

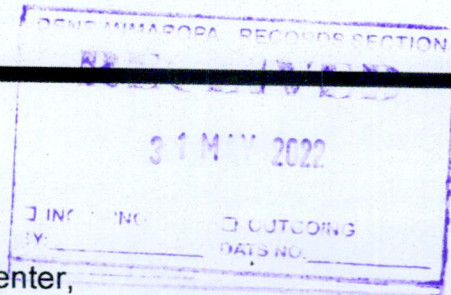
**MEMORANDUM**

FOR : The Regional Executive Director  
DENR Region 3  
Diosdado P. Macapagal Government Center,  
Maimpis, City of San Fernando, Pampanga

FROM : The OIC Director

SUBJECT : **REQUEST FOR THE NATIONAL MENTOR, MR. JOHN LEO  
HOLONGBAYAN, TO ASSIST IN THE "ROLL-OUT OF NIPAS  
MPA CAPACITY BUILDING FOR MIMAROPA ON JUNE 7-10  
(EXCLUSIVE OF TRAVEL TIME) IN PALAWAN**

DATE : MAY 23 2022



This is in reference to our previously emailed memo dated March 30, 2022 requesting support from the national and/ or cluster mentors for the blended-learning implementation of the NIPAS MPA Capacity Building Program (NIMCAP) for 2022 (*memo attached*).

Please be informed that DENR MIMAROPA Region scheduled a face-to face implementation of the said program on June 7-10, 2022 (exclusive of travel time) in Palawan. Attached for your reference is the email coordination of DENR MIMAROPA and the Draft Regional Special Order indicating the said activity.

In this regard, may we request **Mr. John Leo Holongbayan**, national mentor per DENR Special Order 2018-534, to provide assistance to BMB in facilitating the said rollout. Plane fare of Mr. Holongbayan will be facilitated by this office while food and accommodation shall be charged against the DENR MIMAROPA funds.

**Ms. Lea Avilla** of the Coastal and Marine Division will coordinate with you regarding the details and preparations for this event. You may also wish to contact her at Tel. No. 02 925 8948/ 0977 815 0193 or email: [lea.avilla@bmb.gov.ph](mailto:lea.avilla@bmb.gov.ph) for further inquiries.

For your information and consideration.

  
NATIVIDAD Y. BERNARDINO

cc: DENR MIMAROPA



UNITED NATIONS DECADE ON  
**ECOSYSTEM  
RESTORATION**  
2021-2030



Republic of the Philippines  
Department of Environment and Natural Resources  
BIODIVERSITY MANAGEMENT BUREAU



BMB202202123



MAR 30 2022

**MEMORANDUM**

**FOR :** The Regional Executive Director  
Regions 1,2,3,5,6,7,9,11,13 and NCR

**ATTN :** NIPAS MPA Pool of Mentors  
and Selected Cluster Mentors

**FROM :** The Assistant Director

**SUBJECT :** **REQUEST FOR SUPPORT FROM THE NATIONAL AND  
CLUSTER MENTOR FOR THE BLENDED-LEARNING  
IMPLEMENTATION OF THE NIPAS MPA CAPACITY BUILDING  
IMPLEMENTATION FOR 2022**

In connection with the DENR Special Order No. 2018-534 Establishing the NIPAS MPA marine Protected Areas (MPAs) Capacity Building Program's (NIMCAP) National Pool of Mentors and training Modules, the following National Mentors and DENR Personnel are hereby invited to attend the blended learning resource speakers/mentors and facilitators to the series of blended physical and virtual workshop related to the implementation of NIMCAP:

REGION	NAME
1	Augusto Bautista or Representative
2	Cherish June Holongbayan
3	John Leo Holongbayan
5	Ma. Rosa Vida Onrubia
6	Rachel Ann Dequilla
7	Vicente Rustico Calizar
9	Almario Kaabay

11	Ariel Pliego
13	Marife Macalisang
NCR	Justin de Ramos or representative
DENR-PPS	Ma. Leanna Manubag

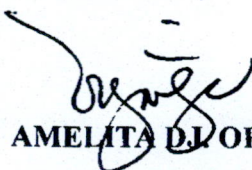
Below are the schedule of activities:

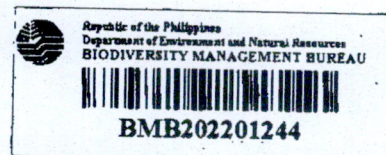
DATE	ACTIVITY	PARTICIPANTS
April 11-12, 2022	Year Starter Preparation Workshop	NIMCAP National Mentors NIMCAP Focal for Regions w/o National Mentors
Q1: April 13, 2022 Q2: June 13-15, 2022 Q3: August 4-5, 2022	Module Translation	NIMCAP national, Cluster and Regional Mentors 2022
December 7-9, 20202222	Year End Assessment and Strategic Planning Workshop	NIMCAP National and Regional Mentors
TBD (dependent to the schedule of the host regions)	Regional NIPAS MPA Capacity Building Implementation for 2022	NIMCAP National Mentors as Resource Speakers

Please be informed that BMB National Mentors will be facilitating and coordinating the request from the regions who will be conducting the NIMCAP activities. Further, in case of face to face setup trainings, BMB will be facilitating plane fare of the identified national mentor who will be assisting the requesting region.

