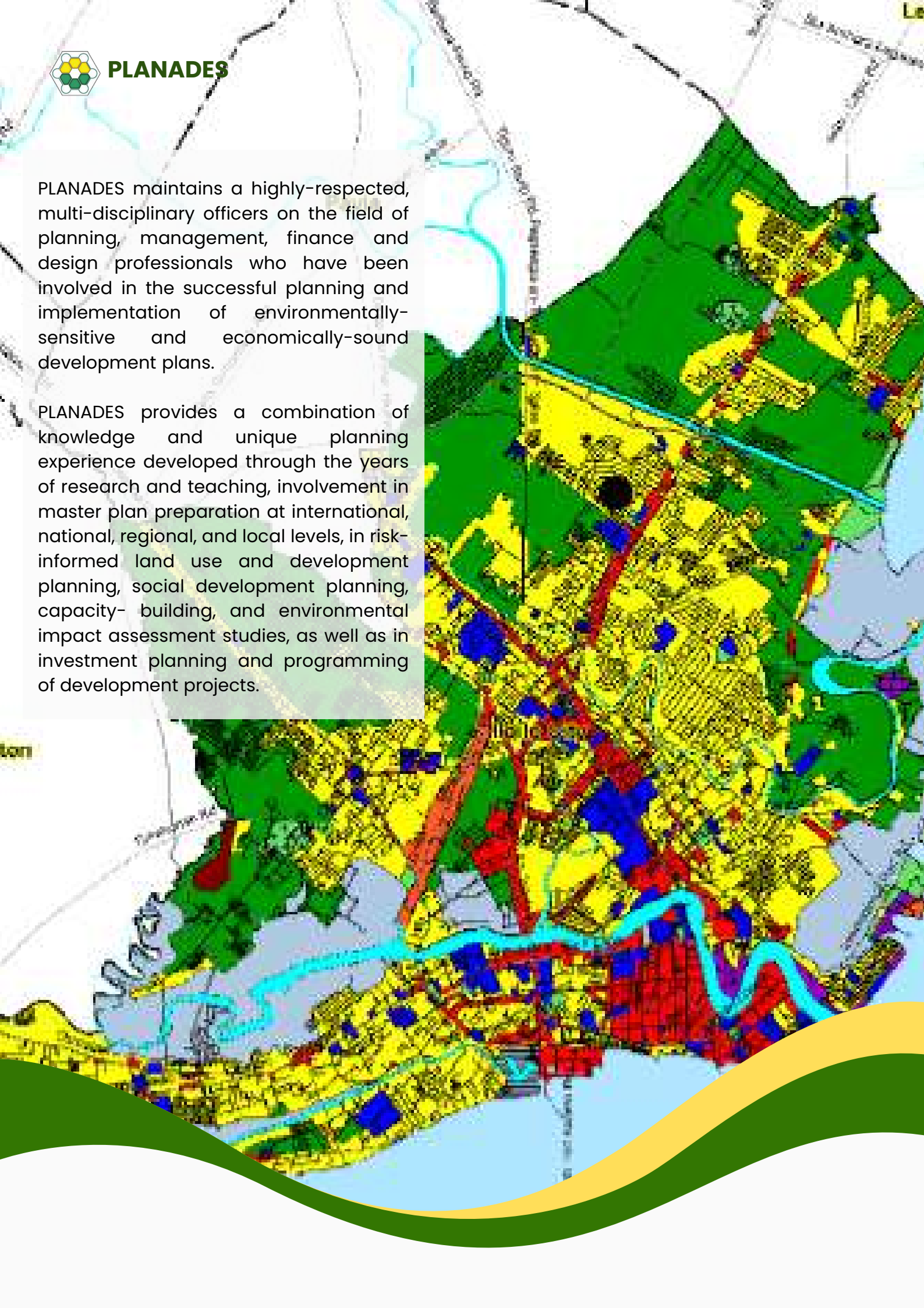
More information about the PLANADES CCDRM Unit is attached You may also visit our website at [www.planades.org](http://www.planades.org).



**PLANADES**

PLANADES maintains a highly-respected, multi-disciplinary officers on the field of planning, management, finance and design professionals who have been involved in the successful planning and implementation of environmentally-sensitive and economically-sound development plans.

PLANADES provides a combination of knowledge and unique planning experience developed through the years of research and teaching, involvement in master plan preparation at international, national, regional, and local levels, in risk-informed land use and development planning, social development planning, capacity-building, and environmental impact assessment studies, as well as in investment planning and programming of development projects.





## Why work with us

Through the years, PLANADES earned the following advantages over other consultancy firms:

### ● **STRONG TRACK RECORD**

PLANADES gained a strong track record in the preparation of Master Plan and Land Use Plans for various local governments, Government Owned and Controlled Corporations (GOCCs), and private developers;

### ● **CERTIFIED ENVIRONMENTAL PLANNING FIRM BY PRC**

Majority of its members are Licensed Environmental Planners, easily satisfying the qualification requirements of the Philippine Regulatory Board (PRC) for consultancy firms to engage in environmental planning practice under RA 10587;

### ● **MULTI-HAZARDS MODULES AND APPROACHES**

PLANADES has developed multi-hazard modules and approaches in mainstreaming CDRA for a risk-informed (sensitive) land-use and development planning based on the existing HLURB and DILG Guidelines.

### ● **MULTI-SECTORAL APPROACH IN PLANNING**

PLANADES has strong linkages with the other units of the University of the Philippines in which it can draw expertise from providing a multi-sectoral approach in planning such as the National College of Public Administration and Governance (NCPAG), the College of Engineering (CE), the National Center for Transportation Studies (NCTS), the Department of Geography, and the College of Architecture





## OUR PEOPLE

### ● CORE GROUP

The core group is composed of 21 members, the majority of whom are licensed Environmental Planners, Engineers, Geologists, Economists, Architects, Public Administrators, and other related professionals.

### ● PROJECT TEAMS

At present, there are 11 professional teams managing various projects for the period 2024–2026, as follows:

No of Team	Name of the Projects	No of Expert/s and Staff/s
1	Technical Assistance to Support Fishery Management Plan (FMP) Development, Implementation...FMA 6 and FMA 9, Philippines	35
2	Consultancy Services for the Updating of the Plan (CLUP), Zamboanga City Government	14

No of Team	Name of the Projects	No of Expert/s and Staff/s
3	Consulting Service for the Updating of Comprehensive Land Use Plan, Zoning Ordinance, Municipality of Mariveles, Bataan, Philippines	11
4	Consultancy Services for the Formulation of Calamba Comprehensive Development Plan 2024-2029	13
5	Consulting Services for the Impact Assessment of Philippine Hazard Tool Kit for the Local Government Units, Climate Change Commission Philippines	9
6	Linking Disaster Risk Governance and Land Use Planning, Technische Universität Dortmund, Germany	9
7	Pasig City Sustainable Livelihood Plan – PCLEDIO, Pasig City Government	7
8	Environmental Compliance Certificate Amendment for Pasay 360 Landform Reconfiguration, SM Smart City Infrastructure and Development Corporation,	9





## OUR PEOPLE

### PROJECT TEAMS

No of Team	Name of the Projects	No of Expert/s and Staff/s
9	Building Resilience in the Context of Rapid Urbanization: A View for Informal Communities (RURBANISE)	11
10	Assessing Urban Ecosystem Services Through Perceived and Measured Benefits	6
11	Assessment of the Feasibility of Permeable Pavement as a Stormwater Management Strategy.	6
12	Consulting Services for the Conduct of a feasibility study and the preparation of the Master Development Plan for the New Bangsamoro Government Center (BGC) in Parang, Maguindanao	35
<b>TOTAL</b>		<b>165</b>

These projects collectively involve 165 experts and staffs across multiple fields, including Urban Planning, Forestry, Climate Change, Disaster Risk Management, Engineering, Architecture, Economics, Fisheries, Sociology, Institutional Development, as well as a dedicated cadre of junior and senior researchers.

### PLANADES PROFESSIONAL MEMBERS

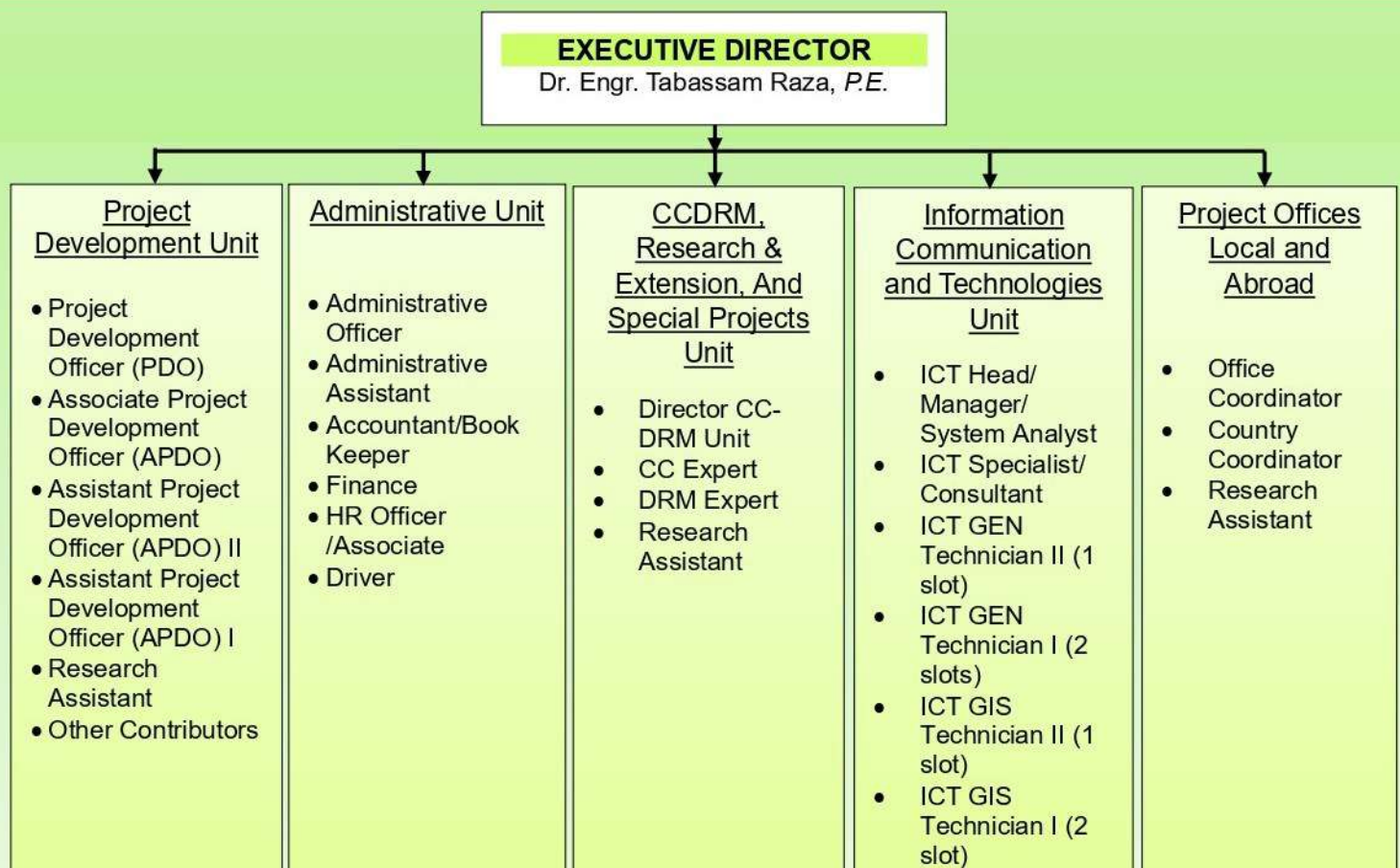
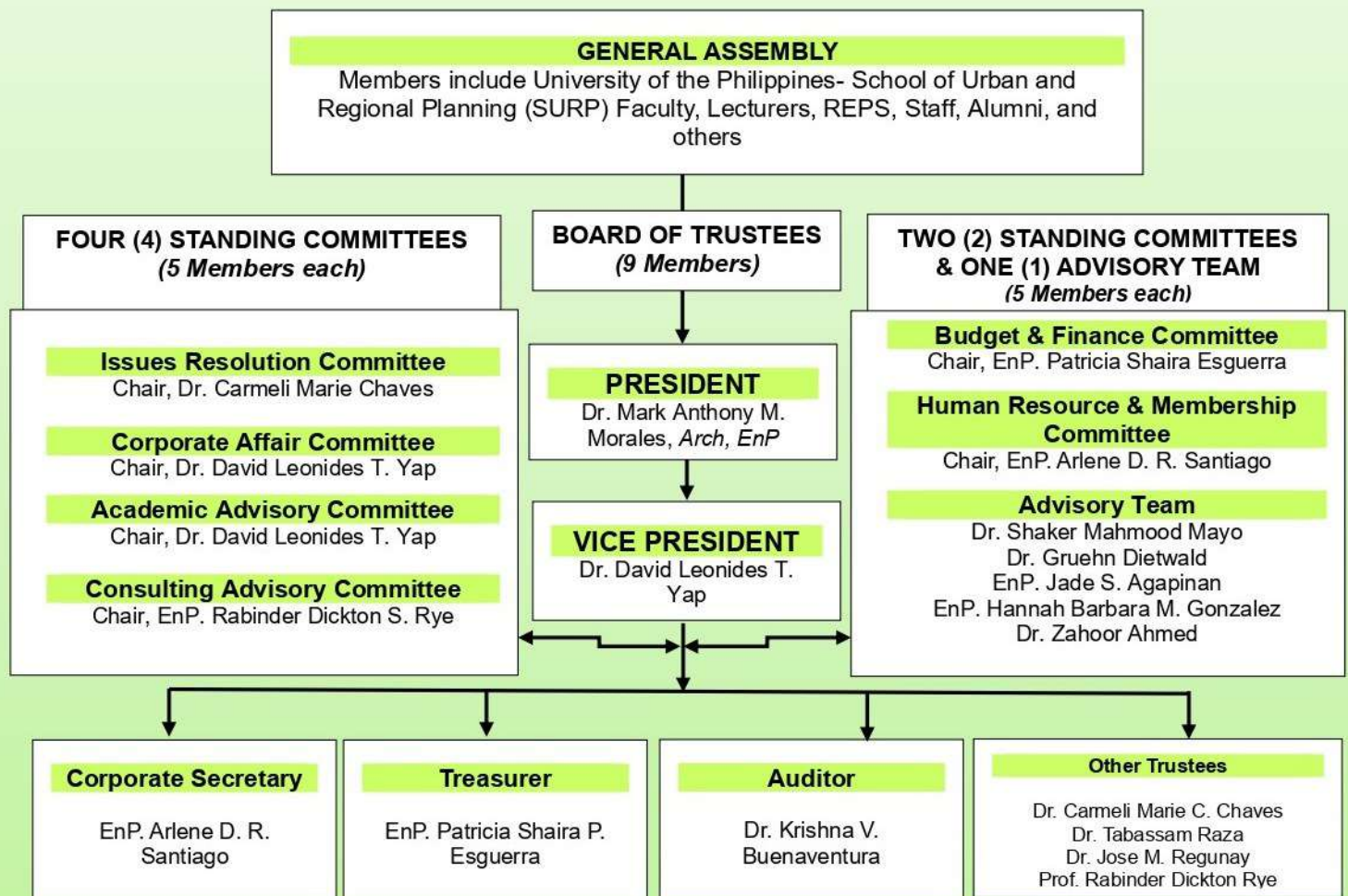
Planades Professionals master list consists of 80 experts distributed in the following categories:

