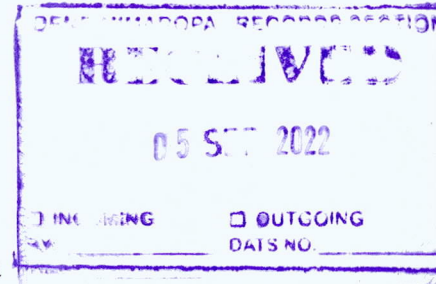




Republic of the Philippines  
Department of Environment and Natural Resources  
MIMAROPA Region  
**PROVINCIAL ENVIRONMENT AND NATURAL RESOURCES OFFICE**

AUG 25 2022



**MEMORANDUM**

FOR : The Regional Executive Director  
DENR MIMAROPA Region  
1515 L&S Bldg. Roxas Blvd . Ermita, Manila

THRU : The ARD for Technical Services

FROM : The OIC, PENR Officer

SUBJECT : ACCOMPLISHMENT REPORT ON THE CONDUCTED  
ACTIVITY PROVIDING TECHNICAL ASSISTANCE TO  
LOCAL GOVERNMENT UNITS ON THEIR  
RESPECTIVE INTEGRATED COASTAL  
MANAGEMENT (ICM) PLAN

Respectfully forwarded herewith is the memorandum dated August 22, 2022 of CENRO Sablayan regarding conduct of Technical Assistance for Integrated Coastal Management (ICM).

Please be informed that the above-mentioned activity was conducted by CENRO Sablayan to orient some LGU Sablayan personnel especially those that are involved in the drafting/updating of their Comprehensive Land Use Plan (CLUP) and Integrated Coastal and Marine Resources Management Plan (ICMP).

Attached are the geo-tagged photos, activity report, copies of the presentation and other pertinent documents.

For information and record.

  
**ERNESTO E. TAÑADA**

TSD-CDS8/24/2022

Copy furnished:

1. Planning Section
2. File

So. Pag-asa, Brgy. Payompon, Mamburao, Occidental Mindoro  
Email: penroccemin@denr.gov.ph



Republic of the Philippines  
Department of Environment and Natural Resources  
MIMAROPA Region  
**COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**

August 22, 2022

**MEMORANDUM**

**FOR** : The OIC, PENR Officer  
Mamburao, Occidental Mindoro

**THRU** : The Chief, Technical Services Division  
Mamburao, Occidental Mindoro

**FROM** : CENR Officer

**SUBJECT** : ACCOMPLISHMENT REPORT ON THE CONDUCTED  
ACTIVITY PROVIDING TECHNICAL ASSISTANCE TO LOCAL  
GOVERNMENT UNITS ON THEIR RESPECTIVE INTEGRATED  
COASTAL MANAGEMENT (ICM) PLAN

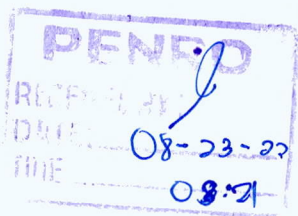
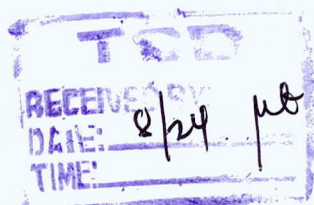
**RECORDED**  
Date: 8-22-22  
By: [Signature]

Respectfully submitted herewith is the Accomplishment report of the Conservation and Development Section under Coastal and Marine Resources/ Areas particularly in the conduct of Technical Assistance for Integrated Coastal Management.

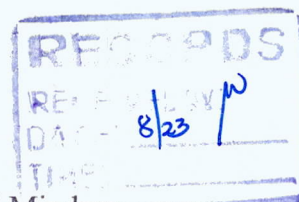
Please be informed that this office has conducted an Orientation activity to some LGU Sablayan personnel especially those that are involved in the drafting/ updating of their Comprehensive Land Use Plan (CLUP) and Integrated Coastal and Marine Resources Management Plan (ICMP).

Attached are the geo-tagged photos, activity report, copies of the presentation and other pertinent documents.

For information and record.



[Signature]  
FOR. ANASTACIO A. SANTOS, MPA







Republic of the Philippines  
Department of Environment and Natural Resources  
MIMAROPA Region  
**COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**

---

August 19, 2022

**MEMORANDUM**

**FOR** : The CENR Officer

**THRU** : The Deputy CENR Officer

**FROM** : CENR Officer

**SUBJECT** : ACCOMPLISHMENT REPORT ON THE CONDUCTED  
ACTIVITY PROVIDING TECHNICAL ASSISTANCE TO  
LOCAL GOVERNMENT UNITS ON THEIR RESPECTIVE  
INTEGRATED COASTAL MANAGEMENT (ICM) PLAN

Respectfully submitted herewith is the Accomplishment Report of the Conservation and Development Section (CDS) under Coastal and Marine Resources/ Areas particularly the conduct of Technical Assistance for Integrated Coastal Management.

Please be informed that the CDS office has conducted an orientation to some LGU Sablayan personnel especially those that are involved in the drafting/ updating of their Comprehensive Land Use Plan (CLUP) and Integrated Coastal and Marine Resources Management (ICM) Plan. This activity was also attended by DENR PENRO and CENRO Sablayan personnel.

Attached are the geo-tagged photos, activity report, copies of the presentation, and other pertinent documents.

For information, evaluation, and record.

  
ALVIN E. SANICO



## **ACTIVITY REPORT ON THE ORIENTATION TO THE MAINSTREAMING THE INTEGRATED COASTAL MANAGEMENT (ICM) APPROACH TO THE LOCAL GOVERNMENT UNITS COMPREHENSIVE LAND USE PLAN**

### **1. List of Attendees**

<b>DENR</b>		<b>LGU-SABLAYAN</b>
Anastacio A. Santos	Noriel M. Dulatre	Luzviminda C. Alto
Emiliza A. Calabio	Jebiela Petalcorin	Robert P. Duquil
Isaias A. Guimod	Ferdinand B. Magno	Luis B. Corpuz
Alvin E. Sanico	Marlon C. Cortez	Harold C. Rapajon
Reynaldo A. Daño	Dennis E. Feratero	Joel M. Ordenes
Merlie Barrera	Pamela M. Marcelino	Jinky Joy G. Andrade
Joseph M. Mateo	Angelica D. Flores	Joselito Tiongson
Ronie Alpajaro		Suzette N. Añasco
		Kim C. Alto

### **2. Date and Venue**

The orientation was held at Palayok ni Jing Restaurant and Catering Services, Brgy. Buenavista, Sablayan, Occidental Mindoro on August 5, 2022, it started at 9:00 am with a prayer led by MENRO Robert P. Duquil followed by National Anthem thru an Audio-Visual presentation.

### **3. Welcome Remarks and Message**

Welcome remarks were given by CENRO Anastacio A. Santos, he emphasized the importance of the activity especially for both the LGU and the DENR. He emphasize the economic importance of our coastal areas, factors affecting our coastal areas like solid waste management in connection in the effects of climate change. He also added the ridge to reef approach that should be practice/ incorporated in all the plans and programs of both agencies.

A short message was also shared by MPDC Luzviminda C. Alto wherein she highlighted the importance of the activity to LGU Sablayan she also stated that the LGU is very thankful that the DENR has chosen Sablayan as the pilot LGU in which the said policy will be implemented, she also added that the policy to be discussed will much helpful as they will be updating their Comprehensive Land and Water Use Plan (CLWUP), Forest Land Use Plan (FLUP) and in drafting/ updating their Integrated Coastal and Marine Resource Management Plan (ICMRP) for 2023.

### **4. Roll Call**

Forester Alvin E. Sanico Chief Conservation and Development Section started the roll call on the participants.





## 5. Orientation Proper

Engineer Ronnie Alpajaro from DENR MIMAROPA Region particularly from CDD CRFMS started the event by asking if the LGU will make ICM Plan? The LGU personnel answered yes and that it is scheduled next year.

Engineer Alpajaro presented and explained the principles that form the foundation of ICM practice, delineating the ICM Operational Boundary, Engr. Alpajaro presented a sample table with the basic data that has been previously filled out by the LGU was reviewed.