For any clarifications, you may contact Mr. John Erick Avelino/ Ms. Lea Avilla at [johnerick.avelino@bmb.gov.ph](mailto:johnerick.avelino@bmb.gov.ph) / [lea.avilla@bmb.gov.ph](mailto:lea.avilla@bmb.gov.ph) or through 8925-8948.

For your information.

  
AMELITA D. ORTIZ





Republic of the Philippines  
Department of Environment and Natural Resources  
Visayas Avenue, Diliman, Quezon City  
Tel Nos. (632) 929-66-26 to 29 • (632) 929-62-52  
929-66-20 • 929-66-33 to 35  
929-70-41 to 43

**SPECIAL ORDER**  
No. 2018-534

JUN 21 2018

**SUBJECT: ESTABLISHING THE NIPAS MARINE PROTECTED AREA (MPA) CAPACITY BUILDING PROGRAM'S NATIONAL POOL OF MENTORS AND TRAINING MODULES**

In the interest of service and as part of institutionalizing the National Integrated Protected Areas System (NIPAS) Marine Protected Area (MPA) Management Capacity-Building Program of the DENR-BMB, in partnership with the United States Agency for International Development and U.S. National Oceanic and Atmospheric Administration, to improve the competencies of DENR staff in managing the NIPAS MPAs, the NIPAS MPA Capacity-Building Program's National Pool of Mentors and Training Modules are hereby established and the Training Modules are hereby adopted.

The National Pool of Mentors, who have gone through an open and standardized process of selection, upon the recommendation and support of their respective supervisors and home offices, and rigorous training since 2014, shall be permanently composed of the following:

Region	Name
1	Augusto E. Bautista
2	Cherish June G. Galamay
3	John Leo E. Holongbayan
5	Ma. Rosa Vida Onrubia
6	Rachel Ann M. Dequilla
7	Vicente Rustico M. Calizar
9	Almario M. Kaabay, Jr.
11	Ariel R. Pliego
13	Marife J. Macalisang
NCR	Rey M. Aguinaldo
BMB	Lea A. Avilla
BMB	John Erick A. Avelino
BMB	Ma. Leanna Manubag

The National Pool of Mentors shall provide technical assistance to NIPAS MPAs capacity-building activities and respond to requests for training assistance from the different Regional Offices and NIPAS MPAs. They may also assist in establishing regional pool of mentors to assist field offices in capacitating DENR staff and other partners and stakeholders in managing NIPAS MPAs, as may be requested by the DENR Regional Offices.

The Training Modules on Eight (8) Priority Topics of the NIPAS MPA Capacity Building Program, each consisting of (a) participant's hand-outs; (b) worksheets and (c) trainer's presentations and which shall be made available on both paper and electronic copies, are as follows:

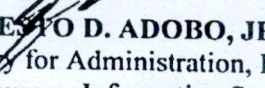
Module	Priority Topic
1	Fundamentals of MPA Management
2	Ocean Processes and Coastal and Marine Ecosystems
3	Sustainable Tourism
4	Climate Change Planning for Coastal and Marine Ecosystems
5	Coastal and Marine Spatial Planning
6	Marine Protected Area Network
7	Assessing Benefits and Threats
8	Damage Assessment, Response, Restoration and Monitoring of Natural Resources

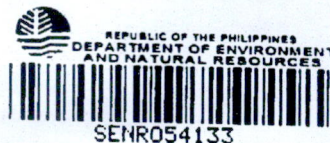
The BMB-CMD shall steer the NIPAS MPA Capacity-Building Program and coordinate any requests from the Regional Offices for training on any of the 7 priority topics for DENR Regional/Provincial and Community and/or NIPAS MPAs management staff as well as make available the Training Modules to the DENR Regional Offices and NIPAS MPAs. The BMB-CMD shall also be in charge of monitoring and evaluating the implementation of the NIPAS MPA Capacity-Building Program, including the progress and impacts of the implementation agreements from training workshops.

Expenses to be incurred in relation to the requested trainings/workshops including local transportation, food and accommodation of the concerned member of the National Pool of Mentors shall be chargeable against the funds of the requesting DENR office, or subject to the agreement with the respective office Mentor, may be charged against such office, subject to usual accounting and auditing rules and regulations

The BMB shall submit to the undersigned a consolidated annual report on the activity through the Human Resource Development Service fifteen (15) days after end of each year.

This Order shall take effect immediately and shall remain in force until revoked in writing.

  
ATTY. ERNESTO D. ADOBO, JR., CESO I  
Undersecretary for Administration, Finance,  
Human Resources, Information Systems,  
Legal, Legislative Affairs and Anti-Corruption