1. Agriculture
2. Capacity Building
3. Climate Change
4. Disaster Risk Management
5. Economic
6. Engineering
7. Environmental Planning
8. Fishery
9. Forestry
10. Infrastructure
11. Institutional
12. Physical Planning
13. Research
14. Science
15. Social
16. Technology





## ORGANIZATIONAL STRUCTURE





## **Our services**

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## **Our services**

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## **Our recent work**

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### **Linking Disaster Risk Governance and Land-Use Planning: The Case of Informal Settlements in Hazard Prone Areas in the Philippines**

Main Feature: tackling the severe problem of strategic risk reduction under conditions of urban poverty and informal urban development; developing and testing knowledge-based solutions for mainstreaming risk reduction measures (upgrading and retreat) in settlements with high disaster risk, yet the absence or ineffectiveness of formal planning mechanisms.

Client: Technische Universität (TU) Dortmund, Germany

### **Planning for Greater Resiliency (PGR)- Addressing Pandemics/ Biohazards and Public Health Emergencies and its Impacts on Most at Risk Populations in Planning Process at the Sub National Level**

Main Feature: tackling the severe problem of strategic risk reduction under conditions of urban poverty and informal urban development; developing and testing knowledge-based solutions for mainstreaming risk reduction measures (upgrading and retreat) in settlements with high disaster risk, yet the absence or ineffectiveness of formal planning mechanisms.

Client: UNICEF, Department of Interior and Local Government, Department of Health

### **Consultancy Services for the Formulation/ Updating of Pasig City's Comprehensive Development Plan 2021-2028 and Comprehensive Land and Water Use Plan 2023-2031**

Main Feature: Social Gap Analysis, capacity building for the sectoral planning teams in risk-informed (sensitive) land-use and development planning, identification of key hazards and developing risk profiles through the conduct of Climate and Disaster Risk Assessment (CDRA)

Client: City Government of Pasig



## **Our recent work**

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### **Sustainable, Healthy, and Learning Cities and Neighborhoods**

Main Feature: The SHLC brings together a multi-disciplinary academics (including policy and governance specialists on urban development, health and wellbeing, and education) and international experts from seven developing countries (South Africa, Rwanda, Tanzania, India, Bangladesh, Philippines and China). The research will identify changes in urban planning policy and public service as it relates to urban neighborhoods and position this alongside an in-depth study of daily experiences of neighborhood life.

Client: University of Glasgow

### **Preliminary Work towards the Formulation of Risk-Informed Comprehensive Land Use Plan of Ozamiz City**

Main Feature: Social Gap Analysis, identification of key hazards and developing risk profiles through the conduct of Climate and Disaster Risk Assessment (CDRA)

Client: City of Ozamiz

### **Special Course on Transit-Oriented Development for the Asian Development Bank via Remote Learning Approach**

Main Feature: Capacity building for personnel and staff of ADB's Urban Development Divisions and country offices with adequate understanding of transportation planning systems and management, in particular, on transit-oriented development (TOD). The training program likewise intends to provide a venue for extensive discussions on TOD-related tools and strategies to respond to the challenges of achieving efficient and sustainable urban transportation development.

Client: Asian Development Bank



## **Our recent work**

### **Conduct of Environmental and Coastal Studies for Pasay Reclamation Projects**

Main Feature: Preparation of the following reports:

- Social Development Plan
- Environmental Management Plan
- Information, Education and Communication Plan
- Coastal and Fisheries Report
- Pasay City Sustainable Coastal Ecosystem Management Plan
- Pasay City Operational Plan for Manila Bay
- Formulate Development strategies based on risk scenarios in order to mitigate if not totally eliminate the risk of the reclamation Projects in Pasay City to the Las Pinas-Paranaque Wetland Park

Client: City Government of Pasay, SM Smart City Infrastructure Development Corporation, Pasay Harbor City Corporation

### **Procurement of Consulting Services for the Formulation of a Master Plan for the Sustainable Urban Infrastructure Development for the Baguio City- La Trinidad-Itogon-Sablan-Tuba-Tublay (BLISTT) Growth Center**

Main Feature: formulation of Comprehensive and Sustainable Urban Infrastructure Master Plans for the development of the Study Areas which will guide decision-makers in the approval of programs/activities/projects (PAPs) therein, consistent with national, regional and local development plans, and thereby ultimately improve the competitiveness (roles and functions of growth centers as catalysts for business and providers of immediate and advance support services, as well as location of investments in agribusiness, manufacturing, information and communications technology, tourism and service related ventures), connectivity (improvement of existing roads, bridges, ports, airports and facilities and construction of new ones and identifying alternative means of transportation), vulnerability reduction (protecting areas vulnerable to hazards) and general urban conditions of the Study Areas

Client: National Economic Development Authority Central Office



## **Our work**

### **Master Development Planning in the last 20 years**

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Drainage Master Plan and Feasibility Study for Oroquieta City and Municipality of Clarin, Misamis Occidental  
Client: DPWH R10

Formulation of an Integrated Strategic Master Plan for Pasig River System  
Client: Pasig River Rehabilitation Commission

Preparation of a Comprehensive Master Development Plan for the Libingan ng mga Bayani, Taguig City  
Client: BCDA

Master Plan of the New Bilibid Prison Reservation Area in Muntinlupa  
Client: National Housing Agency

Zamboanga City Flooding and Drainage Master Plan  
Client: DPWH

Master Plan and Feasibility Study of Urban Drainage/ Improvement and Related Works in Iligan City  
Client: DPWH Region 10

Master Plan and Feasibility Study of Urban Drainage/ Improvement and Related Works in Ginoog City  
Client: DPWH Region 10

Master Plan and Feasibility Study of Urban Drainage/Improvement and Related Works in Cagayan de Oro City  
Client: DPWH R10

Preparation of Comprehensive Tourism Master Development Plans of Governor's Rapids in Madella, Quirino  
Client: PLGU of Quirino

Feasibility Study and Master Development Plan of Naval Base Rafael Ramos, Mactan, Cebu  
Client: Philippine Navy

Consulting Services for the Feasibility Study and Master Development Plan of BNS 29.7 Lot 1 Fort Bonifacio, Taguig City  
Client: Philippine Navy

Spatial Development Master Plan for Laguna De Bay Basin: Land and Lake Water Use and Physical Development Plan  
Client: Laguna Lake Development Authority

Preparation of the Bacolor Comprehensive Rehabilitation Master Plan  
Client: Bacolor Rehabilitation Council (BRC)

Master Planning of the Kapihan Nature and Adventure Park in Surigao Del Norte as a Flagship Tourism Enterprise Zone  
Client: TIEZA

Proposed Urban Area/ Central Business District Master Planning of San Fernando City, La Union  
Client: San Fernando LGU

Area Specific Tourism Master Plan in Mt. Apo and a Detailed Tourism Development Plan for the Three Ridges Integrated Area Development (TRIAD) Barangays Eden, Catigan and Tagurano  
Client: Department of Tourism

Bataan Economic Zone Master Development Plan  
Client: Philippine Economic Zone Authority (PEZA)



## **Our work**

# **Comprehensive Land Use/ Development Planning/ Zoning Ordinance in the last 20 years**

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Consulting Services for the Upgrading of the CDP, CLUP, and ZO of the Municipality of Ibaan, Batangas  
Client: Ibaan LGU

Formulation of CLUP and CDP of the Municipality of Mariveles, Bataan  
Client: Mariveles LGU

Participatory Resettlement Planning (In City) for Displaced Fisherfolks in Tacloban  
Client: Oxfam

Review and Update of fifteen-Year CLUP of Santa Rosa, Laguna  
Client: Santa Rosa LGU

Review and Update of Fifteen-year CLUP and CDP of Dinalupihan, Bataan  
Client: Dinalupihan LGU

Review and Update of Fifteen-year CLUP and CDP of Pili, Camarines Sur  
Client: Pili LGU

Review and Update of CLUP of City of Danao  
Client: Danao City LGU

Integrated Land Use Planning for Siargao Island  
Client: Surigao PLGU/ GIZ/ CCC

Siargao Island Ecotourism Sustainable Development and Physical Framework Planning  
Client: Siargao LGU

Updating of the Comprehensive Land Use Plan and Zoning Ordinance of the City of Navotas  
Client: City Government of Navotas

Bogo City Roadmap to Recovery and Rehabilitation  
Client: Bogo City LGU

Updating of the CLUP, EP, ZO, and CDP of the Municipality of Mayantoc, Tarlac  
Client: Municipality of Mayantoc, Tarlac

Roadmap for Sustainable Urban Development of Metro Cebu  
Client: ALMEC Corporation

Zamboanga City Roadmap to Recovery and Reconstruction Project  
Client: DPWH Region 9

Revise and Update of Planning Documents of San Simon, Pampanga  
Client: San Simon LGU

Development of an 11-Hectare Lot of Dipidio Community, Kasibu Municipality, Quirino Province  
Client: Oceana Gold