During the review, some of the data were updated particularly in the column of the name of major river/s wherein Pasugui, Alipid and Busuangan rivers were added and are for ground validation activity to be conducted. To further visualized the river systems PMF Noriel M. Dulatre shared a GIS Map that was overlayed using Google earth application the map also includes the location of all the Locally Managed Marine Protected Areas (LMMPAs) within the Municipality of Sablayan.

The discussion continued to the ICM Program Development and Implementation Cycle of the program which mirrors the 12 step CLUP Process.

ICM Program Cycle	CLUP Guidelines by the DHSUD
Preparing/ Site profiling /SOC baseline Coordinating mechanism	Organizing
	Stakeholders Identification
Initiating/ Prioritization of Management Issues	Visioning
	Analysis of situation
Developing/ Formulation of strategies and action plans	Setting Goals and Objectives
	Establish Development thrusts and spatial strategies
	Prepare Land Use Plan
	Draft the Zoning Ordinance
	Conduct Public Hearing
Adoption	Review, Adopt and Approve the CLUP and ZO
Implementation	Implement the CLUP and ZO
Refining and Consolidation/ Monitoring, evaluation and reporting	Monitor and evaluate the CLUP and ZO

LGU representatives are then asked if they are aware of the above cycle of the CLUP process and they said that they are aware especially those who are part/ members of the CLUP TWG of the LGU and that the activity will capacitate them in incorporating the BMB Technical Bulletin for the updating of their CLUP and ICM.

The discussion continues and the ICM Mainstreaming into the CLUP, Integrated Coastal Management Framework for Sustainable Development of the Coastal and Marine Environment and Resources specifically the Thirty-five (35) core indicators on ICM CLUP was discussed.



Republic of the Philippines  
Department of Environment and Natural Resources  
MIMAROPA Region  
**COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**

1. Coastal profile/ Environmental risk assessment	19. Areal extent of habitats and heritage
2. Coastal strategy and action plans	20. Protected areas for coastal habitats and heritage
3. Local government development plan, including coastal and marine areas	21. Reclamation and conversion
4. Coordinating mechanism	22. Water conservation and management
5. Participation of stakeholders in the coordinating mechanism	23. Access to improve water source
6. ICM enabling legislation	24. Incidences/deaths due to waterborne diseases
7. Administration and monitoring of compliance to legislation	25. Fishery management plan and implementation
8. Environmental cases filed/resolved	26. Fisheries production
9. Public education and awareness	27. Malnutrition rate
10. Stakeholder participation and mobilization	28. Poverty, education and employment
11. Availability/accessibility	29. Livelihood programs
12. Human resource capacity	30. Management plans
13. Budget for ICM	31. Water quality
14. Sustainable financing mechanism	32. Air Quality
15. Level of preparedness for disasters	33. Sanitation and domestic sewerage
16. Degree of vulnerability	34. Municipal solid waste
17. Social and economic losses due to disasters	35. Industrial, agricultural and hazardous wastes
18. Habitat management plan and implementation	





Republic of the Philippines  
Department of Environment and Natural Resources  
MIMAROPA Region  
**COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**

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Engr. Alpajaro discussed each of the above core indicators and LGU representative commented that some of the indicators are not included/ needs updating since their CLUP which is very timely for the scheduled activity next year. MPDC Alto asked if that the core indicators need to be arrange in the same manner that Engr. Alpajaro has presented and Engr. Alpajaro answered added that they may rearrange the 35 core indicators depending on their preference.

After the presentation and some questions being entertained the meeting ended.


6. Adjournment

The Orientation ended at 12:50 pm.


Prepared by:

  
**MARLON C. CORTÉZ**  
Forest Technician I

Checked and Reviewed:

  
**ALVIN E. SANICO**  
Forester II/Chief, CDS


Noted:

  
**FOR. ANASTACIO A. SANTOS, MPA**  
CENR Officer

Name of Province	City or Municipality (Indicate whether Coastal or Landlocked)	Name of Major River System	Name of Receiving body of water	Name of Protected Landscape and Seascape (PLS)	Status of ICM Plan (Indicate whether Adopted (A), Currently updating (C), Actively implementing (I))	Duration of ICM Plan	Status of CLUP (A), Currently updating (C), Actively implementing (I)	Duration of CLUP	Status of CDP
Occidental Mindoro	Sablayan (C)	Amnay, Patrick, Mompong, Pasugui, Alipid and Busuanga River	Mindoro strait	Apo Reef Natural Park, 10 LMMPAs	ICM Plan for updating, Locally Managed Marine Protected Areas (10 Locally Managed MPAs with 10 adopted Management plans), ARNP has updated PAMP (2021-2031).	2017-2023	A, I	2015-2042	A (For updating 2022 revised)

Consolidated by:

Noted:

  
ALVIN E. SANICO  
FIL/ Chief, CDS

  
FOR. ANASTACIO A. SANTOS, MPA  
CENR Officer





REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES  
MIMAROPA REGION  
COMMUNITY ENVIRONMENT AND NATURAL RESOURCES

Orientation to the Mainstreaming the Integrated Coastal Management (ICM) Approach to  
the Local Government Units Comprehensive Land Use Plan (CLUP)

August 5, 2022

No.	NAME	POSITION/DESIGNATION	OFFICE	AGE	SEX		CONTACT NO.	SIGNATURE
					MALE	FEMALE		
1	WILMINDA C. AND	MRPC	MRDO	63			09178033442	
2	SUZETTE M. ANASCO	ADMIN. ASST.	MRDO	40			09457092413	
3	HAROLD C. RAPAJON	PDO	MRDO	28			0934 696 6007	
4	KITH C. ALTO	PA III	MRDO	25			09453042880	
5	ALBERT P. BAMBUL	MRDO	LGU-MBAMBUL	54			09158110236	
6	LUIS B. CORPUZ	PO II	MRDO	53			09182215125	
7	JOSEPH M. MARTIN	ECONS I	GENRO SBY	33			09159198538	
8	REYNALDO A. DANO	ECONS II	GENRO SBY	62			09176309425	
9	EMILYDA A. CALABLO	POE. III	DRIVE OFFICE	49			0934 409 1461	
10	NIRLE M. GALLINIA	Park Maintenance Forum	MRDO	42			09158733666	
11	JOEL M. ORDENOS	Agri I	OPSA	43			09101107054	
12	JIMMY JOY G. ANDRADO	Agua I	OPSA	29			09030211282	
13	SHIRAS A. GUMERO	FOR. III	GENRO-SBY	63			09168219290	
14	ANASTACIO A. SANTOS	GENRO	GENRO-SBY	59			09178387344	
15	NOEL DUARTE	PMT	PERDO	29			09357688589	
16	MARION C. CORTES	FT I	GENRO SBY	25			09358984230	
17	PAUL ALPAJON	Engy II	DRIVE Pujawan	32				
18	JOSEPH TROMBON	DMT - MCTM	MRDO	52			09160950962	





REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES  
MIMAROPA REGION  
COMMUNITY ENVIRONMENT AND NATURAL RESOURCES

Orientation to the Mainstreaming the Integrated Coastal Management (ICM) Approach to  
the Local Government Units Comprehensive Land Use Plan (CLUP)

August 5, 2022

No.	NAME	POSITION/DESIGNATION	OFFICE	AGE	SEX		CONTACT NO.	SIGNATURE
					MALE	FEMALE		
19	JERIELA CARLA PETALCORIN	SPLS II /	MGB	25		/	09488763812	
20	Flore Aygile	FPD	Genlro SBY	30		/		
21	Maria Bovera	For. II	Genlro SBY	29		/	09669470069	
22	FERDINAND R. MAGNO	PM FOREMAN	Genlro SBY	47			09156609155	
23	ALVIN E. SANICO	FI/CHIEF, CDS	Genlro SBY	28	/		09173011615	
24	benul E. fensfens	FI/ CDS	CSTYR	46	-		0977-797-0316	
25	Pamela M. Marulino		Csby	27		/		
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28								
29								
30								
31								
32								
33								
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## PHOTO DOCUMENTATION