**[ADV. COPY] RSO Authorizing the conduct of "Roll-out of NIPAS MPA Capacity Building of MIMAROPA Region"**

4 messages

**CRFMS CDD** <crfmscddmimaropa@gmail.com>

Thu, May 19, 2022 at 10:57 AM

To: "R4B PENRO Occ. Mindoro" <penroocc.mindoro@denr.gov.ph>, R4B CENRO Sablayan <cenrosablayan@denr.gov.ph>, Alvin Sanico <aesanico@gmail.com>, Apo Reef Natural Park <aporeefnaturalpark@gmail.com>, R4B PENRO Palawan <penropalawan@denr.gov.ph>, PENRO CDS <penropalawanpawczms@gmail.com>, Rhodora Ubani <rhodora\_ubani@yahoo.com>, cenropuertoprincesa@denr.gov.ph, Tubbataha Reefs Natural Park <tmo@tubbatahareefs.org>, Tubbataha Reefs Natural Park <tubbataha88@gmail.com>, R4B CENRO Taytay <cenrotaytay@denr.gov.ph>, PASu EL NIDO PALAWAN <entmrpa@gmail.com>, mildred1974@yahoo.com.ph, PAMO - MSPLS <pamomspls@gmail.com>, Clarissa Pador <padorclarissa@gmail.com>, cenroquezon@denr.gov.ph, rasaislandwildlifesanctuary@gmail.com, PASu Carolyn Esmenda <cathyestrada30@gmail.com>, R4B CENRO BrookesPoint <cenrobrokepoint@denr.gov.ph>, Snake Island <simo.penropal@gmail.com>, Genesis Ustares <gzustares@gmail.com>  
Cc: Lea Avilla <lea.avilla@bmb.gov.ph>

**SUBJECT: RESCHEDULED "Roll-Out of NIPAS Marine Protected Area Capacity Building Program for MIMAROPA Region"**

Dear Sir/Ma'am,

Good day!

Please find attached the advance copy of Regional Special Order (RSO) "Authorizing the conduct of "Roll-Out of NIPAS MPA Capacity Building for MIMAROPA Region" on May 31 to June 3, 2022 in Palawan at a venue to be determined".

Please be informed that the aforementioned activity/capacity building will be rescheduled to June 7-10, 2022 (excluding travel time).

The said RSO is still for approval of our RED and will be amended for the rescheduled date.

For your information and consideration.

Thank you and best regards.

--  
**COASTAL RESOURCES AND FORESHORE MANAGEMENT SECTION**

Conservation and Development Division  
DENR MIMAROPA Regional Office  
crfmscddmimaropa@gmail.com

 **[DRAFT] RSO - NIMCAP June 7-10, 2022.pdf**  
9488K

Thu, May 19, 2022 at 11:00 AM

**R4B CENRO Quezon** <cenroquezon@denr.gov.ph>  
To: CRFMS CDD <crfmscddmimaropa@gmail.com>  
Cc: "R4B PENRO Occ. Mindoro" <penroocc.mindoro@denr.gov.ph>, R4B CENRO Sablayan <cenrosablayan@denr.gov.ph>, Alvin Sanico <aesanico@gmail.com>, Apo Reef Natural Park <aporeefnaturalpark@gmail.com>, R4B PENRO Palawan <penropalawan@denr.gov.ph>, PENRO CDS <penropalawanpawczms@gmail.com>, Rhodora Ubani <rhodora\_ubani@yahoo.com>, R4B CENRO Puerto Princesa <cenropuertoprincesa@denr.gov.ph>, Tubbataha Reefs Natural Park <tmo@tubbatahareefs.org>, Tubbataha Reefs Natural Park <tubbataha88@gmail.com>, R4B CENRO Taytay <cenrotaytay@denr.gov.ph>, PASu EL NIDO PALAWAN <entmrpa@gmail.com>, mildred suza <mildred1974@yahoo.com.ph>, PAMO - MSPLS <pamomspls@gmail.com>, Clarissa Pador <padorclarissa@gmail.com>, Protected Area Rasa Island Wildlife Sanctuary <rasaislandwildlifesanctuary@gmail.com>, PASu Carolyn Esmenda <cathyestrada30@gmail.com>, R4B CENRO BrookesPoint <cenrobrokepoint@denr.gov.ph>, Snake Island <simo.penropal@gmail.com>, Genesis Ustares <gzustares@gmail.com>, Lea Avilla <lea.avilla@bmb.gov.ph>

Acknowledged.



**REGIONAL SPECIAL ORDER**

No. \_\_\_\_\_

Series of 2022

**SUBJECT: AUTHORIZING THE CONDUCT OF "ROLL-OUT OF NIPAS MPA CAPACITY BUILDING FOR MIMAROPA REGION" ON JUNE 6-11, 2022 (INCLUDING TRAVEL TIME) AT SUNLIGHT HOTEL, PUERTO PRINCESA CITY, PALAWAN**

In the interest of the service and as part of institutionalizing the National Integrated Protected Areas System (NIPAS) Marine Protected Area (MPA) Management Capacity Building Program of the DENR-BMB, the conduct of "Roll-Out of NIPAS MPA Capacity Building for MIMAROPA Region" is hereby authorized on June 6-11, 2022 (including travel time) at Sunlight Hotel, Puerto Princesa City, Palawan.

The following officials and personnel shall attend the program:

NAME	POSITION/DESIGNATION
<b><i>Regional Office</i></b>	
1. Maria Melissa L. Endangan	- In-Charge, Office of the Conservation and Development Division
2. Ma. Cecilia G. Sawit	- Development Management Officer III
3. Engr. Ronie E. Alpajaro	- Engineer II
4. Fatima Grate	- Development Management Officer I
<b><i>PENRO Occidental Mindoro</i></b>	
5. Connie E. Pito	- Forester I
6. Vernadette C. Fulgencio	- Forest Technician II
<b><i>CENRO Sablayan</i></b>	
7. Alvin E. Sanico	- Forester III
8. Josie R. Corpuz	- ECOMS I
9. Joseph M. Mateo	- ECOMS I
10. Pedro A. Marmol	- ECOMS I
<b><i>ARNP-PAMO</i></b>	
11. Krystal Dayne T. Villanada	- Protected Area Superintendent
12. Anna Ritchelle D. Nicanor	- SCDO
13. Roberto P. Beringuela	- Park Maintenance Foreman