Spatial Development Framework for the Municipalities of Malay and Nabas, Aklan  
Client: San Miguel Corporation

Review and Updating of Existing Core Planning Document of Orani Municipality, Bataan.  
Client: Municipality of Orani, Bataan

Coaching for the Preparation and Formulation of Socio-Ecological Profile, CDP with LDIP, CLUP and ZO for the Municipality of Sariaya, Quezon  
Client: Municipal Government of Sariaya



## **Our work**

# **Comprehensive Land Use/ Development Planning/ Zoning Ordinance in the last 20 years**

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Updating of CLUP and ZO of the City of Navotas

Client: City of Navotas LGU

Pasig CBD Land Use and Transport Study

Client: City of Pasig LGU

Updating/Revision of The Batangas City Ten- Year Comprehensive Development Plan, Land Use Plan, And Zoning Ordinance for Cy 2008-2018

Client: City Government of Batangas

Review and enhancement of the Mati City Comprehensive Land Use Plan, Comprehensive Development Plan

Client: City Government of Mati

Preparation of the Provincial Development and Physical Framework Plan (PDPFP) and Provincial Development Investment Program (PDIP) for the Province of Tarlac

Client: Provincial Government of Tarlac

Siquijor Provincial Physical Framework Plan Project

Client: German Technology Cooperation Grant

Preparation of Urban Shelter and Community Infrastructure Project

Client: Philippine Business for Social Progress

Preparation of Master Development Plan, CLUP, and ZO for Marilao, Bulacan

Client: Marilao LGU

Preparation of Comprehensive Land Use Plan of the Municipality of Sibunag

Client: Municipality of Sibunag

Poro point Special Economic and Freeport Zone Framework Development Planning Project

Client: John Hay Poro Point Development Corporation

Planning in Local Government with Empahasis on Fiscal Management- Municipality of Magsaysay, Davao Del Sur

Client: Magsaysay LGU

Formulation of Dagupan City's CLUP

Client: Dagupan City LGU

Preparation of CLUP of Baler, Quezon

Client: Baler LGU

Technical Assistance for the Preparation of CLUP of Atimonan Quezon

Client: Atimonan LGU

Preparation of Comprehensive Land Use Plan for the Municipality of Calumpit, Bulacan

Client: Municipality of Calumpit

Preparation of Comprehensive Land Use Plan for the Municipality of Subic, Zambales

Client: Municipality of Subic Zambales



## **Our work**

# **Transportation Planning/ Study and Traffic Impact Assessment in the last 20 years**

Research and Study on the Integrated South Triangle Area Traffic Signal and Control System

Client: Quezon City LGU

Consulting Services for the Economic Impact of Pedestrianization of an Urban Space in Metro Cebu

Client: NEDA Central Visayas

Consultancy Services for the Feasibility Study of a Tram System for Pasig City

Client: Pasig City LGU

Feasibility and Master Plan Study for the M'lang Airport Development Project

Client: Engineering and Development Corporation of the Philippines

Traffic Demand Study for Proposed Northbound San Pedro Toll Plaza

Client: VSA Builders

Transport Planning Traffic Management of Mandaue City with Capacity Building

Client: Mandaue City LGU

Pre-Feasibility Study of the MRT-7 Intermodal Transport-Oriented Development (TOD)

Newtown in San Jose Del Monte, Bulacan

Client: San Miguel Corporation

Estimating Government Revenues for the 2KM Radius of the Proposed San Jose Del Monte, Bulacan MRT Station

Client: San Miguel Corporation

Consultancy Services for Institutional Study of Data for Road Incident Visualization, Evaluation and Reporting System

Client: Road Board

Preparatory Survey for Mega Manila Subway Project

Client: JICA/ Oriental Consultants Global

Air Traffic Study for Regional Airports (Bacolod, Iloilo, Davao, Laguindingan, and New Bohol) PPP Project

Client: San Miguel Corporation

Public Transportation Strategy Study for All Development in ASEANA Reclamation Project in Paranaque

Client: Ayala Land Inc.

Public Transportation Strategy Study for All Development in Mandaue City, Cebu

Client: Ayala Land Inc.

Transport Planning and Traffic Management Plan for Naga City

Client: Ayala Land Inc.

Evaluation of the Impact of Transferring the Location of the Common Station (Grand Terminal) for LRT 1, MRT 3 and MRT 7

Client: Buhay Partylist

Southwest Integrated Public Transport Terminal

Client: Ayala Land Inc.

Conduct of Review of Traffic Study for NAIA Expressway Project

Client: Vertex Tollways Development Inc.

Research Support Survey for Master Planning of National Airports in the Philippines

Client: The Korea Transport Institute



## **Our work**

# **Transportation Planning/ Study and Traffic Impact Assessment in the last 20 years**

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Traffic Impact Assessment Study for the Proposed Metro Gaisano Oliver Hypermarket  
Client: Will Decena and Associates, Inc.

Feasibility and Master Plan Study for Calbayog Airport Development Plan  
Subcontracted by Phil.Jac, Inc.

Passenger Survey and Support Engineering Services for Feasibility and Master Plan Study for Bukidnon Airport Development Plan  
Subcontracted by Phil.Jac, Inc.

Passenger Survey and Support Engineering Services for Feasibility and Master Plan Study for Surigao Airport Development Plan  
Subcontracted by Phil.Jac, Inc.

Consultancy Services for the LRT 1 Extension Ridership Study  
Client: Halcrow Group Limited

Traffic Impact Assessment of the Proposed Pasig Doctors Medical Centre  
Client: Pasig Doctors Medical Centre, Inc.

Traffic Impact Assessment of the 7-Storey Condotel Building- Lot 20 Block 7 General Luna Street, Poblacion, Makati  
Client: Private Individual

Traffic Impact Assessment of Levi Mariano Road corner Bagong Calzada  
Client: Vista Residences

Traffic Impact Assessment of 26 Storey Building at No. 878 Espana Avenue cor G. Tolentino  
Client: Vista Residences

Traffic Impact Assessment of Antipolo Food and Leisure Center in Antipolo City

Gerona-Camiling-San Clemente (GCSC) Expressway Pre-feasibility Study  
Client: Provincial Government of Tarlac

Pasig Central Business District Land Use and Transport Study  
Client: Pasig City LGU

Preparation of Rapid Impact Socio-Economic Study for the Upgrading and Improving of SLEX Project (Toll Roads 1 and 2) and Construction of Toll Road 3  
Client: South Luzon Tollways Corporation

The Mega Manila Public Transport Study  
Client: DOTr

Preparation of Traffic Management Plan for Xavier School Immaculate Conception Academy  
Client: Xavier School

Preparation of a Rapid Impact Socio-Economic Study for the Upgrading and Improvement of the North Luzon Expressway (NLEX) Project Phase 1  
Client: Manila North Tollways Corporation

Mega Manila Public Transport Service  
Client: JICA

Preliminary Review and Initial Assessment of the Impact of the North Triangle Terminal Project  
Client: Philippine Bus Operators Association of the Philippines



## **Our work Research in the last 20 years**

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Linking Disaster Risk Governance and Land Use Planning: The Case of Informal Settlements in Hazard Prone Areas in the Philippines

Client: Technische Universität Dortmund

Centre for Sustainable, Healthy and Learning Cities and Neighborhoods

Client: Research Councils UK

Planning for Greater Resiliency- Addressing Pandemics/Biohazards and Public Health Emergencies and its Impacts on Most at Risk Populations in Planning Processes at the Sub National Level

Client: UNICEF, DOH, and DILG

Formulation of a Settlements Development Model for New Growth Areas in the Philippines

Client: DOST

Water and Urban Initiatives of the UNA-IAS Consultation Workshops with Filipino Researchers and Government with other Stakeholders

Client: United Nations University

Impact Assessment of the National Shelter Program

Client: NEDA

Policy Analysis Research of the Unified Vehicle Volume Reduction Program

Client: DOTr

Technical Assistance on Securing the Safety of Informal Settler Families (ISF) in Metro Manila: Socio-Economic Profiling and Community Organizing

Client: Australian Aid

Affordable and Resilient Housing for Vulnerable Communities

Client: Institute for Housing and Development Studies

Technical Assistance for the Preparation of the Project Completion Report for the Millennium Development Goals-Fund 1656 Joint Programme on Strengthening the Philippines' Institutional Capacity to Adapt to Climate Change

Client: NEDA

Building the Resilience and Awareness of Metro Manila Communities to Natural Disasters and Climate Change Impacts Program

Client: Australian Aid

Systematic Scientific Study of Possible Extended Continental Shelf in the Philippines in Accordance with Article 76 of the United Nations Convention on the Law of the Sea and Defense of the Philippine Extended Continental Shelf Submission on the Benham Rise Region (Phase 1)

Client: NAMRIA

National Publication on Lessons Learned from Demonstration Projects- Strengthening the Philippines' Institutional Capacity to Adapt to Climate Change

Client: DENR

Study to Support the Simplification of the Executive and Legislative Agenda (ELA)

Client: Philippines- Canada Local Government Support Program Phase II



## **Our work**

### **Research**

### **in the last 20 years**

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Comparative Study on Land Titling Approaches Land Administration and Management Project  
Client: DENR- LAMP

Studies for the Defense of Philippine Extended Continental Shelf  
Client: DENR

Land Administration and Management Course Materials Development  
Client: DENR

Metro Manila Reconstruction and Rehabilitation Program: Socio-Economic Assessment and Development of Options for Housing Finance and Sustainable Livelihoods  
Client: Australian Aid

Scientific and Technical Delineation of the Philippines Entitlement to Extended Continental Shelf in Accordance with Article 76 of the United Nations Convention on the Law of the Sea (Phase 2)  
Client: NAMRIA

Submission of Data and Information on the Outer Limits of the Extended Continental Shelf Entitlement of the Philippines in the Kalayaan Island Group (KIG) and Reed Bank Area Pursuant to Part VI of the Annex II to the United Nations Convention on Law of the Sea  
Client: NAMRIA

Consulting Services for the Benefit Monitoring and Evaluation Follow Up Study of the Integrated Community Health Services Project (data processing)

Consulting Services for the Project on Developing Community Capacities for Pro-Poor Budgeting and Local Government Accountability for Poverty Reduction  
Client: Caucus  
of Development NGO Networks

Strengthening Knowledge Policy for Small States  
Client: International Development Research Center Grant, Ottawa, Canada

Land Administration and Management Project- Social Assessment II  
Client: DENR-LAMP

Land Administration and Management Project- Social Assessment I  
Client: DENR-LAMP

Second Pilot Testing of Participatory Agriculture Planning Systems Phase II  
Client: DA- Bureau of Agricultural Research

A Study of Patters of Community Formation among Coastal Dwellers in Mindanao: Towards Formulating for Sustainable Environments Phase I  
Client- Japan Foundation



**PLANADES**

## Fast Facts

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**47** years of experience



**470+**  
project engagements



**Certified Environmental  
Planning Firm  
by Professional Regulation  
Commission**

## Work with us

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[www.planades.org](http://www.planades.org)



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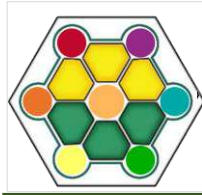


Climate Change & Disaster Risk Management Unit

# CCDRM PORTFOLIO



## Climate Change and Disaster Risk Management Unit



### Portfolio PLANADES Climate Change Disaster Risk Management (CCDRM) Unit

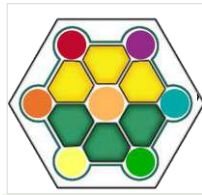
The Planning and Development Research Institute (PLANADES), Inc. is a non-stock corporation with a company sub-class non-stock, non-profit organization engaged in research, consultancy and extension services, academic development and training in environmental, urban and regional planning, and related disciplines. Incorporated by a group of specialists and practitioners, its articles of Incorporation were registered with the Securities and Exchange Commission in December 1976, with its Code of By-Laws subsequently approved the following year. In 1978, PLANADES was certified as a tax-exempt corporation by the Department of Science and Technology (DOST), formerly the National Science Development Board. It formally entered into a working and collaborative arrangement under a Memorandum of Agreement dated 10 August 1978 with the U.P. School of Urban and Regional Planning (UP SURP) where the corporation is presently based. PLANADES is a NEDA/COFILCO Accredited Firm with FILCON Consultant Code No. CC-100054. In close collaboration with U.P SURP, PLANADES has since operated as a private entity engaged in promoting studies and applied research and providing technical assistance by way of consultancy/extension services to government and non-government entities. It has also supported scholarships and professorial chairs, as well as the development of publications and other related areas.