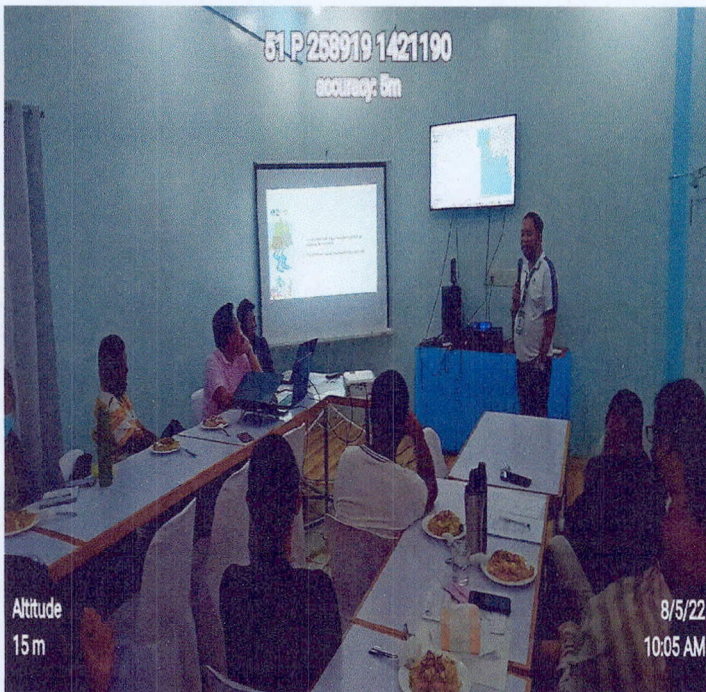
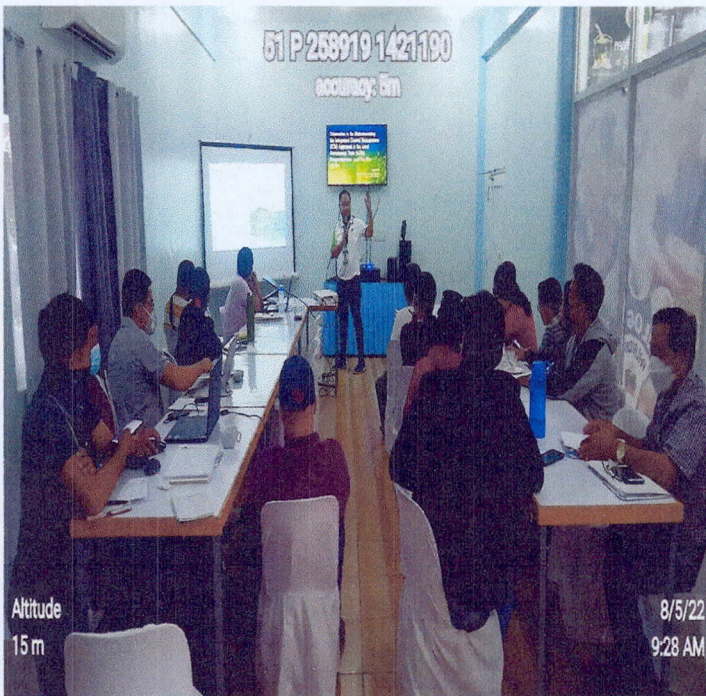


Geo-tagged photos showing CENRO Anastacio A. Santos giving his opening remarks (lower left) and MPDC Luzviminda C. Alto during her opening message (lower right)

94



## PHOTO DOCUMENTATION



Geo-tagged photos showing the orientation proper

9 4



# Mainstreaming of ICM to CLUP

RONIEE. ALPAJARO

1

## Definitions

### Integrated Coastal Management

An approach to managing a **defined coastal area** that understands the coast as a complex and dynamic system that encompasses many interactions between **people and ecosystems**, and must be managed as an **integrated whole**.

Utilizes coastal use zoning/integrated land and sea use zoning/integrated land and water use zoning, marine spatial planning as tools for allocating available **coastal (land and water) resources and spaces** to various land- and water-use activities and functions in consideration with the state of the ecosystems, consistent with the **shared vision**, socio-cultural and economic values of the society and **sustainable development goals**.

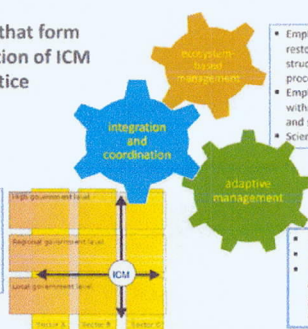
Refers to the **ridge-to-reef approach** and natural resource and environmental EBM framework which employs an integrative, holistic management approach and an interactive planning process in addressing the complex management issues of the coastal and marine areas, and the major goal of which is to attain sustainable coastal development, including the maintenance of the **functional integrity** of ecosystems through **effective coastal and ocean governance**.



2

## Principles that form the foundation of ICM practice

- Functional integration (horizontal/inter-sectoral)
- Policy integration (vertical/hierarchical)



- Emphasizes the protection and restoration of ecosystem structure, function and key processes
- Emphasizes the connectivity within and between systems (land and sea)
- Science-based planning

- Learning by doing
- Learning from experience
- Provides flexibility to act in the face of uncertainty; policy changes and political interventions and changes in public opinion

3

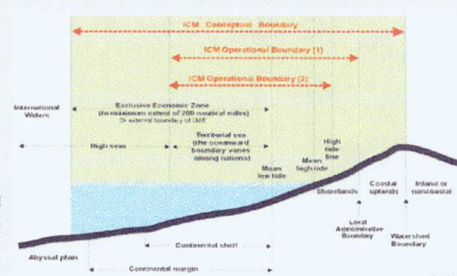
## Delineating the ICM Operational Boundary

### Ideal boundary for ICM - R2R

- Landward: entire watershed or catchment basin
- Seaward: 12 nm to 200 nm EEZ

### Operational boundary

- Landward: administrative boundary or arbitrary distance
- Seaward: 2 nm/ municipal waters or key habitats/marine waters of priority management concerns



4

Handwritten signature or mark.



Republic of the Philippines  
Department of Environment and Natural Resources  
MIMAROPA Region  
**COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**

June 13, 2022

**HON. ANDRES D. DANGEROUS**  
Municipal Mayor  
Sablayan, Occidental Mindoro

ATTN: **MR. ROBERT P. DUQUIL**  
MENR Officer

**RECORDED**

Date: 6-13-22  
9

**Dear Mayor Dangerous,**

Greetings of Peace!

This DENR CENRO Sablayan has a target activity under the Coastal and Marine Resources particularly in assisting the Local Government Units (LGUs) in crafting their Integrated Coastal and Marine Resources Management Plan which entail discussions/workshops with regards to the existing policies.

In this connection and considering the data currently available, we are proposing the municipality of Sablayan as our target area for this year. With this may we request a confirmation letter from your office if you will accept our proposal to be our host municipality for the said activity.

Should there be queries regarding the said activity, kindly contact Mr. Alvin E. Sanico our Conservation and Development Section thru his phone number at +63917-301-1615.

Thank you very much. More power and God bless.

*Recd. MENRO  
6/15/2022*

*RONALDO LEONARDO  
JUN 16, 2022*

Very truly yours,

**FOR. ANASTACIO A. SANTOS, MPA**  
CENR Officer





Republic of the Philippines  
Department of Environment and Natural Resources  
MIMAROPA Region  
**COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE**

June 25, 2022

**HON. WALTER B. MARQUEZ**  
Municipal Mayor  
Sablayan, Occidental Mindoro

ATTN: **MR. ROBERT P. DUQUIL**  
Municipal Environment and Natural Resources Officer

**MS. LUZVIMINDA C. ALTO**  
Municipal Planning and Development Coordinator

**MR. REYNALDO FACTOR**  
Municipal Agricultural Officer

Dear Mayor Marquez,

Greetings of Peace!

The DENR CENRO Sablayan has a target activity under the Coastal and Marine Resources particularly in assisting the Local Government Units (LGUs) in crafting their Integrated Coastal and Marine Resources Management Plan which entails orientation/discussions with regards to the existing policies. For this year, considering the data currently available, this Office had chosen the municipality of Sablayan to assist in the said target activity.