**PENRO Palawan**

14. Rhodora B. Ubani  
15. Demi Patricia A. Decena

- Supervising ECOMS
- CMEMP Extension Officer

**CENRO PPC**

16. Ma. Vivian Obligar-Soriano  
17. Jessie M. Escandilio

- Senior ECOMS
- Forester I

**Tubbataha Management Office**

18. TMO Staff  
19. TMO Staff

- 
- 

**CENRO Taytay**

20. Analiza R. Marasigan  
21. Timoteo B. Maganaye, Jr.  
22. Bienvenido F. Veguilla III

- ECOMS I
- Forest Technician I
- Forest Technician II

**ENTMRPA-PAMO**

23. Mildred A. Suza  
24. Jenuel P. Casel

- Protected Area Superintendent
- Assistant PASu

**MSPLS-PAMO**

25. Clarissa P. Pador  
26. Ricardo S. Tandoc

- Protected Area Superintendent
- Forest Ranger

**CENRO Quezon**

27. Michelle J. Sebido  
28. Arnold Peter Auriño

- ECOMS II
- ECOMS I

**RIWS-PAMO**

29. Ma. Teresa V. Ayson  
30. Nina Liza B. Navanes

- Protected Area Superintendent
- CMEMP Extension Officer

**CENRO Brooke's Point; UIGRBS PAMO**

31. Franklin M. Aquino  
32. Mary Chris A. Ibañez

- Protected Area Superintendent
- Forest Technician I

**Snake Island Management Office (SIMO)**

33. Genesis Z. Ustares  
34. Julius F. Landrito

- Marine Biologist
- Data Manager

**CENRO Roxas, Palawan**

35. Carolyn A. Esmenda

- Senior Ecosystems Management Specialist

**Resource Speakers**

36. Lormelyn E. Claudio, CESO IV - Regional Executive Director
37. Maximo C. Landrito - OIC, ARD for Technical Services
38. BMB Resource Speakers/ NIMCAP  
National Mentors (3)

**Secretariat**

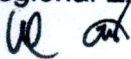
39. John Japheth F. Fabellon - Coastal Extension Officer
40. Regional HRDS Staff (1) -

Food, accommodation and other incidental expenses in connection with the conduct of this event shall be charged against Conservation and Development Division (CDD) funds. However, traveling expenses shall be charged against the respective office funds subject to its availability and the usual accounting and auditing rules and regulations.

Each participant shall submit an Individual Learning Report within seven (7) days after the completion of the learning event to the undersigned through email address: [hrdsdenrmimaropa@gmail.com](mailto:hrdsdenrmimaropa@gmail.com). The Conservation and Development Division (CDD) shall submit a report within fifteen (15) days after the completion of the learning event through channels.

This Order takes effect on the aforementioned dates.

**LORMELYN E. CLAUDIO, CESO IV**  
Regional Executive Director





**REGIONAL SPECIAL ORDER**

No. \_\_\_\_\_

Series of 2022

**SUBJECT: AUTHORIZING THE CONDUCT OF "ROLL-OUT OF NIPAS MPA CAPACITY BUILDING FOR MIMAROPA REGION" ON JUNE 6-11, 2022 (INCLUDING TRAVEL TIME) AT SUNLIGHT HOTEL, PUERTO PRINCESA CITY, PALAWAN**

In the interest of the service and as part of institutionalizing the National Integrated Protected Areas System (NIPAS) Marine Protected Area (MPA) Management Capacity Building Program of the DENR-BMB, the conduct of "Roll-Out of NIPAS MPA Capacity Building for MIMAROPA Region" is hereby authorized on June 6-11, 2022 (including travel time) at Sunlight Hotel, Puerto Princesa City, Palawan.

The following officials and personnel shall attend the program:

NAME	POSITION/DESIGNATION
<b>Regional Office</b>	
1. Maria Melissa L. Endangan	- In-Charge, Office of the Conservation and Development Division
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37. Maximo C. Landrito - OIC, ARD for Technical Services
38. BMB Resource Speakers/ NIMCAP  
National Mentors (3)

**Secretariat**

39. John Japheth F. Fabellon - Coastal Extension Officer
40. Regional HRDS Staff (1) -

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This Order takes effect on the aforementioned dates.

**LORMELYN E. CLAUDIO, CESO IV**  
Regional Executive Director



## DENR MIMAROPA Region

### Proposed Capacity Building Program: Training Workshop on NIPAS MPA Coastal and Marine Ecosystems Assessment

**Description:** A training workshop on enhancement of Coastal and Marine Ecosystems Management Program (CMEMP) Implementation, particularly on NIPAS MPA Capacity Building Program (NIMCAP) Regional Implementation and Coastal and Marine Ecosystems monitoring and assessment through the BAMS Technical Bulletins. Supplemental topics for the lecture component will include several topics from the National Modules No. 1 and 2 (*i.e. fundamentals of MPA Management and Marine Ecosystems and Ocean Process*) and BAMS Coastal for Seagrass Mangroves and Corals including Associated fish.