PLANADES maintains a highly-respected multi-disciplinary staff complement of planning, management, finance, and design professionals who have been involved in the successful planning and implementation of environmentally-sensitive and economically-sound development plans.

PLANADES has been engaged in research, consultancy and extension services, academic development and training in environmental, urban and regional planning, and related disciplines for more than 40 years. In addition to planning and implementing environmentally sensitive and economically-sound development plans, PLANADES commits to help build resilient communities and cities.

With the impacts of climate change, along with increased population, urbanization, and environmental degradation, PLANADES was involved in Building the Resilience and Awareness of Metro Manila Communities to Natural Disasters and Climate Change impacts Program: Preparatory Phase: Capacity Building Team (BRACE) I in 2013. PLANADES has done substantial number of studies related to environmental impact assessment and City ecological profiling including biodiversity and risk sensitivity of climates change phenomena's and natural and made hazards since 1980.

# Climate Change and Disaster Risk Management Unit



PLANADES established its formal Disaster Risk Management/Climate Change Adaptation and Mitigation office in 2015 and what is now called Climate Change and Disaster Risk Management (CCDRM) Unit. The creation of CCDRM Unit shows the dedication of PLANADES to mainstream DRR and CCAM (risk-informed) in policy formulation and development plans particularly in PLANADES' Projects especially related to climate change action plan priority areas (i.e., food Security, water security, ecological and environmental stability, human security, climate friendly industries and services, sustainable energy, and knowledge and capacity development); sustainable development goals 2030 (i.e., no poverty, zero hunger, good health and well-being, quality education, gender equality, clean water and sanitation, affordable and clean energy, decent work and economic growth, industry, innovation and infrastructure, inequality, sustainable cities and communities, responsible consumption and production, climate action, life below water, life on land, peace and justice strong institutions, and partnerships to achieve the goal); and disaster risk reduction management thematic areas (i.e., Disaster preparedness, response, rehabilitation and recovery and prevention, and mitigation); including land-use and urban planning; and public infrastructure and housing among others.

The PLANADES CCDRM Unit aims to strengthen long-term disaster resilience through capacitating communities on climate change adaptation and disaster risk reduction management. It shall develop and implement programs in the areas of community resilience recovery and rehabilitation, and research and innovation.

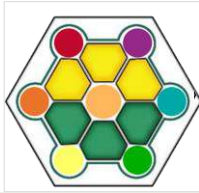
## Mission of the CCDRM Unit

To Supplement the mission of the PLANADES in providing the specialized services in the field of Climate Change and Disaster Risk Management (CCDRM) and train leaders, decision makers, front liners, etc. in mainstreaming the CCDRM in risk-informed local, provincial, regional, national and global land-use, development, and any aspects of community, local, provincial, regional, national and global functionalities

## Objectives of the CCDRM Unit

1. Educate community leaders, decision makers, front liners, planners, educators and other directly or indirectly involved personnel in CCDRM field and risk-informed (risk-sensitive) land-use and development plan
2. Develop and design CCDRM-related short certificate courses for Local to National Government personnel;

# Climate Change and Disaster Risk Management Unit



3. Organize periodic local and international CCDRM risk-informed land-use and development planning, and business continuity related Conferences, training programs, workshops, symposiums, and alike activities that can be credited for Continuing Professional Development requirement.; Support and advance the existing training programs of University of the Philippines, School of Urban and Regional Planning Training and Extension Services; and
4. Develop Research and Publication based venue for peer to peer knowledge sharing, public lecture series, open dialogues, and panel and focus group discussions of Local to International leaders, planners, advocates, and other professionals associated to CCDRM.
5. Develop local and international partnership and linkages to promote and achieve above CCDRM objectives and PLANADES main objectives.

## Projects

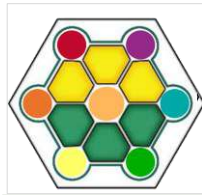
PLANADES has been working with the local and international private and public sectors in promoting climate change and disaster resilience toward land-use and development planning. The following are some of the notable projects done by PLANADES related to disaster risk-informed land-use and development planning from local to international level management in the last 20 years.

### Are City Climate Plans Adequate for Mitigating Weather Extremes? An Investigation of Southeast Asian Cities

PLANADES and Curtin University, Perth, Australia will be working together to investigate whether SEA cities are capable of mitigating Climate Change on urban population and try to find solutions to prevent rising temperatures by adopting mitigating measures under the project “Are City Climate Plans Adequate for Mitigating Weather Extremes? An Investigating of Southeast Asian Cities.

In this Project, PLANADES will conduct microclimate assessment and data collection, field surveys, key informant interviews in Metro Manila to identify the attitudes and perceptions of the government officials and policy makers towards ecosystem-based solutions (EbS). Further, PLANADES will develop climate action and risk-informed (risk sensitive) plans through organizing workshops and capacity building trainings. The climate action and risk sensitive plans shall be mainstreamed to the land-use and development plans of the cities

# Climate Change and Disaster Risk Management Unit



## Linking Disaster Risk Governance and Land-Use Planning: The Case of Informal Settlements in Hazard Prone Areas in the Philippines

PLANADES, in partnership with Technische Universität (TU) Dortmund is implementing the Linking Disaster Risk Governance and Land-Use Planning: The Case of Informal Settlements in Hazard Prone Areas in the Philippines (LIRLAP). The project started in 2019 and now, it is on its second phase until 2025.

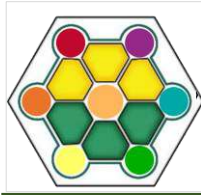
The project aims at tackling the severe problem of strategic risk reduction under conditions of urban poverty and informal urban development. It aims at developing and testing knowledge-based solutions for mainstreaming risk reduction measures (upgrading and retreat) in settlements with high disaster risk, yet the absence or ineffectiveness of formal planning mechanisms.



The research seeks to improve the evidence basis for decisions on sustainable and socially acceptable solutions to the widespread problem of informal settler families living in endangered areas. Moreover, it wants to strengthen the capacity of local and regional actors to properly address these planning problems. This also includes on-site upgrading of the settlement to avoid relocation. The ultimate goal of this effort is to make resettlement and upgraded sites – and thus the city as a whole – more resilient by mainstreaming upgrading and resettlement strategies in urban areas.

The project has the following sub goals:

## Climate Change and Disaster Risk Management Unit

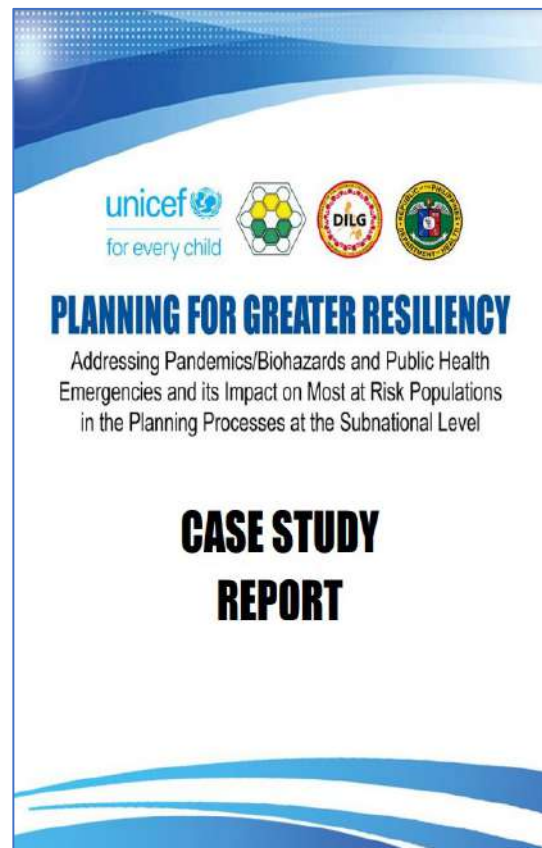


- To integrate disaster risk management with comprehensive development strategies and riskbased land-use planning in hazard prone areas with a particular focus on informal settlements;
- To build resilient communities in upgrading and retreat via disaster risk governance and adapted spatial planning, particularly at the level of informal settlement through participatory coproduction of knowledge for upgrading and retrofitting as a new paradigm; and
- To develop capacities of stakeholders (LGUs, NGAs, NGOs, private sectors) in building sustainable and disaster resilient communities

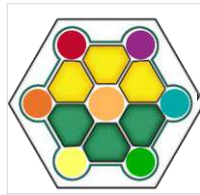
### Planning for Greater Resiliency (PGR)- Addressing Pandemics/ Biohazards and Public Health Emergencies and its Impact on Most at Risk Populations in Planning Processes at the Sub national Level.

Given that natural disasters become more frequent and severe due to global climate change; the rise of infectious disease outbreaks also threatens the world.

In 2021, PLANADES worked with the Department of Interior and Local Government (DILG) and Department of Health to conduct a case study on Planning for Greater Resiliency (PGR)- Addressing Pandemics/ Biohazards and Public Health Emergencies and its Impact on Most at Risk Populations in Planning Processes at the Subnational Level. This project, funded by UNICEF, seeks to distill the lessons on health emergency management from urban communities in the Philippines and identify strategic measures to mainstream health-related disaster management and resilience in the local development planning system. As the COVID-19 impacts overwhelmed many local governments, PGR developed updated guidance both cognizant of the existing institutional and legal frameworks and informed

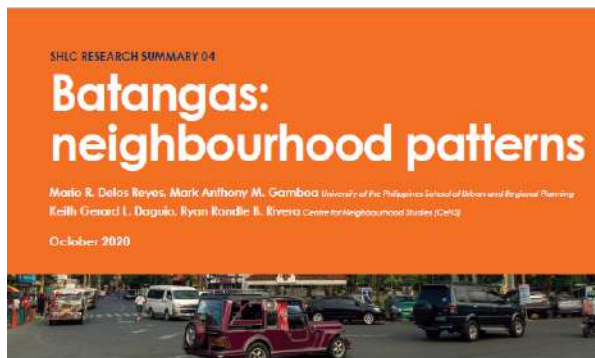


# Climate Change and Disaster Risk Management Unit



by practical lessons from the ground. The body of knowledge that PGR contributes will hopefully strengthen long-term resilience of local government units.

## Centre for Sustainable, Healthy and Learning Cities and Neighbourhoods



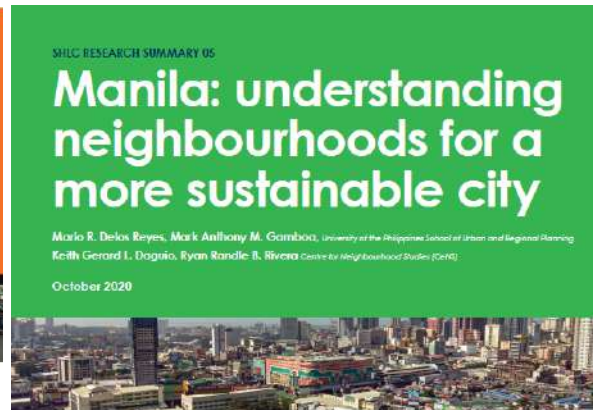
To understand the interrelationship between sustainability, education and health in an urban context in the Philippines, this study examines emerging patterns of neighbourhood distribution in Batangas City, a regional city located at the western side of Luzon island.

Shifting the focus from a general discussion of sustainable cities to the development of sustainable neighbourhoods, this study investigates the social, economic and physical structures that characterise – and define – Batangas.