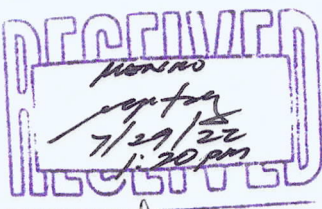
Relative hereto, may we invite you or your designated representative together with the Municipal Environment and Natural Resources Officer (MENRO), Municipal Planning and Development Coordinator (MPDC), Municipal Agricultural Officer (MAO) and three (3) of their personnel to attend the *Orientation on the Mainstreaming the Integrated Coastal Management (ICM) Approach to the Local Government Units Comprehensive Land Use Plan (CLUP)* to be held on August 5, 2022, at 8:00AM (with breakfast). The venue will be at Palayok ni Jing, Brgy. Buenavista, Sablayan, Occidental Mindoro.

Should there be queries regarding the said activity, kindly contact Mr. Alvin E. Sanico, Chief, Conservation and Development Section thru his mobile (+63917-301-1615).

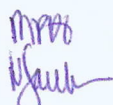
Thank you very much. More power and God bless!

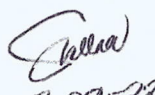
Very truly yours,

  
FOR. **ANASTACIO A. SANTOS, MPA**  
CENR Officer



National Road, Brgy. Sto. Niño, Sablayan, Occidental Mindoro  
E-mail: cenrosablayan@denr.gov.ph

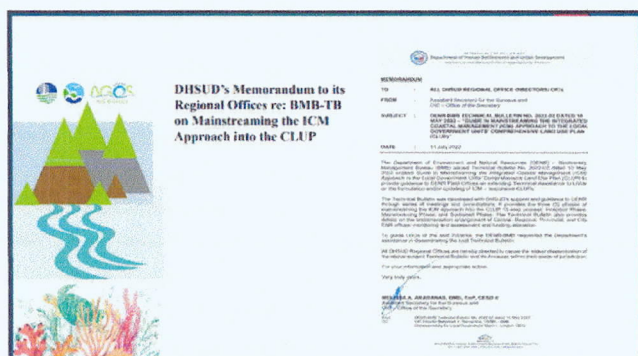
  
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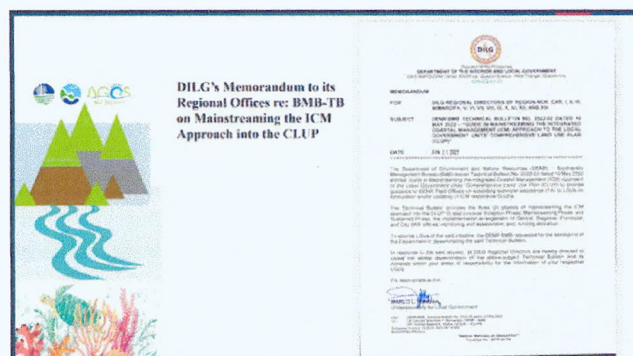
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7/29/2022







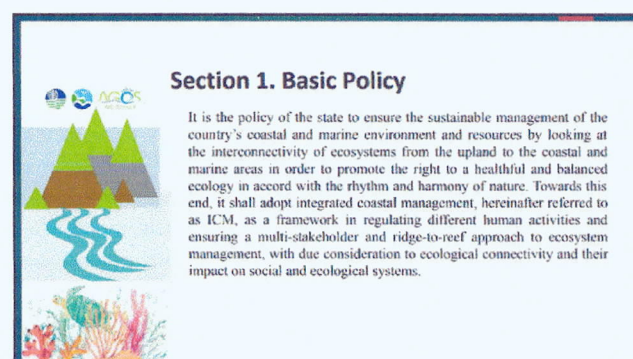
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## Section 2. Objective

This Technical Bulletin shall guide the DENR Field Offices in extending Technical Assistance to the LGUs in mainstreaming ICM into the Department of Human Settlements and Urban Developments' (DHSUD's) 12-step CLUP development planning process.

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## Section 3. Scope and Limitation

The Technical Assistance to be extended by the DENR Field Offices under this TB shall be initially implemented in LGUs with river systems influencing NIPAS Marine Protected Areas and other conservation areas, as part of the DAO 2016-26. This will eventually be implemented nationwide following a set of considerations in prioritization to be identified in the preparatory phase outlined in Section 5.

It is implied that the updating of the CLUP is LGU-led, and that the DENR Field offices will provide specific assistance consistent with their mandate, e.g., mapping, resource assessment, profiling, capacity building as outlined in Section 5 of this Technical Bulletin.

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## Section 4. Definition of Terms

For the purpose of this TB, the following definition of terms shall be used:

1. Adaption	13. Municipal Waters
2. Biological Diversity or Biodiversity	14. Other effective Area-based Conservation Measures (OECM)
3. Climate change	15. State of the Coasts Reporting System
4. Coastal area or zone	16. Watershed
5. Comprehensive Land Use Plan (CLUP)	17. Zoning
6. Ecosystems services	
7. Integrated Coastal Management (ICM)	
8. Integrated Coastal Management Plan (ICMP)	
9. Interconnectivity	
10. Legislated Marine Protected Area	
11. Mainstreaming in CLUP	
12. Marine Areas	

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## Section 5. ICM Mainstreaming into the CLUP

This section elaborates the phases of mainstreaming the ICM Approach into the CLUP. Each level has a set of activities to be undertaken with corresponding means of verification which is vital in monitoring the progress of mainstreaming.

- 5.1 Inception Phase
- 5.2 Mainstreaming Phase
- 5.3 Sustained Phase

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## Section 5. ICM Mainstreaming into the CLUP

### 5.1 Inception Phase

1. Creation of DENR Regional Composite Team with clear-cut tasks and outputs
2. Mapping of river systems influencing to NIPAS-MPAs with LGU coverage
3. Status of the LGU's Comprehensive Development Plan (CDP), Comprehensive Land Use Plan (CLUP), and Integrated Coastal Management Plan (ICMP)
4. Ground validation of inventoried river systems to identify key threats and issues and ENR Profiling
5. Notify the LGU on the result of the Inception Phase
6. Identification of LGU to be prioritized for ICM mainstreaming following these criteria:
  - a. Number of river systems and severity of consequences of threats and challenges
  - b. Status of ICM plan
  - c. Status of CLUP
  - d. LGU Partnership
  - e. Availability and accessibility of data

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## Section 5. ICM Mainstreaming into the CLUP

### 5.2. Mainstreaming Phase into the 12-step CLUP Guidelines by the DHSUD

#### 1 Organize

- Informing of new direction of DENR on ICM TA support
  - Inquiry on LGUs plan to update their CLUPs; or
  - LGU requests support from DENR Field Office
- DENR Field Office Letter to LGUs, or  
Report of Confirmation on LGUs CLUP update  
LGU Letter of Intent

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## Section 5. ICM Mainstreaming into the CLUP

### 5.2. Mainstreaming Phase into the 12-step CLUP Guidelines by the DHSUD

#### 2 Identification of Stakeholders

- Expression of interest to the LGUs
  - Membership to the development team of CLUP
- Meeting report with documentation; or  
Letter from the mayor indicating that the DENR is part of the TWG

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## Section 5. ICM Mainstreaming into the CLUP

### 5.2. Mainstreaming Phase into the 12-step CLUP Guidelines by the DHSUD

#### 3 Vision Setting


- ICM related descriptors / keywords provided for LGU vision statement.
  - Inputs to Vision-Reality Gap (VRG) workshop provided, if applicable
- Meeting report indicating:  
Approved vision statement of the LGU  
Inputs to VRG

20

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**Section 5. ICM Mainstreaming into the CLUP**  
5.2. Mainstreaming Phase into the 12-step CLUP Guidelines by the DHSUD




**4**  
**Analysis of Situation**

<p>Data for ENR Profile Provided:</p> <ul style="list-style-type: none"> <li>• BAMS/BMS present</li> <li>• SEAMS/SRPAO/ Water Quality</li> <li>• Technical inputs in sectoral studies, environmental facts and figures</li> <li>• Watershed maps / river systems map / Digital Elevation Model</li> <li>• Relevant shapefiles/data/information</li> </ul>	<p>Report on submitted documents; or Workshop documentation Inputs to ENR profile</p>
---	---