#### Target Venue:

Lecture - Puerto Princesa City, Palawan

Practicum - SI-NCMCR, PPC, Palawan

#### Target Dates:

Facilitation Training : May 30-31, 2022 (via Zoom)

NIMCAP Training with BAMS : June 6-11, 2022 (face to face)

#### Activity Program:

##### Training Proper

TIME ALLOTMENT	LECTURE / ACTIVITY	
<b>Day 0- (travel Time) June 6, 2022   Monday</b>		
8:00 AM – 5:00 PM	Travel time of Regional Participants	
<b>DAY 1 (Opening Activity; Lecture: Fundamentals )- June 7, 2022   Tuesday</b>		
8:00 AM – 8:30 AM 30 minutes	<b>PRELIMINARIES</b>  <b>Prayer</b>  <b>National Anthem</b>  <b>Opening Remarks</b> <i>OIC, Assistant Regional Director for Technical Services</i>  <b>Keynote Message</b> <i>Regional Executive Director</i>	<b>Region MIMAROPA</b> <b>host and secretariat</b>  <b>HOST - Ronie Alpajaro</b> <b>SECRETARIAT - Jet Fabellon</b>  <b>Opening Remarks and Keynotes Message are pre-recorded</b>

## Training Workshop on Coastal and Marine Ecosystems Assessment

<b>TIME ALLOTMENT</b>	<b>LECTURE / ACTIVITY</b>	
10 minutes	<ul style="list-style-type: none"> <li>• Overview of the Activity</li> <li>• Introduction of Participants</li> <li>• Training Structure</li> <li>• Groupings and Team Names</li> <li>• House Rules</li> </ul>	<b>Host Cluster Mentor</b>
	<b>Activity Proper</b>	
8:30 AM – 8:50 AM 20 minutes	<b>1.1 Introduction to Marine Protected Areas</b> <ul style="list-style-type: none"> <li>• Definition of MPAs</li> <li>• Purposes for and Objectives of MPAs</li> <li>• Differences and Similarities of Marine and Terrestrial Systems and Protected Areas</li> </ul> <b>Pop Quiz</b>	<b>Lea Avilla Presentation</b>
8:50 AM – 9:10 AM 20 minutes	<b>1.2. Review on the Marine Ecosystems</b> <ul style="list-style-type: none"> <li>• Overview of Several Marine Ecosystems and Habitats               <ul style="list-style-type: none"> <li>◦ Corals, seagrass, mangroves etc</li> </ul> </li> <li>• Differences and Similarities of Marine and Terrestrial Systems</li> <li>• Biodiversity &amp; Ecosystem Health</li> <li>• Reproductive Strategies and Life Stages</li> </ul> <b>Quiz/Kahoot:</b>	<b>Chiya</b>          <b>Regional Mentor</b>
9:10-9:40 AM 30 minutes	<b>Management Approaches</b> <ul style="list-style-type: none"> <li>• Ecosystem-based Management (EBM)</li> <li>• Coastal and Marine Spatial Planning (CMSP)</li> <li>• Integrated Coastal Management (ICM)</li> <li>• Stakeholder Co-Management approaches</li> </ul>	<u>John Erick Avelino</u> <b>(online recorded presentation)</b>

**DENR MIMAROPA Region**

**Training Workshop on Coastal and Marine Ecosystems Assessment**

<b>TIME ALLOTMENT</b>	<b>LECTURE / ACTIVITY</b>	
9:40-10:15 AM 35 minutes	<b>EXERCISE 1: Analysis and Application of Different Management Approaches</b> <ol style="list-style-type: none"> <li>1. With your team, review handout 1.6 to more fully understand the range of management approaches</li> <li>2. Using Worksheet 1.2 write down the approaches you think might be most suitable for your MPA.</li> </ol>	<b>Regional/ Cluster Mentor</b>  printed <b>handout 1.6</b> (not included in the manual )  and <b>worksheet 1.2</b> (5 group of 6)
10:15-10:45 AM 30 minutes	<b>Group Presentation (2 groups)</b>  <b>Ice breaker</b>	<b>Regional Mentor</b>  <b>Regional Mentor</b>
10:45-11:05 AM 20 minutes	<b>PRESENTATION 1.5: Mandates for NIPAS MPAs</b> Overview of a Management Planning Process <ul style="list-style-type: none"> <li>• Types of Plans</li> </ul>	<b>SPEAKER: Lea Avilla, National Mentor BMB</b>  <i>/ recorded presentation</i>
11:05-12:00 NN  40 minutes exercise  15 minutes presentation	<b>EXERCISE 2: Selecting and Ranking Target Resources</b> <b>Targets for Protection</b> <ol style="list-style-type: none"> <li>1. Draw a map of your MPA</li> <li>2. With your team, while referring to your maps, complete Worksheet 2.1 identifying targets (biological, physical, economic, cultural)</li> <li>3. Use ranking criteria to prioritize top target resources</li> </ol>	<b>Regional Mentor</b>  <b>-Flipchart / Manila Paper</b> <b>-Markers (colorful)</b> <b>-Worksheet 2.1</b>
12:00-1:00 PM	<b>Lunch Break</b>	
1:00-1:15 PM 15 minutes	<b>Energizer</b>	<b>Regional Mentor</b>