### KEY FINDINGS

- The centre of Batangas has become the most densely populated area of the city, although the population has shifted to various suburbs in recent years. From 1970 to 2010, Batangas City's overall population increased by an average of 2% annually, yet built-up areas, mostly in the south, expanded by 5%.
- The socio-spatial structure of Batangas City is shaped by factors such as geographical features, the presence (or not) of economic activities and opportunities, transportation networks and local spatial policies.
- A south-west urban centre in terms of socioeconomic development, the northern part of Batangas, where the built-up concentration and outward centre is located, is slowly diffused to the southern side of the city, which – due to its location and environment – has continued to retain mostly an agriculture, has a lower population density and has significant open spaces of settlement.
- The spatial distribution of neighbourhoods has varied effects in terms of health, education and sustainable development. Physical proximity to services is not enough to prevent governments from unsustainable development – access needs to be understood as being multifaceted.
- Batangas – the smallest political and administrative unit in the Philippines – tend not to completely capture the economic, social and environmental benefits of urbanization (especially in Batangas). A novel way of approaching localities based on lived experiences of neighbourhoods can provide a new perspective on the attainment of good health, well-being and quality education for the population of Batangas.

[www.centreforsustainablecities.ac.uk](http://www.centreforsustainablecities.ac.uk)



This study seeks to understand the internal structure of the City of Manila – a highly urbanised city in the westernmost region of Metropolitan Manila, the Philippines, and often considered one of the densest cities in the world.

It analyses the social, economic and spatial structures of the city to identify emerging patterns of neighbourhood distribution and key challenges for the development of sustainable neighbourhoods.

### KEY FINDINGS

- The City of Manila is an example of a persistently expanding historic city that has seen continuous population growth in recent decades.
- Manila's land cover consists of almost entirely built-up areas, with vertical and intensive expansion transitioning to land reclamation.
- Neighbourhoods of varying types, intensities and socio-economic groups can be found in all districts of the city. Overcrowded living quarters have existed for several years, including dwellings in abandoned structural buildings, old clemens and a public cemetery.
- Proximity to places of work and access to urban services are among the primary drivers of the settlement pattern in Manila. In contrast, however, density and proximity that quality and receive social services are extended to residents, especially among lower-income neighbourhoods.
- Batangas – the smallest political and administrative unit in the Philippines – tend not to completely capture the economic, social and environmental benefits of urbanization (especially in Manila). A new way of approaching localities based on lived experiences of neighbourhoods can shed light on the attainment of good health, quality education and sustainable living for the population of Manila.

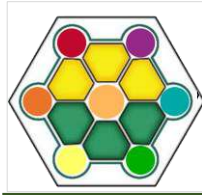
[www.centreforsustainablecities.ac.uk](http://www.centreforsustainablecities.ac.uk)



PLANADES, together with the University of Glasgow, brings together a multi-disciplinary academics (including policy and governance specialists on urban development, health and wellbeing, and education) and international experts from seven developing countries (South Africa, Rwanda, Tanzania, India, Bangladesh, Philippines and China) in the *Centre for Sustainable, Healthy and Learning Cities and Neighbourhoods*. The research will identify changes in urban planning policy and public service as it relates to urban neighborhoods and position this alongside an in-depth study of daily experiences of neighborhood life. It has two overall aims:

1. strengthen research capacity among urban studies researchers, government officials, and policy makers in the public and private sectors; and
2. conduct systematic and comparative studies of urbanization and the formation and differentiation of neighborhoods in urban areas in order to address the challenges

## Climate Change and Disaster Risk Management Unit



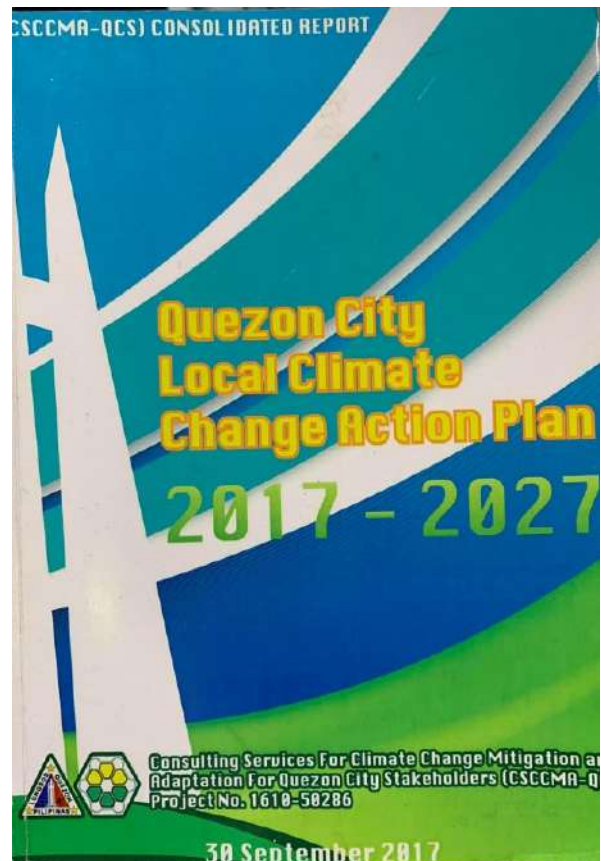
associated with urbanization and large-scale rural-to-urban migration in Africa and Asia.

The SHLC addresses three inter-related policy themes: (1) Sustainable health and well-being; (2) inclusive and equitable quality education; and, (3) sustainable cities and communities.

Quezon City Government partnered with PLANADES in formulating the City's Local Climate Action Plan (LCCAP) 2017-2027.

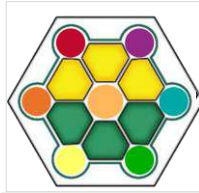
The Republic Act No. 9729 or Climate Change Act of 2009 mandates the LGUs, as the frontline agencies in the formulation, planning and implementation of climate change action plans, to regularly update their Local Climate Change Action Plan to reflect changing social, economic, and environmental conditions and emerging issues.

In 2017, the Quezon City Government partnered with PLANADES in formulating the City's Local Climate Action Plan (LCCAP) 2017-2027. The document outlines the specific programs, projects, and activities (PPAs) of the City in mitigating climate change. In addition to LCCAP, PLANADES also developed a step-by-step training manual designed for enabling and capacitating its leaders and residents to respond with resiliency to the challenges of Climate Change.



International Housing and Urban Development Studies

## Climate Change and Disaster Risk Management Unit



PLANADES also worked with the International Housing and Urban Development Studies to conduct a Refresher Course on The Role of Women's Organizations in C

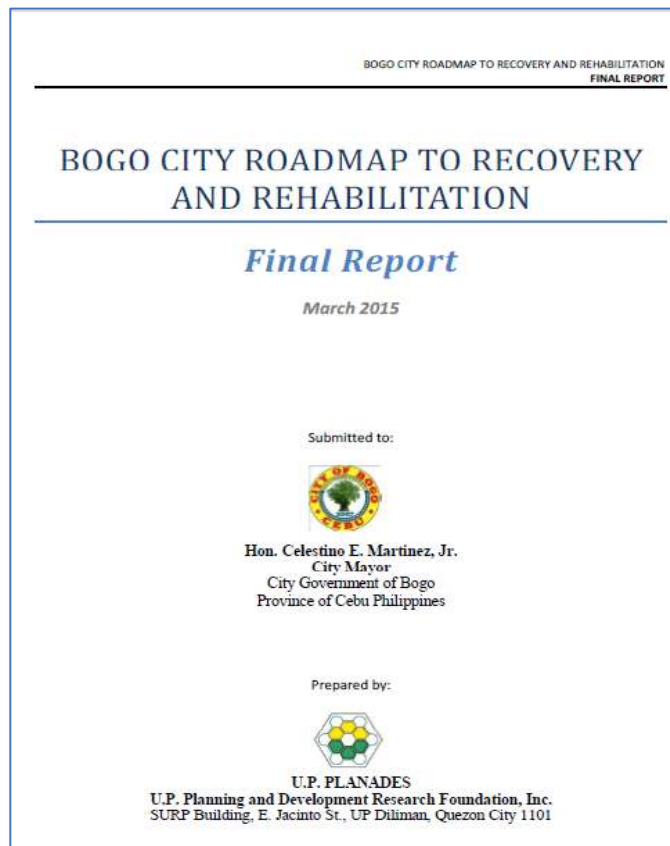
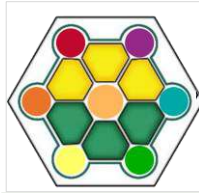
ihs is the international institute of urban management of Erasmus University Rotterdam		<b>IHS</b> Making cities work	C16/086
UP School of Urban and Regional Planning E. Jacinto Street, UP Diliman Quezon City		Institute for Housing and Urban Development Studies T +31 (0) 10 408 9825 F +31 (0) 10 408 9826 E ihs@ihs.nl www.ihs.nl	
Place & Date	: Rotterdam, 10 June 2016		
Reference	:		
Subject	: Contract re: execution of Refresher Course Philippines 2016		

Climate Change Induced Resettlements in the Philippines. The course increased and deepened the knowledge of the participants regarding the relationship between gender, housing, and the environment. Further, the course focused on the role of women's organizations in ensuring the enforcement of housing rights in communities which have been resettled due to disasters

### Bogo City Road Map to Recovery and Rehabilitation.

In the aftermath of typhoon, Bogo City has been littered with tons of debris from damaged houses, buildings, and other structures. The clearing operations have collected volumes of garbage scattered around the city. The typhoon has also displaced thousands of people. Those who are living in coastal areas have been relocated as their homes were washed out by the seawater. With these scenarios, the city government was left with the challenging task of recovery. However, aid and relief efforts came in droves into the city.

# Climate Change and Disaster Risk Management Unit

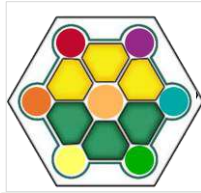


City Government of Bogo contracted PLANADES to formulate the Bogo City Road Map to Recovery and Rehabilitation. The Road Map served as a guide to facilitate the rehabilitation of Bogo City from the devastation brought by typhoon Yolanda (Haiyan). This report is influenced by the principle of "Building Back Better".

## Zamboanga City Roadmap to Recovery and Reconstruction (Z3R)

The Zamboanga Crisis, created a socio-economic catastrophe in the city. The crisis occurred in six barangays which form part of Zamboanga City's commercial center and which host key government facilities. Per the December 2, 2013 Post Conflict Needs Assessment Report of the Office of Civil Defense Regional Disaster Risk Reduction and Management Council Region IX, "the 21 day siege left over 400 people killed, countless injured, at least 110,000 Internally Displaced Persons (IDPs) in evacuation centers; billions in economic loss, over 10,000 residential and commercial establishments burned or completely destroyed.

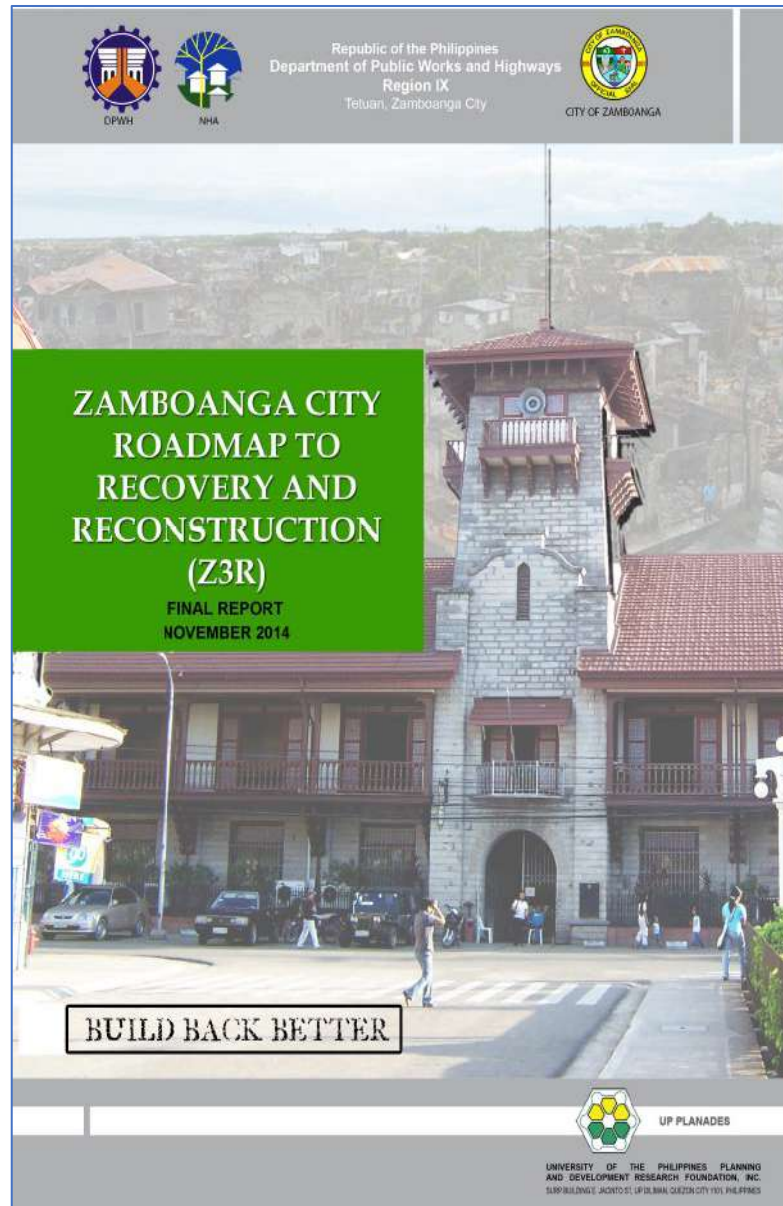
# Climate Change and Disaster Risk Management Unit

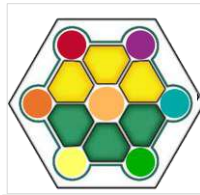


Because of the crisis, the entire City of Zamboanga experienced a humanitarian crisis. The most affected group is the IDPs who are having difficulties in leading normal lives as they are unable to meet their basic needs. Hence, there is a need for necessary and urgent interventions to be rolled-out to prevent further complications in health, education, livelihood and security of the people.