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**Section 5. ICM Mainstreaming into the CLUP**  
5.2. Mainstreaming Phase into the 12-step CLUP Guidelines by the DHSUD




**5**  
**Set the Goals and Objectives**

<ul style="list-style-type: none"> <li>• ICM goals, objectives, and success indicators on the environmental sector</li> <li>• Cross-cutting sectoral studies.</li> </ul>	<p>Report on submitted documents in the CLUP containing: ICM goals Objectives Success Indicators</p>
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**Section 5. ICM Mainstreaming into the CLUP**  
5.2. Mainstreaming Phase into the 12-step CLUP Guidelines by the DHSUD




**6**  
**Establish Development Thrust and Spatial Strategies**

<ul style="list-style-type: none"> <li>• Inputs / analyses of relevant spatial strategies and tools.</li> <li>• Consider adjacent municipalities within the watershed.</li> <li>• Watershed/river basin analysis report and assessment to check for R2R approach and connectivity</li> </ul>	<p>Report on strategies of the LGUs in consideration of the R2R approach, including: Maps/data provided to LGUs Watershed/river basin analysis and assessment</p>
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**Section 5. ICM Mainstreaming into the CLUP**  
5.2. Mainstreaming Phase into the 12-step CLUP Guidelines by the DHSUD



**7**  
**Prepare the Land Use Plan**


<p>Inputs / analyses on policies/zoning using information from Step 4</p> <ul style="list-style-type: none"> <li>• Watershed (Forest, river basin)</li> <li>• Coastal and marine (Corals, seagrass, mangrove, mudflats, wetland)</li> <li>• Protected Area Management Zoning</li> </ul>	<p>Report on documents with appropriate attachments (Technical Description of the Land Use policy areas)</p>
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**Section 5. ICM Mainstreaming into the CLUP**  
5.2. Mainstreaming Phase into the 12-step CLUP Guidelines by the DHSUD



**8**  
**Draft the Zoning Ordinance**


Check and provide inputs on

- Allowable, non-allowable uses,
- Design regulations,
- DRR-CCA policies on the zones,
- Other conservation areas (i.e., coastal and land conversion projects)

Draft ZO incorporating the inputs provided

25

**Section 5. ICM Mainstreaming into the CLUP**  
5.2. Mainstreaming Phase into the 12-step CLUP Guidelines by the DHSUD




**9**  
**Conduct Public Hearing**

Participate in the public hearing

Participation (Attendance Sheet)  
Meeting report  
Photo documentation

26

**Section 5. ICM Mainstreaming into the CLUP**  
5.2. Mainstreaming Phase into the 12-step CLUP Guidelines by the DHSUD




**10**  
**Review, Adopt and Approve the CLUP and ZO**

Participate in the Review of the approved CLUP and ZO

- Participation (Attendance Sheet)
- Meeting report
- Photo documentation

27

**Section 5. ICM Mainstreaming into the CLUP**  
5.2. Mainstreaming Phase into the 12-step CLUP Guidelines by the DHSUD



**11**  
**Implement the CLUP and ZO**

Secure a copy of the draft SB Resolution Adopting the Implementation of the ICM-responsive CLUP

Minutes of Meeting of the discussion of the Resolution

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## Section 5. ICM Mainstreaming into the CLUP

5.2. Mainstreaming Phase into the 12-step CLUP Guidelines by the DHSUD

12

### Monitor and Evaluate the CLUP and ZO

Environmental Management  
Council meetings with the LGUs

Participation (Attendance Sheet)  
Meeting report  
Photo documentation

29

## Section 6. Implementation Arrangements

The implementation of this TB covers the process of mainstreaming the ICM Approach into the CLUP. This requires multi-coordination among DENR, LGUs and other concerned agencies/institutions. The implementation of the ICM-responsive CLUP shall be the mandate of the Local Government Units per Local Government Code of 1991.

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## Section 6. Implementation Arrangements

### 6.1 CENRO

1. Be actively involved as a member of the LGU's Planning team responsible in the formulation and updating of the CLUP;
2. Provide technical assistance to the identified and prioritized municipality/city governing bodies (See Section 5 for the TA, and Section 7 for the considerations for prioritization);
3. Monitor the progress of TAs in the mainstreaming of ICM and provide progress reports with recommendation;
4. Provide capacity development support in LGU in the mainstreaming of ICM, contingent on trainings and capacity needs assessment by the DENR BMB;
5. Submit to PENRO bi-annual progress report with action taken and recommendations; and
6. Provide close coordination with the counterpart concerned agencies/institutions and LGU's M/CPDC

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## Section 6. Implementation Arrangements

### 6.2 PENRO

1. Provide technical assistance to the CENRO in mainstreaming ICM to the LGUs' CLUP;
2. Provide capacity development support to CENRO in the mainstreaming of ICM, contingent on trainings and capacity needs assessment by the DENR BMB;
3. Monitor and evaluate reports submitted by the CENRO and provide recommendations;
4. Consolidate CENRO reports with actions taken and recommendations, and submit to RO bi-annual progress report; and
5. Be actively involved as a member of Provincial Land Use Committee (PLUC).

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## Section 6. Implementation Arrangements



### 6.3 Regional Office (RO)

1. Provide technical advice to the CENROs and PENROs in mainstreaming ICM to the LGUs' CLUP;
2. Provide capacity development support to CENROs and PENROs in the mainstreaming of ICM to LGUs' CLUP contingent on trainings and capacity needs assessment by the DENR BMB;
3. Monitor and evaluate reports submitted by the PENROs;
4. Consolidate PENRO reports and submission to BMB of bi-annual progress report on the status/progress of mainstreaming ICM;
5. Analyze and process consolidated reports from the PENRO and provide recommendations from the consolidated reports; and
6. Be actively involved as a member of the Regional Land Use Committee (RLUC).

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## Section 6. Implementation Arrangements



### 6.4 Biodiversity Management Bureau (BMB)

1. Provide guidance to the Field Offices in mainstreaming ICM to the LGUs' CLUP;
2. Conduct trainings and capacity needs assessment for the DENR Field Staff, and provide capacity development programs on the mainstreaming of ICM to LGUs' CLUP;
3. Enhance ICM database networked to the CMEMP and BMB database;
4. Monitor and evaluate the consolidated reports submitted by the ROs and provide analysis and recommendations; and
5. Submit Annual National Progress Report to the Secretary of DENR in mainstreaming ICM to LGUs CLUP.

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## Section 7. Monitoring and Assessment



The BMB shall monitor and assess the phases of progress of the ICM Mainstreaming into the CLUP by the DENR Field offices based on the activities and its means of verification provided in each phase in Section 5. The monitoring tool is attached as **Annex 3** to guide all concerned DENR Offices.

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## Section 8. Funding

The DENR BMB and Field Offices shall allocate necessary funding to support the execution of this TB under the DAO 2016-26.

## Section 9. Separability Clause

If any provisions of this TB shall be held invalid or unconstitutional, the other portions or provisions hereof which are not affected shall continue in full force and effect.

## Section 10. Effectivity

This Order shall take effect immediately and shall be circulated for information and guidance of all concerned Offices.