**DENR MIMAROPA Region****Training Workshop on Coastal and Marine Ecosystems Assessment**

<b>TIME ALLOTMENT</b>	<b>LECTURE / ACTIVITY</b>	
1:15-1:45 PM <i>20 minutes exercise</i> <i>10 minutes presentation</i>	<b>EXERCISE 3: Threat Diagrams</b> <ol style="list-style-type: none"><li>1. With your teams, work to identify root causes of threats and the associated user groups, remember to reference your maps and use the threat diagram model in Handout 2.3.</li><li>2. Think about the "5 Whys"</li><li>3. Diagram the threats on a flip chart</li></ol>	<b>Regional mentor</b>  <b>Handout 2.3 (included in the manual)</b> <b>Flipchart/Manila Paper</b> <b>Markers (Colorful)</b>
1:45-2:15 PM <i>20 minutes exercise</i> <i>10 minutes presentation</i>	<b>Exercise 4. Threat Prioritization</b> <ol style="list-style-type: none"><li>1. Work in your teams using Worksheet 2.3 to rank each threat and determine the highest priority threats to your target resources.</li></ol>	<b>Regional mentor</b>  <b>Worksheet 2.3 (included in the manual)</b>
2:15-2:35 PM <i>30 minutes</i>	<b>Developing Goals and Objectives and Management Strategies</b> <ul style="list-style-type: none"><li>• Differences between goals and objectives</li><li>• Importance of clearly articulated objectives</li><li>• Using objectives and indicators of management effectiveness</li></ul>	<b>Lea Avilla</b>  <b>Recorded/ presentation</b>
2:35-3:05 PM	<b>EXERCISE 5: Identifying Management Strategies and Actions</b> <ol style="list-style-type: none"><li>1. With your team, fill out the Management Strategies/Action Worksheet 2.5 from your completed Worksheet 2.4. Worksheet 2.5 will provide some guidance on the range of possibilities, based on different approaches to addressing impacts from human behavior.</li></ol>	<b>Regional mentor</b>  <b>Worksheet 2.4</b> <b>Worksheet 2.5</b>
3:05-3:20 PM	<b>Health Break / Energizer</b>	

**DENR MIMAROPA Region**
**Training Workshop on Coastal and Marine Ecosystems Assessment**

TIME ALLOTMENT	LECTURE / ACTIVITY	
3:20-4:00 PM	<b>EXERCISE 6: Management Planning Model</b> 1. Work with your team to see if each of the proposed strategies are addressing the stated problem (threat) and meeting the management objectives established for each target resource by working them through Poster 2.1	<b>Regional Mentor</b>  <b>Poster 2.1 (included in the manual - for printing)</b>
4:00-4:15 PM 15 Minutes	<b>Implementation Agreement</b>	<b>Cluster Mentor</b>
4:15 PM – 4:40 PM 20 Minutes	<b>Daily Evaluation and Debriefing</b>	<b>National, cluster and Regional cluster</b>
<b>DAY 2 (Lecture: MEOP) -June 8, 2022   Wednesday</b>		
8:00 AM – 8:10 AM 10 minutes	<b>Roll-Call of Participants</b> <b>House Rules</b>	<b>Day 2 Host/ Secretariat</b>
8:10 AM – 8:40 AM 30 minutes	<b>Recap of Day 1</b>	<b>Regional Mentor</b>
8:40-8:50 AM 10 minutes	<b>Energizer: Photo exercise: <u>What's in the picture</u></b> <b>ENERGIZER: <u>What's in the Picture</u></b>	<b>Regional Mentor</b>  <b>PPT Presentation</b>
8:50-9:30 AM 40 minutes	<b>Oceanographic Processes</b> <ul style="list-style-type: none"> <li>• Ocean Motion               <ul style="list-style-type: none"> <li>- Characteristics of Waves and Surf</li> <li>- Tidal Motion</li> <li>- Ocean Circulation</li> <li>- Transport Mechanics</li> <li>- Chemicals and physical properties of the ocean</li> </ul> </li> </ul>	<b>Leo Holongbayan</b>
9:30-10:10 AM 30 minutes <i>break out</i>  10 minutes <i>presentation</i>	<b>Group Exercise 1:</b> <b>It's All in the Data</b> <ul style="list-style-type: none"> <li>• Using <b>Flipchart</b> and <b>sticky notes</b>, teams will review a graphical depiction of some of the chemical and physical properties.</li> <li>• Teams will then indicate the patterns they expect various properties to have on a schematic of the coastal/open ocean area.</li> </ul>	<b>Regional mentor</b>  <b>Flip chart/Poster and sticky notes</b>  <b>For 5 groups</b>

**DENR MIMAROPA Region**

**Training Workshop on Coastal and Marine Ecosystems Assessment**

TIME ALLOTMENT	LECTURE / ACTIVITY	
	<ul style="list-style-type: none"> <li>• Properties include suspended solids, nutrients, dissolved oxygen, temperature, amount of sunlight, pressure, and chlorophyll, salinity.</li> <li>• Finally, teams will consider how these various parameters may affect organisms.</li> <li>• Teams then present to the entire group.</li> </ul> <p><i>Objective: Review of data to better understand the basic chemical and physical properties of the marine environment.</i></p>	
<p>10:10-10:30 AM 20 minutes</p>	<p><b>Issues Affecting Watershed Function and Coastal and Marine Ecosystem Health</b></p> <ul style="list-style-type: none"> <li>• Potential pollutants</li> <li>• Land use activities</li> <li>• Climate change</li> <li>• Cumulative Effects</li> </ul>	<p><b>John Leo Holongbayan/</b></p> <p><b>recorded presentation</b></p>
<p>10:30-11:15 AM 30 minutes</p> <p>15 minutes presentation</p>	<p><b>Exercise 2:</b> Using Maps and Aerial Photographs (Google Earth)</p> <ul style="list-style-type: none"> <li>• Using <b>Printed Maps</b> as a collaborative medium for participants, teams will analyze topographical maps of the watershed to identify as many features as possible.</li> <li>• With the use of sticky notes and icons, participants will identify the habitat types and development types in the watershed.</li> <li>• Teams then present to the entire group.</li> </ul> <p>Objective: Introduce the different types of land cover in the watershed and determine how to identify land cover, land use activities and other</p>	<p><b>Regional Mentor</b></p> <p><b>Printed Google Maps of respective PAs</b></p>