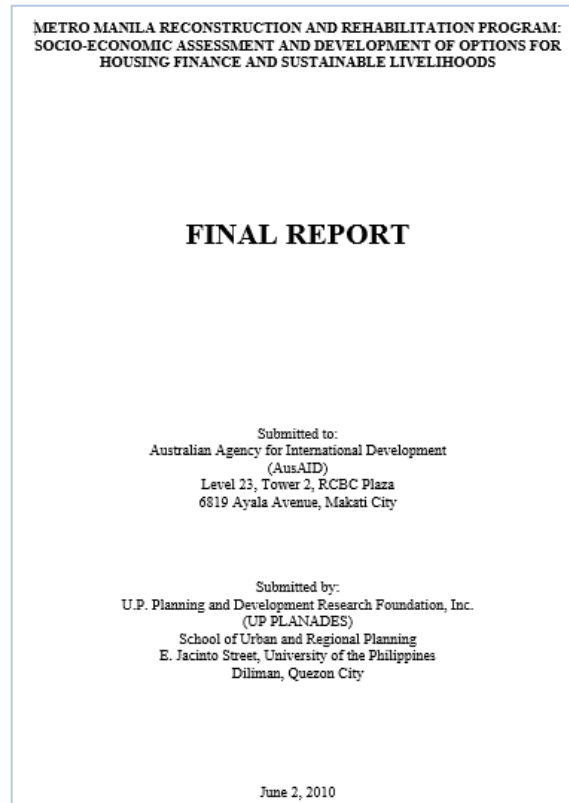
In response to the crisis, Pres. Benigno Simeon Aquino III instructed Department of Public Works and Highways (DPWH) Secretary Rogelio L. Singson to lead the rehabilitation and reconstruction of the conflict-affected areas.

DPWH, with the participation of the local government of Zamboanga City, have been tasked to lay down a strategic roadmap to identify programs and projects to pursue the immediate rehabilitation and long-term redevelopment of the conflict-affected areas. It is within this context that DPWH commissioned UP PLANADES (the Consultant) to provide consultancy services in the preparation of Zamboanga City's Roadmap to Recovery and Reconstruction (Z3R).





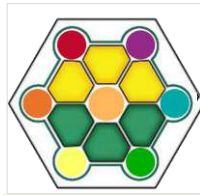
## Metro Manila Reconstruction and Rehabilitation Program: Socio- Economic Assessment and Development Options for Housing Finance and Sustainable Livelihood



Following a Post-Disaster Needs Assessment (PDNA) after the devastation caused by Typhoons Ketsana (local name 'Ondoy') and Parma (local name 'Pepeng') in Metro Manila, an urban recovery and reconstruction program was proposed by the AusAID Philippines Program as a response to the needs of flood-affected areas in Metro Manila. The UP Planning and Development Research Institute (PLANADES), Inc. (PLANADES) was commissioned to develop analytical pieces that will inform the design of the Social Housing and Livelihood component of the Metro Manila Reconstruction and Rehabilitation Program. The design of the social housing and livelihood component will incorporate the UN and WB principle of 'building back better' whereby reconstruction and future development of metropolitan/urban areas take into consideration appropriate disaster risk reduction (DRR) strategies in rehabilitation efforts to reduce vulnerability and

improve living conditions, and promote a more effective reconstruction process. The initiative is intended as a substantial contribution to sustainable rehabilitation and development and will serve as a demonstration activity that is replicable and can inform the broader resettlement efforts of other parts of Metro Manila and cities throughout the Philippines.

# Climate Change and Disaster Risk Management Unit



## Programs and Activities

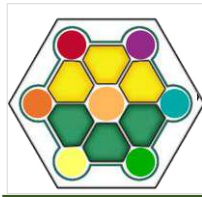
### 6<sup>th</sup> International Research Colloquium Training Program



In December 2021, PLANADES co-organized the 6<sup>th</sup> International Research Colloquium, Training Program together with Philippine School of Business Administration (PSBA)- Manila, PSBA DRM Unit, Quezon City Government, University of the Philippines- School of Urban and Regional Planning, Lahore College for Women University, University of Engineering and Technology, United Nations Disaster Risk Reduction Sendai Framework Voluntary Commitments, Office of the Civil Defense, and DPMM of the Asian Institute of Technology.

The research colloquium focused on these themes- Micro, Small, and Medium Enterprises in the New Normal, Financial Mechanisms towards Disaster Management and Business Continuity Planning, Emergency Situation Analysis and Crisis Management towards Rescue and Response, Mainstreaming DRM and CCA in Development Planning, and CBDRM Process towards resilient communities.

# Climate Change and Disaster Risk Management Unit



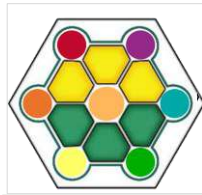
## 5<sup>th</sup> International Research Colloquium Training Program



Further, PLANADES co-organized the 5<sup>th</sup> International Research Colloquium, Training Program together with its long-time partners- Philippine School of Business Administration (PSBA)- Manila, PSBA DRM Unit, Quezon City Government, University of the Philippines- School of Urban and Regional Planning, Lahore College for Women University, University of Engineering and Technology, United Nations Disaster Risk Reduction Sendai Framework Voluntary Commitments, Office of the Civil Defense, and DPMM of the Asian Institute of Technology.

The 5<sup>th</sup> International Research Colloquium Training Program theme “Challenges and Opportunities for Micro, Small, and Medium-Sized Enterprises during the COVID-19 Pandemic: A New Normal” had the following objectives: 1) Determine the impacts of COVID-19 containment measures and the responses of Philippine enterprises. 2) Identify gaps and areas of improvement that can guide and inform the design of technical assistance, stimulus packages and other financing opportunities for SME recovery beyond addressing the usual cashflow bottlenecks, but also to build better and increased resilience against possible future social or economic shocks. 3) Improve customer relationship management systems and promote safe interactions with customers to provide real-time customer assistance. 4) Understanding how to utilize government support and opportunities to come up with new policies and to rebuild MSME segment. 5) To identify the MSMEs business opportunities, ideas, and concept to start during pandemic and post pandemic. Promote digitization among financial institutions and enhance the capacity of the micro, small, and medium-sized enterprises to adopt relevant digital technologies. 6) Identify current strategies being adopted by MSMEs in tackling the current situation. 7) Determine alternative businesses MSMEs can venture in amidst the current COVID-19 crisis

# Climate Change and Disaster Risk Management Unit



## Linking Disaster Risk Governance and Land-Use Planning: The Case of Informal Settlements in Hazard Prone Areas in the Philippines

Work Package 5 of the Linking Disaster Risk Governance Land-Use Planning: The Case of Informal Settlements in Hazard Prone Areas in the Philippines (LIRLAP) is Capacity Building.

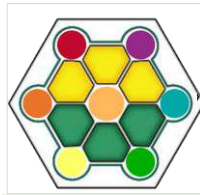
Resilient informal upgrading will only be successful and sustainable, if accompanied by capacity building of stakeholders at the local and national levels as well as in the academia and if results will be broadly disseminated and utilized. This includes the development, conduction and evaluation of training courses for key stakeholders involved in disaster risk management and urban governance. To sustain the knowledge and good practices of disaster risk reduction and management as well as urban governance in the Philippines and the partner countries Thailand and Vietnam, the first part of WP5 is the strengthening stakeholders' capabilities and their networks are crucial



The second part, a Dual PhD between TUDO and SURP on topics of urban planning and resilience and disaster risk reduction and management with regular PhD workshops is planned. To build up a new generation of local experts on disaster risk reduction and management and urban governance, the Dual PhD program between TU Dortmund and UP SURP universities is a fundamental

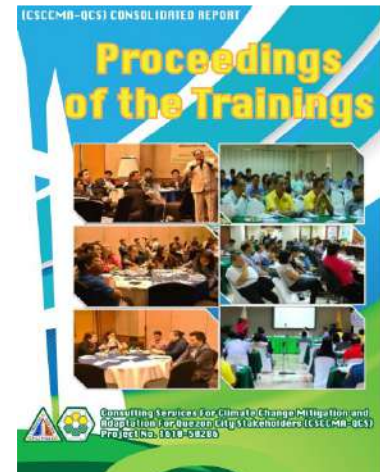
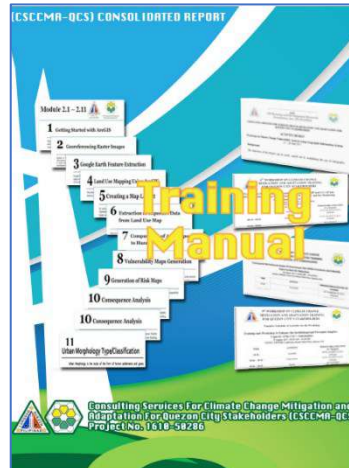
step in intensifying academic cooperation. Students at the PhD level shall be intensively involved in all research activities of the various WPs. LMU and Stuttgart Universities will be involved in joint supervision as well.

# Climate Change and Disaster Risk Management Unit



Training program in developing Quezon City Government partnered with PLANADES in formulating the City's Local Climate Action Plan (LCCAP) 2017-2027.

PLANADES also developed a step-by-step training manual designed for enabling and capacitating its leaders and residents to respond with resiliency to the challenges of Climate Change.

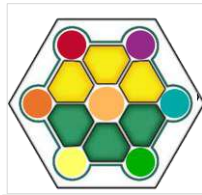


## International seminar on Disaster Risk Management towards Business Continuity

International seminar on Disaster Risk Management towards Business Continuity was organized in 2018 through the partnership of PLANADES, Lahore College for Women University (LCWU), Lahore, Pakistan, and Philippine School of Business Administration (PSBA)- Manila.



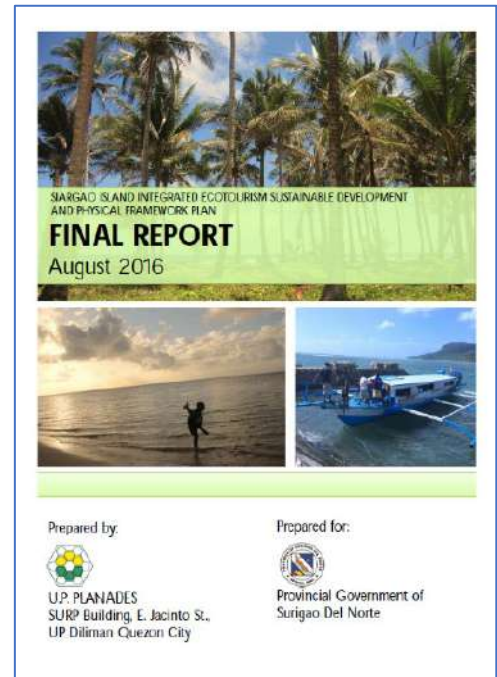
# Climate Change and Disaster Risk Management Unit



## Siargao Island Ecotourism Sustainable Development & Physical Framework Planning

The Provincial Government of Surigao Del Norte tapped the consultancy services of UP PLANADES for the preparation of the Siargao Island Integrated Ecotourism Sustainability Development and Physical Framework Plan. The Plan will build on the Comprehensive Land Use Plan (CLUP) of the nine (9) municipalities in Siargao Island and anchored on ecotourism development using ecosystem-based approach. It shall also facilitate an island-wide convergence of development initiatives including technical support services from national agencies and strengthening inter-LGU alliances to enable vulnerable communities to adapt to climate change and reduce poverty.