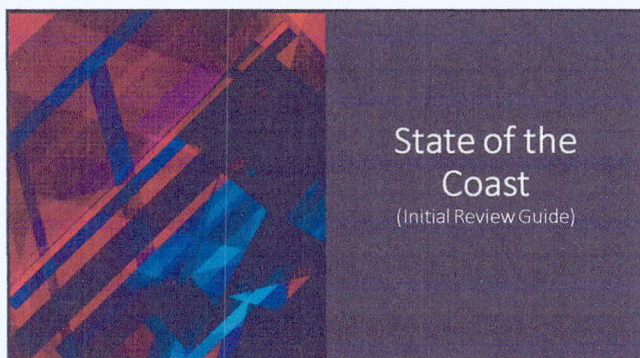
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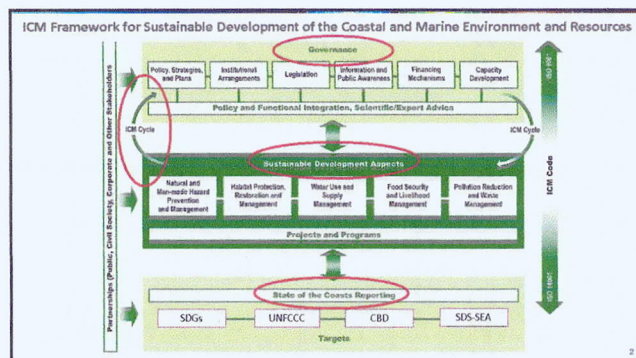


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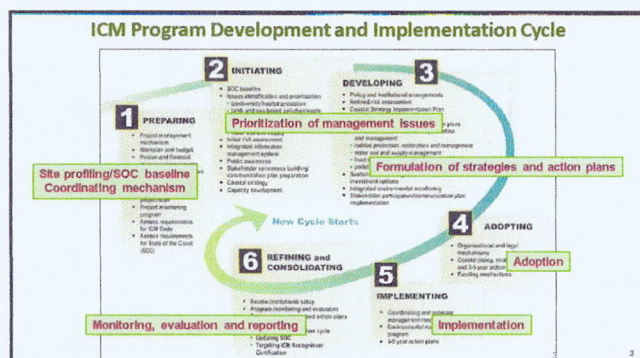




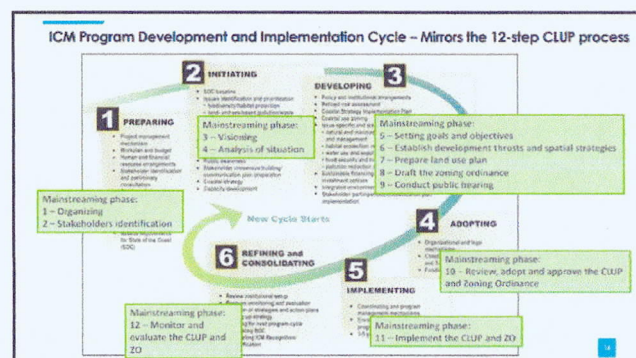
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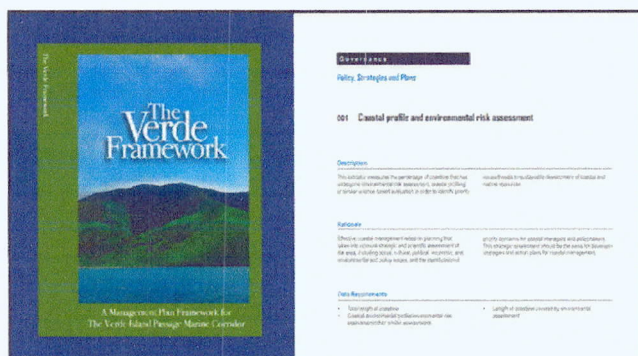


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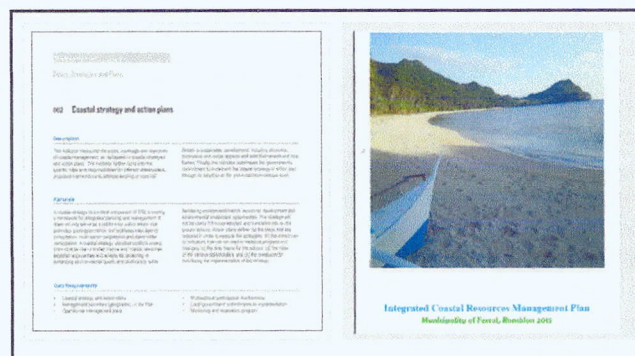
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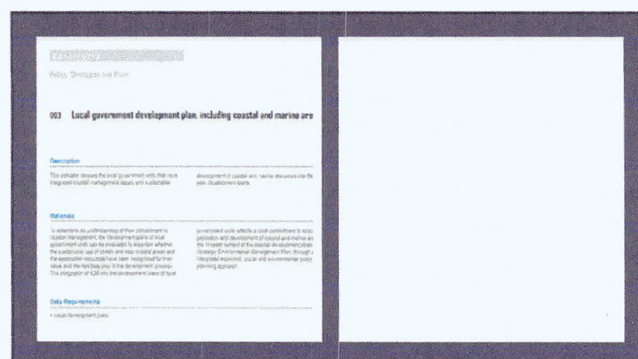




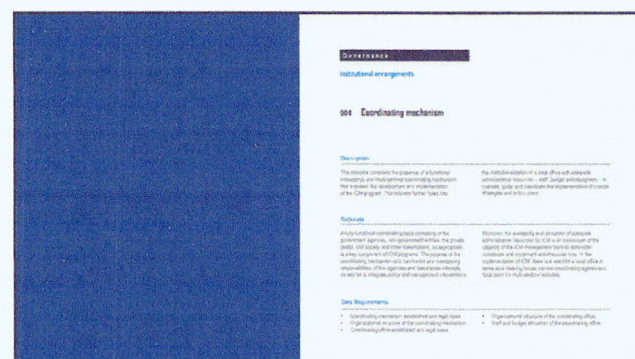
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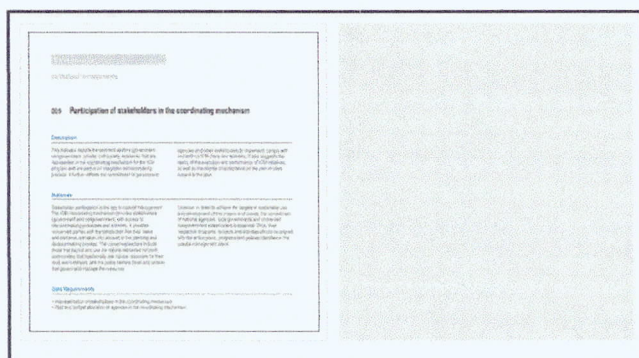


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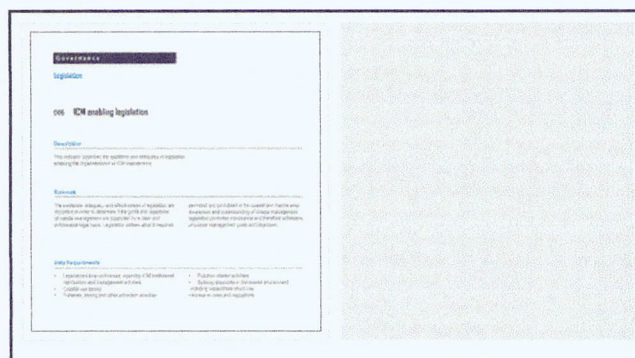