**DENR MIMAROPA Region**

**Training Workshop on Coastal and Marine Ecosystems Assessment**

TIME ALLOTMENT	LECTURE / ACTIVITY	
	features on aerial and topographic maps.	
11:15-11:35 AM 20 minutes	<b>Marine Inverts and Linkages to You and Your Community</b> <ul style="list-style-type: none"> <li>Seagrass, Corals, and Mangrove Communities <ul style="list-style-type: none"> <li>Who Lives There and Why?</li> <li>Benefits to the People</li> </ul> </li> </ul>	Lea Avilla
11:35-12:00 NN 35 minutes	<b>Exercise: Constructing a Food Web – Understanding the Linkages--using</b>  <i>Objective: Understanding the marine organism and their role in the food web.</i>	Regional Mentor  Flip chart (Manila Paper, Markers)
12:00 PM – 1:00 PM 1 hour	<b>Lunch Break</b>	
1:00-1:10 PM 10 minutes	<b>Energizer/ Exercise</b> <b>Kahoot Link:</b> <b>Eafcf3-4d61-b598-42152836de69</b> <a href="https://create.kahoot.it/collection/a99fcfc1-">https://create.kahoot.it/collection/a99fcfc1-</a>	Regional Mentor
1:10-1:50 PM 40 minutes	<b>Biology of Marine Fish</b> <i>Objective: To understand the relationship between form and movement and its relation to feeding and adaptations</i> <ul style="list-style-type: none"> <li>Fish Form and Movement <ul style="list-style-type: none"> <li>General Body Shapes</li> <li>Fin Structures</li> </ul> </li> </ul>	Chiya Holongbayan
1:50-2:20 PM 20 minutes	<b>Energizer : Fish Jeopardy mini games (Plenary):</b>  <u>Fish Jeopardy Virtual Exercise MEOP.pptx</u>	Regional mentor PPT presentation
2:20-3:00 PM 30 minutes	<b>Exercise 3: Mural Life cycle and Favorite Fish Activity</b>	Regional mentor  Poster/ Sticky notes

**DENR MIMAROPA Region**

**Training Workshop on Coastal and Marine Ecosystems Assessment**

<b>TIME ALLOTMENT</b>	<b>LECTURE / ACTIVITY</b>	
10 minutes presentation	<i>Objective: To understand fish life cycle and the role of the different coastal and marine habitat.</i>	
3:00-3:30 PM 30 minutes	<b>Marine Reserves and Spill-over</b> <ul style="list-style-type: none"> <li>• What is spillover?</li> <li>• How marine reserves affect populations</li> <li>• Targets Resources and Threats: Beginning the monitoring for your MPA</li> </ul> <i>Objective: To understand how marine reserves contribute to sustainable fisheries.</i>	Chiya  <b>recorded presentation</b>
3:30-4:15 PM 30 minutes  15 minutes presentation	<b>Exercise 4: Benefits of Marine Protected Areas</b> Reserves and Biological Factors <ul style="list-style-type: none"> <li>• Difference that MPA will provide to the the life cycle of the fishes and other benefit</li> </ul>	Regional Mentor  <b>worksheet</b>
4:15-4:35 PM 20 minutes	<b>Overview of MPA Network Establishment and Strengthening Component under CMEMP</b> <ul style="list-style-type: none"> <li>• Open Forum</li> </ul>	Criselda Castor (online/recorded video)
4:35-4:45 PM 10 minutes	<b>POP Quiz</b>	
4:45-5:00 PM 15 Minutes	<b>Implementation Agreement</b>	Cluster Mentor
4:00 PM – 4:20 PM 20 Minutes	<b>Daily Evaluation and Debriefing</b>	National, cluster and Regional cluster
<b>DAY 3 (COASTAL BAMS Lecture) - June 9, 2022   Thursday</b>		
8:00 AM – 8:10 AM 10 minutes	<b>Roll-Call of Participants House Rules</b>	Day 2 Host/ Secretariat
8:10 AM – 8:30 AM 20 minutes	<b>Recap of Day 1</b>	Regional Mentor  Group Members