This activity's overarching goal is to mainstream CCA-DRR in Siargao Island-wide



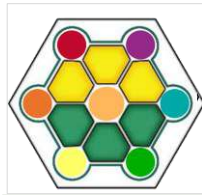
Development and Physical Framework Plan (SIDPFP) based on agriculture-fisheries and tourism development thrusts. Workshops and trainings will be done as part of knowledge transfer to LGU.

## Special Course on Urban and Regional Planning: A Basic Course in Urban and Regional Planning

In collaboration with the University of the Philippines School of Urban and Regional Planning, PLANADES is offering Special Course on Urban and Regional Planning: A Basic Course in Urban and Regional Planning.

The training program serves as an orientation-cum-introductory course in the basic concepts, processes and methodologies of urban and regional planning. The course also provides updates on the latest approaches, tools and techniques in the profession

## Climate Change and Disaster Risk Management Unit



### Special Course on Urban and Regional Planning: A Basic Course in Urban and Regional Planning.

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The five-day training program includes topics on the following: The Philippine Planning System, Population and Social Development, Local Economic Development, Estate Planning and Management, Public Works Planning, Transport Planning and Traffic Management, Environmental and Natural Resources Management, Public Private Partnership, Climate Change Adaptation and Disaster Risk Reduction and Management Concepts and Strategies, Strategical Environmental Assessment, Smart Growth/Green Urbanism, among the other topics.

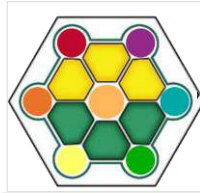
### Special Course on Urban and Regional Planning (SCURP): A Basic Course in Urban and Regional Planning



## SCURP: ABC in URP

Special Course on Urban and Regional Planning

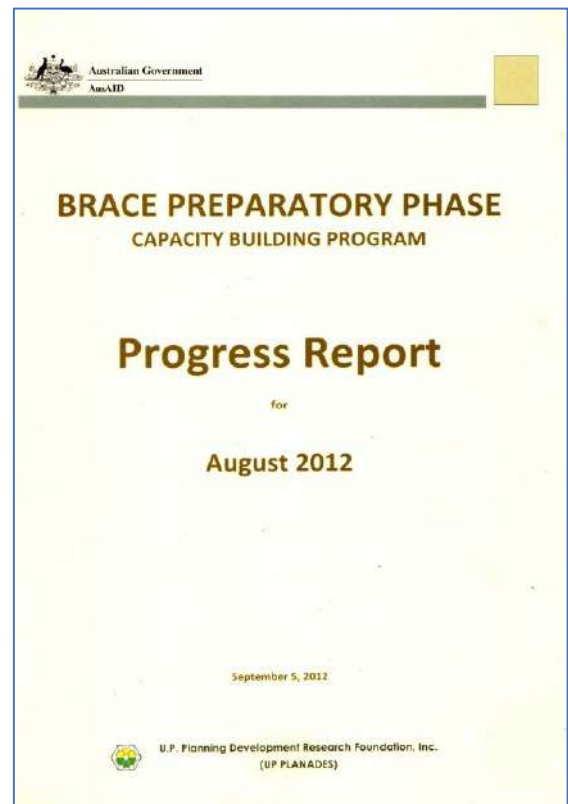
# Climate Change and Disaster Risk Management Unit



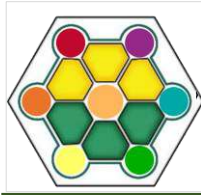
## Building the Resilience and Awareness of Metro Manila Communities to Natural Disasters and Climate Change Impacts Program: Preparatory Phase: Capacity Building Team

UP PLANADES was commissioned by the Australian Agency for International Development (AusAID) in October 2009 to design and conduct the BRACE Program or Building the Resilience and Awareness of Metro Manila Communities to Natural Disasters and Climate Change Impacts Program to reduce the vulnerability and enhance the resilience of Metro Manila communities to the impacts of natural disasters and climate change – starting with the Taguig City Government (TCG). The Program, which is scheduled to commence mid-2012, consists of four (4) interrelated components that will be pursued with various partners under different management arrangements:

- Component 1: Risk Analysis
- Component 2: Community-Based Disaster Risk Management
- Component 3: Risk-sensitive Land Use Planning
- Component 4: Building Safer Settlements.



# Climate Change and Disaster Risk Management Unit



## Report for the MDG-F 1656 Joint Programme on Strengthening the Philippines' Institutional Capacity to Adapt to Climate Change in 2012.

In policy formulation, PLANADES provided technical assistance for the Preparation of the Project Completion Report for the MDG-F 1656 Joint Programme on Strengthening the Philippines' Institutional Capacity to Adapt to Climate Change in 2012.



## Capacity Building Strategy and Appropriate Tools for Adoption of the Climate Change Adaptation (CCA)- Enhanced Environmental Impact Assessment (EIA) for Environmental Compliance Certificate (ECC) Applications

The DENR Environmental Management Bureau (EMB) and the National Economic and Development Authority (NEDA) entered into a Memorandum of Agreement (MOA) last May 2010 under the Millennium Development Goals Fund 1656 Joint Programme (MDG-F 1656 JP) entitled "Strengthening the Philippines' Institutional Capacity to Adapt to Climate Change." As part of the MDGF Programme strategy for mainstreaming climate risk reduction into key national and selected local development plans and processes, the requirements under the Philippine Environmental Impact Statement System (PEISS) have been specifically identified as an entry point of considering climate change risks and formulation of climate change adaptations in planning

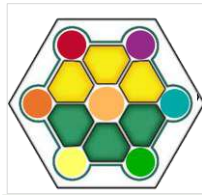


### TRAINING OF TRAINERS

Integrating Disaster Risk Reduction (DRR) and Climate Change Adaptation (CCA) in the Philippine Environmental Impact Statement System

21-23 September 2011  
Hotel Kimberly, Tagaytay

## Climate Change and Disaster Risk Management Unit



development initiatives at the project level. In line with this, EMB and NEDA engaged PLANADES to conduct and manage the Capacity Building Program in 2011.

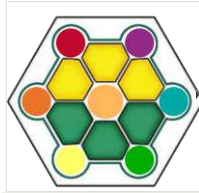
### Orientation-Workshop for Provinces on Climate Change: Sectoral Impact Assessment and Planning Applications

PLANADES also provided Orientation-Workshop for representatives from Provincial Government on Climate Change. The Orientation-Workshop validated the operability of the VA tool developed for the five sectors with specific focus on the following:

- Mainstreaming framework, scope of application and entry points in the PDPFP formulation process
- Vulnerability Assessment tool and parameters
- Identify major concerns and requirements to ensure the operability of the tool for the PDPFP formulation/ updating



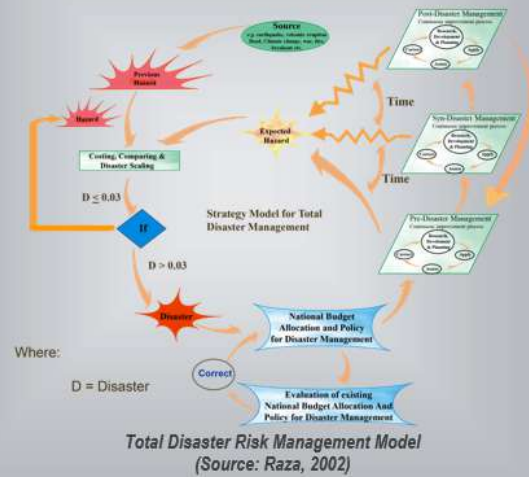
# Climate Change and Disaster Risk Management Unit



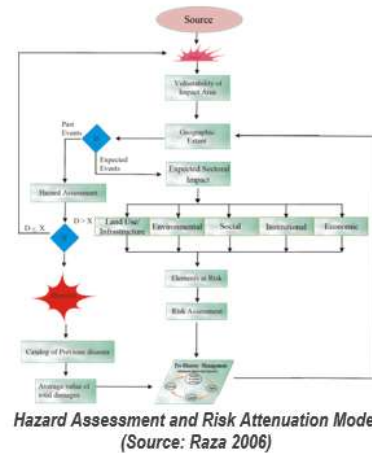
## Researches and Extension

The following is a non-exhaustive list of major DRM-related projects completed by the PSBA-Manila DRM Unit.

### Strategic Model: Conceptualization and Implementation of a Total Disaster Risk Management: Cherry Hills Tragedy, Antipolo City



### Disaster Damage Costing: Hazard Assessment and Risk Attenuation Model (HARAM): Integration in Development Planning



### Increase in Total Construction Cost when Recommended Mitigating Measures are not Followed: A Case Study of a Subdivision on Sloping Ground



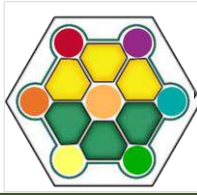
Increase in Total Construction Cost when Recommended Mitigating Measures are not Followed: A Case Study of a Subdivision on Sloping Ground (Source: Raza, 2003)

### Mainstreaming DRR in Cantonment Physical and Development / Redevelopment Planning Framework; Case Studies of Attock, Wah and Rawalpindi Cantonments

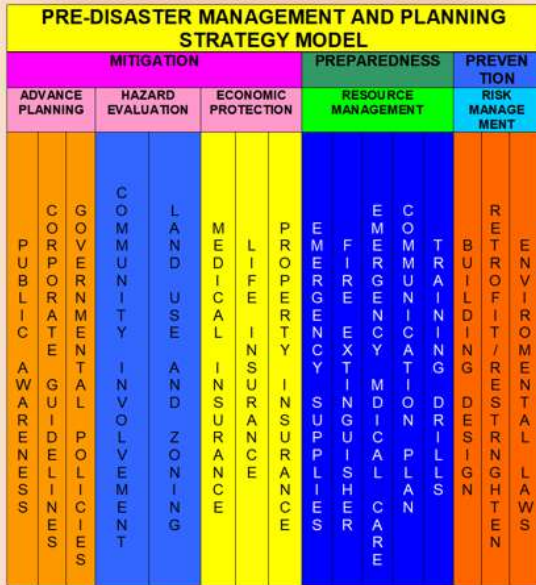


Flood Extent of Attock, Wah, and Rawalpindi Cantonments in 2010 (Source: Raza, 2011)

# Climate Change and Disaster Risk Management Unit

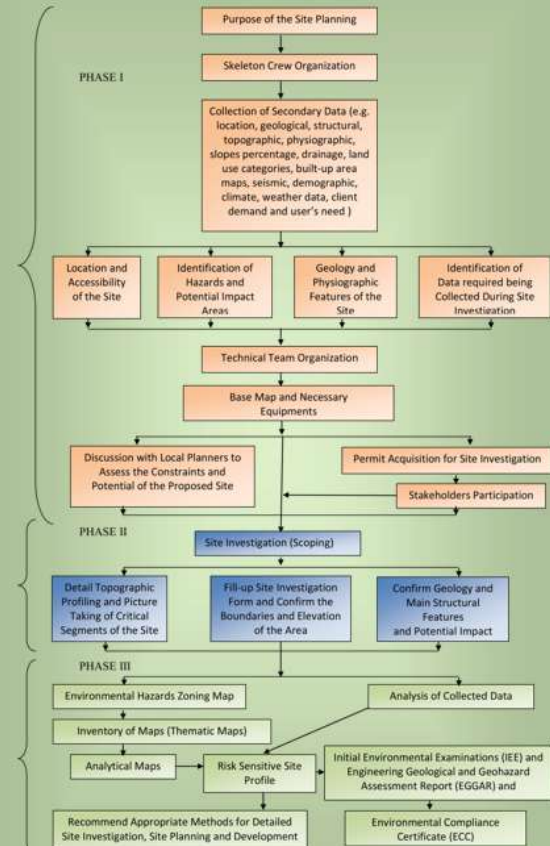


## Pre-Disaster Management of Earthquake by Petron Service Stations along Marikina Fault, Master Thesis



Pre-Disaster Management and Planning Strategy Model (Source: Cajigal, 2007)