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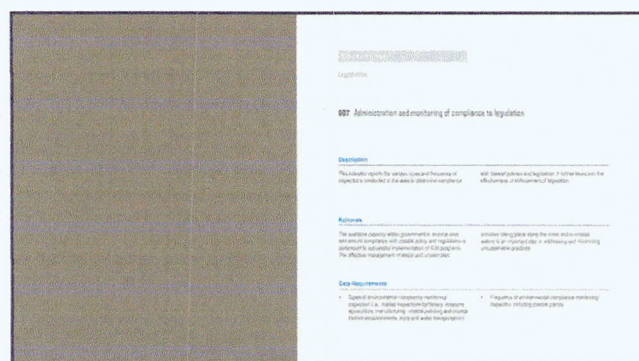
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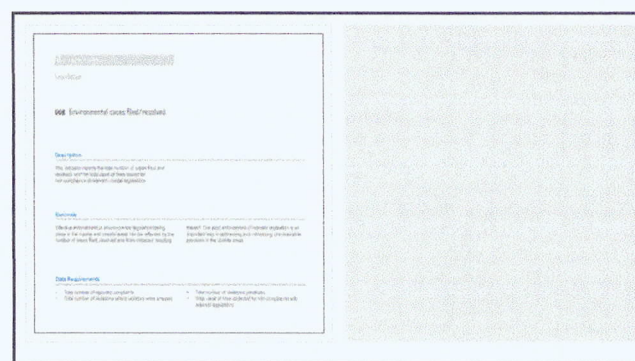
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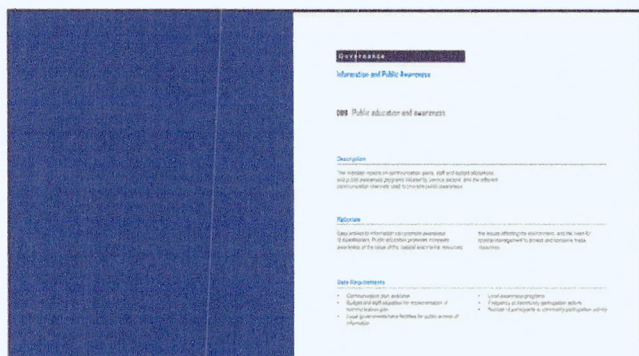
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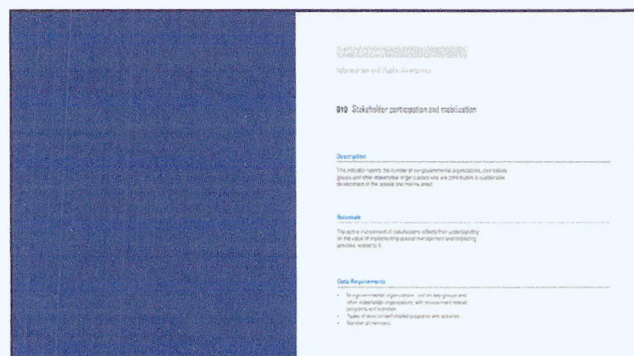
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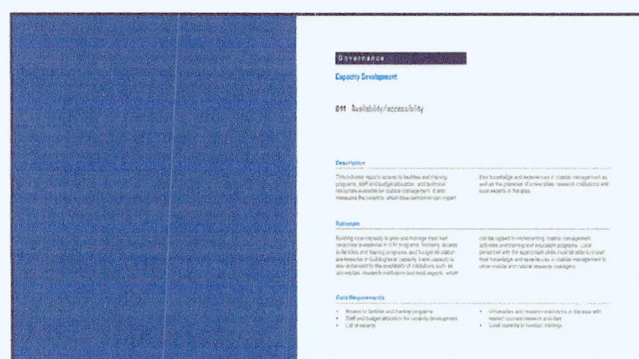




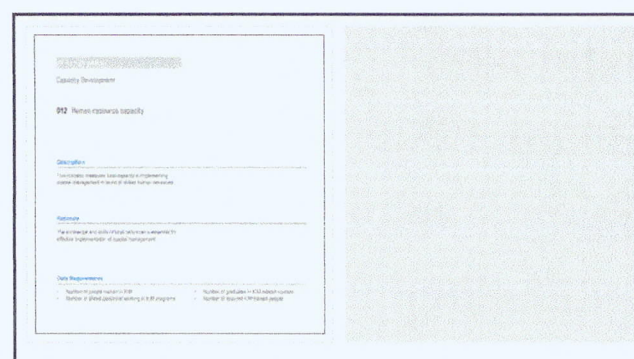
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Sustainable Development Agenda	
<p><b>Nature and Man-made Ecosystem Protection and Management</b></p> <p><b>015</b> <i>Loss of progressiveness for disaster</i></p> <p><b>Description</b></p> <p>This initiative involves the formulation of disaster preparedness and management plans, conduct proper mitigation, budget prioritization in sustainable urbanization, and to support the national disaster preparedness.</p> <p><b>Notes</b></p> <p>Local universities and disaster management personnel should be encouraged to deliver lectures. Participation of students and possibly known local to report and monitor.</p> <p><b>Data Requirements</b></p> <ul style="list-style-type: none"> <li>• availability of natural resources and environmental degradation information</li> <li>• list of disaster-prone disaster-prone areas</li> <li>• emergency response plan in local, national, and international level</li> <li>• sustainability and disaster management</li> </ul>	<p><b>Notes</b></p> <p>Students are to be encouraged. However, some participants and relevant agencies are asked to have a role in making materials and analysis of disasters.</p> <p><b>Data Requirements</b></p> <ul style="list-style-type: none"> <li>• availability of information for the development of the emergency response plan</li> <li>• Number of disaster-prone to prevent process disrupted</li> <li>• Early warning system in local</li> <li>• availability of disaster management</li> <li>• Budget allocated for natural disaster response</li> </ul>

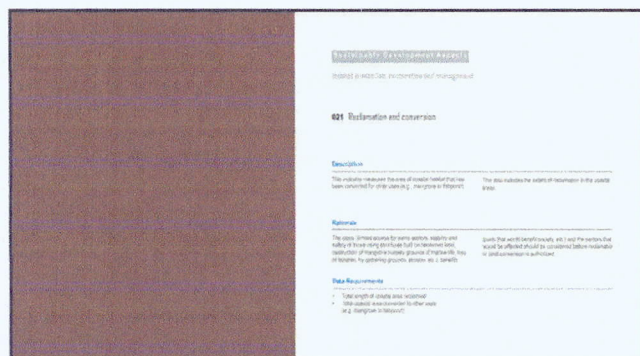
<p><u>Prevalence</u></p> <p>the proportion of a population that is affected by a disease at a particular point in time</p>	
<p>Incidence and Prevalence are both measured in (per 100,000 per year)</p>	
<p><b>09 Degree of vulnerability to disasters</b></p>	
<p><u>Definition</u></p> <p>The relative measures the degree of vulnerability are</p> <ul style="list-style-type: none"> <li>the different exposure to the hazard</li> <li>the different coping capacity</li> </ul>	<p><u>Definition</u></p> <p>the degree the degree of potential exposure to threat and potential hazards, the extent that populations are not vulnerable subject to potential and actual risk of</p> <p>the degree the degree of potential exposure to threat and potential hazards, the extent that populations are not vulnerable subject to potential and actual risk of</p>
<p><u>Factors</u></p> <p>the degree the degree of potential exposure to threat and potential hazards, the extent that populations are not vulnerable subject to potential and actual risk of</p>	<p><u>Factors</u></p> <p>the degree the degree of potential exposure to threat and potential hazards, the extent that populations are not vulnerable subject to potential and actual risk of</p>
<p><u>Key Requirements</u></p> <ul style="list-style-type: none"> <li>Availability in multiple disciplines, identify needs</li> <li>Identify</li> <li>Number of people involved in disaster response</li> </ul>	<p><u>Key Requirements</u></p> <ul style="list-style-type: none"> <li>Availability in multiple disciplines, identify needs</li> <li>Identify</li> <li>Number of people involved in disaster response</li> </ul>

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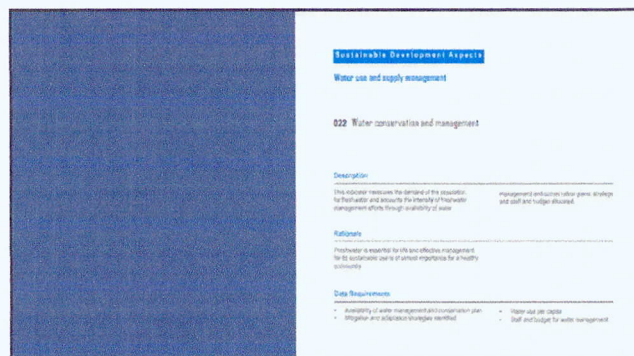
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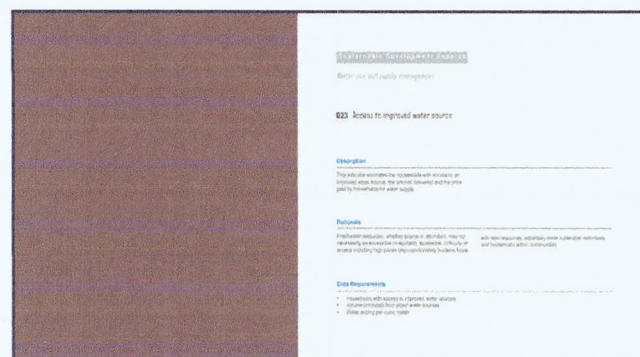




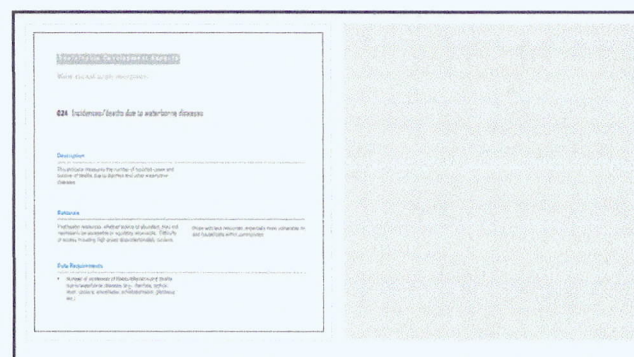
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**Indicator 30: Sustainable Fisheries**  
Food security and livelihood management

**825 Fishery management plan and implementation**

**Description**  
The indicator measures the extent to which management plans are in place and implemented, affecting through availability of fisheries management plans and their implementation.