**DENR MIMAROPA Region**

**Training Workshop on Coastal and Marine Ecosystems Assessment**

<b>TIME ALLOTMENT</b>	<b>LECTURE / ACTIVITY</b>	
8:20 – 8:40 AM 20 minutes	<b>Overview of Coastal and Marine Ecosystems Assessment</b> <ul style="list-style-type: none"> <li>• Rationale</li> <li>• Objectives of the Assessments</li> <li>• Relevance to the Management Approach                             <ul style="list-style-type: none"> <li>- Ecosystem-Based Management</li> </ul> </li> </ul>	<b>Lea</b>
8:40 – 10:10 AM 1 hour and 30 minutes	<b>Coastal and Marine Ecosystems Assessment</b> <b>Coral Reef Monitoring and Reef Fish Visual Census</b> <ul style="list-style-type: none"> <li>• Guidelines and Methodologies for Implementation  <i>(Reorientation of the Technical Bulletin 2017-05 and Technical Bulletin 2019-04)</i>  <i>For corals:</i> <ul style="list-style-type: none"> <li>- Hard Coral Cover (HCC)</li> <li>- Coral Generic Diversity</li> </ul> <i>For reef fish community</i> <ul style="list-style-type: none"> <li>- Fish Visual Census (FVC)</li> <li>- Reef Fish Identification</li> </ul> </li> <li>• Open Forum and Consultation</li> </ul>	<b>Sia (online) lecture via zoom</b>
10:10-10:30 AM 20 minutes	<b>Exercise 1: Case Study on site selection</b>  <i>Objective: To understand how to identify monitoring stations base on presence of true reefs, evaluate number of stations per stratum and replicates.</i>	<b>Lea Avilla</b>  <b>PENRO Palawan/ Ms. Carol Esmenda</b>
10:30 AM – 12:00 PM 1 hour and 30 minutes	<b>Coastal and Marine Ecosystems Assessment</b> <b>Seagrass Monitoring</b> <ul style="list-style-type: none"> <li>• Guidelines and Methodologies for Implementation  <i>(Reorientation of the Technical Bulletin 2017-05 and Technical Bulletin 2019-04)</i></li> <li>• Seagrass Species Identification</li> <li>• Open Forum and Consultation</li> </ul>	<b>Michael Cornito BMB-CMD</b>  <b>and Cherish Galamay</b>

**DENR MIMAROPA Region**

**Training Workshop on Coastal and Marine Ecosystems Assessment**

TIME ALLOTMENT	LECTURE / ACTIVITY	
12:00-1:00 PM	<b>Lunch Break/ Check out rooms</b>	
1:00 PM – 1:30 PM 30 minutes	<b>Exercise 2: Sea grass familiarization</b>  <i>Objective: To understand how marine reserves contribute to sustainable fisheries.</i>	<b>Michael Cornito BMB-CMD</b>
1:30-2:30 PM 1 hour	<b>Coastal and Marine Ecosystems Assessment</b> <b>Mangrove Assessment</b> <ul style="list-style-type: none"> <li>Guidelines and Methodologies for Implementation <i>(Reorientation of the Technical Bulletin 2017-05 and Technical Bulletin 2019-04)</i></li> <li>Mangrove Species Identification</li> <li>Open Forum and Consultation</li> </ul>	<b>Charles Louie Evangelista (online)</b>  <b>with PENRO Palawan (CENRO Taytay)</b>
2:30-3:00 PM	<b>Exercise 3: Mangrove Identification</b>  <i>Objective: To understand how marine reserves contribute to sustainable fisheries</i>	<b>Charles Evangelista</b>
3:00-4:00 PM 1 hour	<b>Travel to Snake Island</b>	
4:00 PM – 4:45 PM 45 minutes	<b>Reporting for the Coastal and Marine Ecosystems Assessment</b> <ul style="list-style-type: none"> <li>Standardized template for reporting <ul style="list-style-type: none"> <li>Matrix for reporting of data / results</li> </ul> </li> <li>Open Forum and Consultation</li> </ul>	<b>Lea Avilla</b>
4:45 PM – 5:30 PM 45 minutes	<b>Orientation for the Practicum (to be conducted on Day 3)</b> <ul style="list-style-type: none"> <li>Overview of the Practicum activity</li> <li>Groupings and announcements</li> </ul>	<b>CDD MIMAROPA</b>
	<b>Implementation Agreement</b>	<b>Cluster Mentor</b>

**DENR MIMAROPA Region****Training Workshop on Coastal and Marine Ecosystems Assessment**

TIME ALLOTMENT	LECTURE / ACTIVITY	
	Daily Evaluation and Debriefing	National, cluster and Regional cluster
<b>DAY 4 (BAMS Practicum and Processing) June 10, 2022   Friday</b>		
6:00 AM – 7:00 AM 1 hour	Breakfast	
7:00 AM – 9:00 AM 2 hours	Practicum Proper <i>Mangrove Assessment</i> <i>Seagrass Monitoring</i> <i>Coral Reef Monitoring</i>	
10:00-12:00 NN 2 hours	Data Analysis and Presentation of Data	
12:00 PM – 1:00 PM 1 hour	Lunch Break	
1:00-2:00 PM 1 hour	Data Analysis and Presentation of Data (cont.)	
2:00-2:30 PM 30 minutes	Awarding of Certificate of Participation to Participants Photo Documentation	
2:30-3:30 PM 1 hour	Jeopardy Games/ Final Quiz	PPT presentation
3:30 PM - 4:00 PM 30 minutes	Closing Ceremony (SI-NCMCR/PENRO)  Impression Participants  Closing Remarks Chief, Coastal Resources and Foreshore Management Section	Region MIMAROPA Host & Secretariat
4:00-5:00 PM 1 hour	Travel Back to Mainland	
<b>DAY 5 (Travel Back) June 11, 2022   Saturday</b>		
8:00 AM – 5:00 PM	Travel Back to Respective Stations	