## Anatomy of Site Profiling Towards Environmental Hazards Reduction



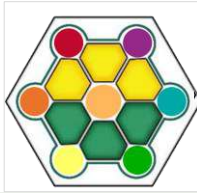
Anatomy of Site Profiling Model (Source: Raza, 2006)

## Development and Application of a Process in Preparing Local Climate Change Action Plan (LCCAP): An Urban Sustainability Framework (USP), Quezon City, Philippines

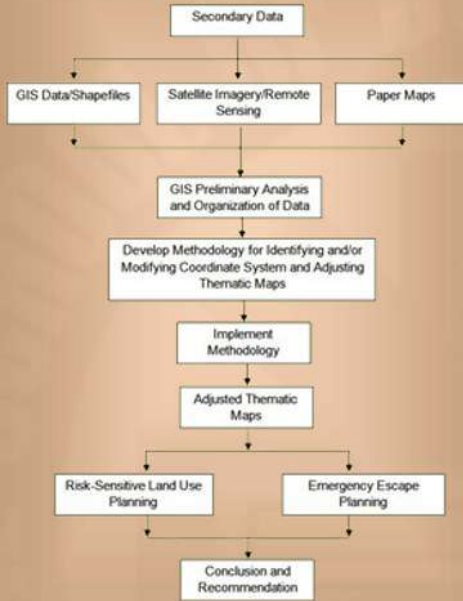


Presentation of the study during the Sustainable Built Environment 2016: Manila Conference, "Sustainable Built Design" July 13-15, 2016 at Acacia Hotel, Alabang, Muntlupa City, Philippines

# Climate Change and Disaster Risk Management Unit

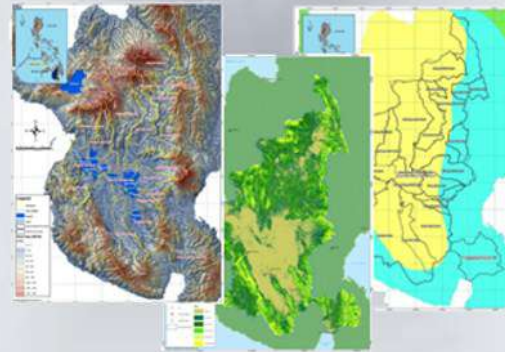


## Geo-referencing of Thematic Maps using Geographic Information System (GIS): Applications for DRR/Risk-sensitive Land Use and Emergency Escape Route Planning, Kathmandu Metropolitan City



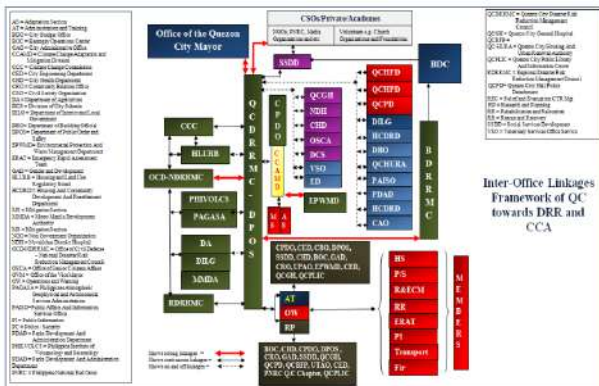
Conceptual Framework of the Study. Full study is available at <http://www.un-spider.org/book/5154/4c-challenge-communication-coordination-cooperation-capacity-development> (Source: Raza, 2010)

## External Review – Identifying Gaps in Disaster Risk Reduction Management Approach in Mindanao River Basin Integrated Management and Development Master Plan and Corresponding Recommendations



Mindanao River Basin Integrated Management and Development Master Plan (Source: Raza, 2010)

## Strengthening Urban Governance and Adaptive Capacity Building for Climate Change Adaptation (CCA): Characteristics of Quezon City Government (QCG) Resilience

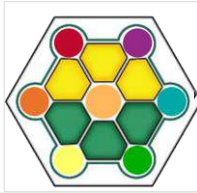


Inter-Office Linkages Framework of QC towards DRR and CCA framework for the study (Source: Raza, 2015)

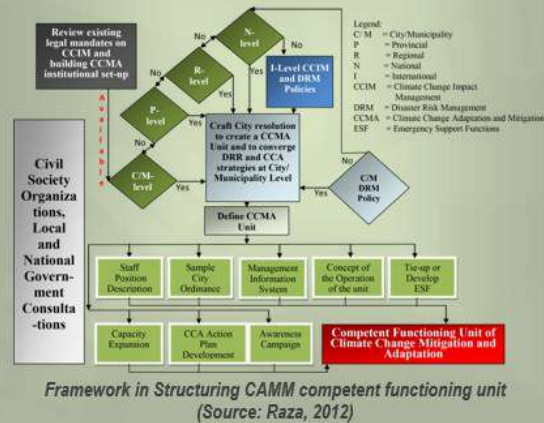


Hon. Mayor Herbert Bautista, third from the left, with local and international experts on DRM during the Future Perfect Quezon City International Conference, 2015, where the study was presented

# Climate Change and Disaster Risk Management Unit



## Framework in Structuring a Competent Functioning Unit of Climate Change Adaptation and Mitigation (CCAM) at City/Municipality: Emerging CCA and Disaster Risk reduction (DRR) Strategies



## Strengthening Urban Governance and Capacity Building for Disaster Risk Reduction and Climate Change Adaptation: Characteristics of Quezon City Resilience



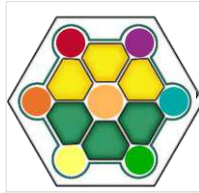
The study presented in the 12th APRU Research Symposium on Multi-Hazards held on March 7 to 8, 2016 at Kyoto University, Kyoto, Japan

## 2nd International Disaster Risk Management Research Colloquium 2017



Local and international DRM resource speakers and attendees of the 2nd International Disaster Risk Management Research Colloquium 2017 at QCX Theater, Quezon City, Philippines, on October 14, 2017

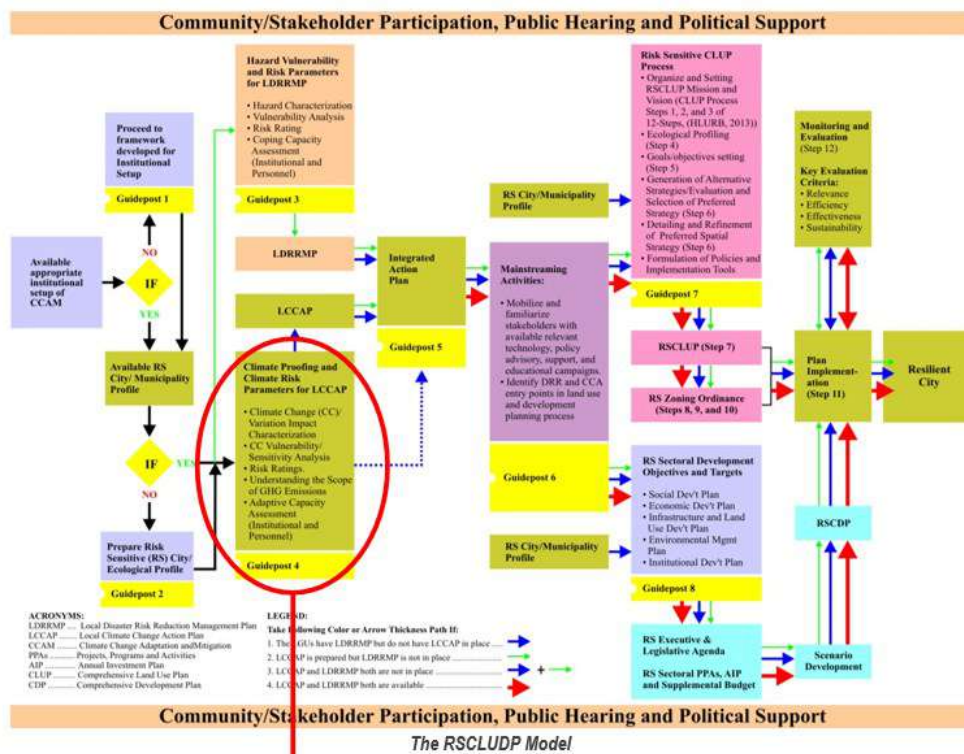
# Climate Change and Disaster Risk Management Unit



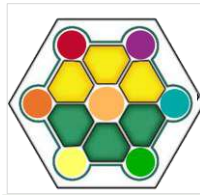
## Products

### Risk-Sensitive Comprehensive Land Use and Development Planning (RSCLUDP) Model

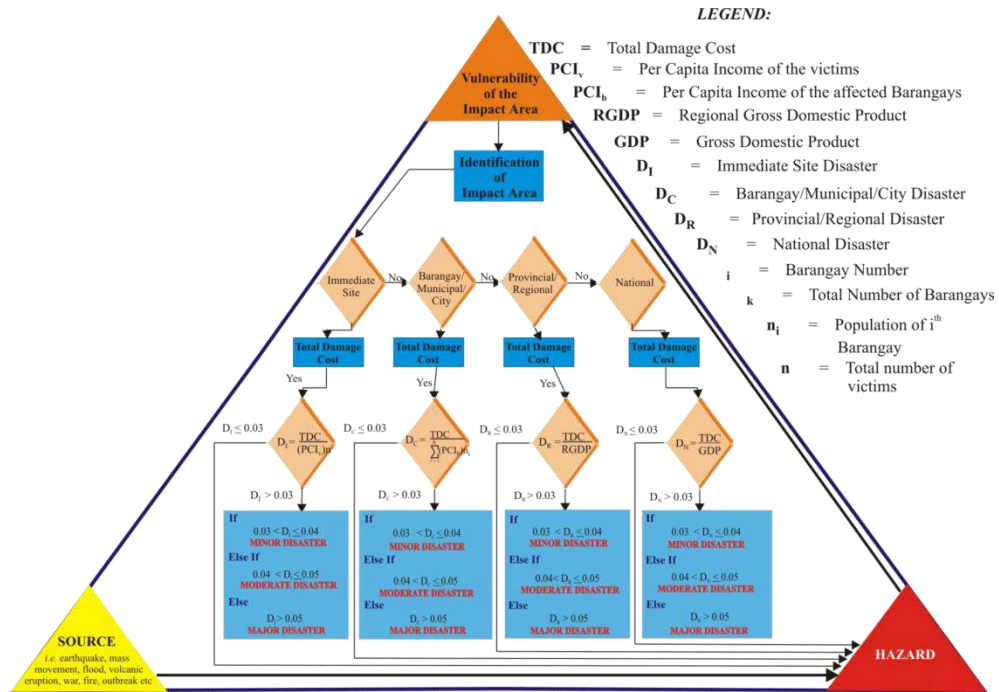
The RSCLUDP Model has been used to create Local Climate Change Action Plans (LCCAP) and its corresponding workshops and training manuals, such as the **Quezon City Local Government Climate Change Action Plan (LCCAP) 2017-2027**



# Climate Change and Disaster Risk Management Unit

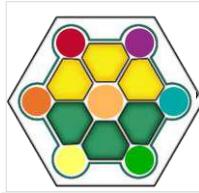


## Estimation of Economic Damages Caused by Disasters: Event Impact Rapid Assessment and Disaster Scaling (EIRADS) Calculator



Conceptual framework for the EIRADS Calculator

# Climate Change and Disaster Risk Management Unit



## People

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<b>MANAGERIAL SUPPORT</b>	<b>RESEARCH &amp; EXTENSION FELLOWSHIP PROGRAM</b> 60 personnel	<b>INTERNATIONAL ORGANIZATION FELLOWSHIP PROGRAM</b> 30 personnel	<b>INTERNATIONAL PARTNERS SCHOOL FELLOWSHIP PROGRAM</b> 10 personnel	

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