**Rationale**  
Fish is a staple food of the world, and according to the FAO, the world's population is projected to reach 9.7 billion by 2050. Fisheries management is a strategy for ensuring the sustainability of fisheries and the livelihoods of the people who depend on them. It is a key element of food security and livelihood management.

**Data Requirements**  
- Fisheries management plan  
- Fisheries management plan implementation

33

**Indicator 30: Sustainable Fisheries**  
Food security and livelihood management

**826 Fisheries Production**

**Description**  
This indicator measures the extent to which fisheries production and management are in place and implemented, affecting through availability of fisheries management plans and their implementation.

**Rationale**  
Fish is a staple food of the world, and according to the FAO, the world's population is projected to reach 9.7 billion by 2050. Fisheries management is a strategy for ensuring the sustainability of fisheries and the livelihoods of the people who depend on them. It is a key element of food security and livelihood management.

**Data Requirements**  
- Fisheries management plan  
- Fisheries management plan implementation

34

**Indicator 30: Sustainable Fisheries**  
Food security and livelihood management

**827 Mountain rye**

**Description**  
The indicator measures the extent to which mountain rye is in place and implemented, affecting through availability of fisheries management plans and their implementation.

**Rationale**  
Mountain rye is a staple food of the world, and according to the FAO, the world's population is projected to reach 9.7 billion by 2050. Fisheries management is a strategy for ensuring the sustainability of fisheries and the livelihoods of the people who depend on them. It is a key element of food security and livelihood management.

**Data Requirements**  
- Mountain rye management plan  
- Mountain rye management plan implementation

35

**Indicator 30: Sustainable Fisheries**  
Food security and livelihood management

**828 Poverty reduction and employment**

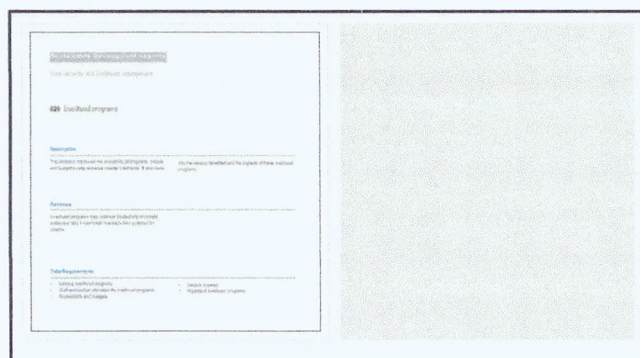
**Description**  
This indicator measures the extent to which poverty reduction and employment are in place and implemented, affecting through availability of fisheries management plans and their implementation.

**Rationale**  
Poverty reduction and employment are key elements of food security and livelihood management. It is a key element of food security and livelihood management.

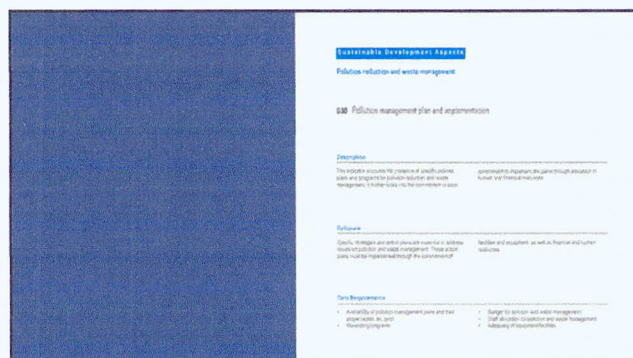
**Data Requirements**  
- Poverty reduction management plan  
- Poverty reduction management plan implementation

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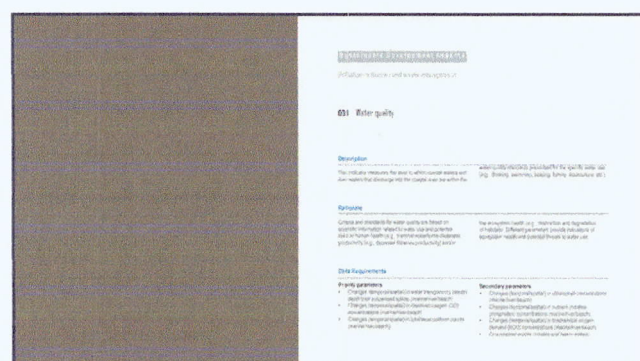
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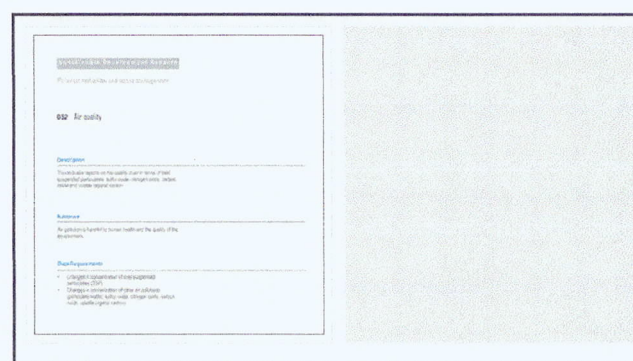
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**Waste Management and Environmental Protection**  
 Pollution related to waste management

**031 Domestic and domestic packaging**

**Description**  
 This indicator measures the quantity of domestic waste generated by households in the region.

**Indicator**  
 The indicator measures the quantity of domestic waste generated by households in the region, expressed in tonnes per inhabitant per year.

**Data Requirements**  
 - Quantity of domestic waste generated by households in the region, expressed in tonnes per inhabitant per year.  
 - Quantity of domestic waste generated by households in the region, expressed in tonnes per inhabitant per year.

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**Waste Management and Environmental Protection**  
 Pollution related to waste management

**032 Municipal solid waste**

**Description**  
 This indicator measures the quantity of municipal solid waste generated by households in the region.

**Indicator**  
 The indicator measures the quantity of municipal solid waste generated by households in the region, expressed in tonnes per inhabitant per year.

**Data Requirements**  
 - Quantity of municipal solid waste generated by households in the region, expressed in tonnes per inhabitant per year.  
 - Quantity of municipal solid waste generated by households in the region, expressed in tonnes per inhabitant per year.

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**Waste Management and Environmental Protection**  
 Pollution related to waste management

**033 Industrial, agricultural and hazardous waste**

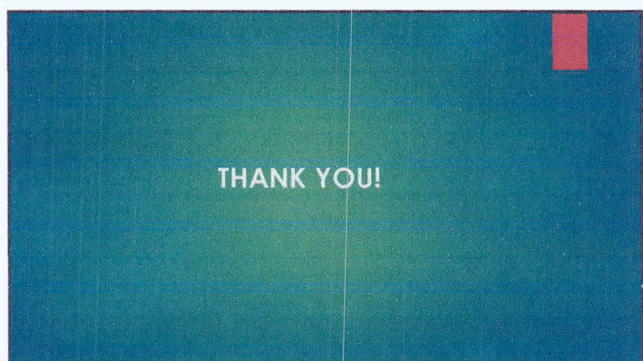
**Description**  
 This indicator measures the quantity of industrial, agricultural and hazardous waste generated by households in the region.

**Indicator**  
 The indicator measures the quantity of industrial, agricultural and hazardous waste generated by households in the region, expressed in tonnes per inhabitant per year.

**Data Requirements**  
 - Quantity of industrial, agricultural and hazardous waste generated by households in the region, expressed in tonnes per inhabitant per year.  
 - Quantity of industrial, agricultural and hazardous waste generated by households in the region, expressed in tonnes per inhabitant per year.

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