

Republic of the Philippines
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
OFFICE OF THE PENRO
Mamburao, Occidental Mindoro

February 28, 2023

TRAVEL ORDER

No.: 8-248j

Name: CLINTH JEZTER G. DELA CRUZ

Salary (PhP): _____

Position: Community and
Stakeholder Coordinator

Div/Sec/Unit: MBC-PMU

Official Station: PENRO Occ. Mindoro

Departure Date: March 5, 2023

Arrival: March 17, 2023

Destination: Butuan City (Mar 5 to 12) and Davao City (Mar 13 to 17)

Purpose of Travel: to attend the Orientation Training on Biodiversity Monitoring
and Information Systems for PAs and OECMs

Per Diems/Expenses Allowed: Reasonable expenses as indicated in the contract

Appropriations to which travel should be charged: BD Corridor Project

Remarks or Special Instructions: Submit report upon completion of travel

CERTIFICATION:

This is to certify that the travel is necessary and is connected with the functions of the official/employee of the Div/Sec/Unit.

Recommending Approval :

Approved:

ERNESTO E. TAÑADA

OIC, PENR Officer

LORMELYN E. CLAUDIO, CESO IV

Regional Executive Director

AUTHORIZATION:

I hereby authorize the Accountant to deduct the corresponding amount of the unliquidated cash advance from my succeeding salary for my failure to liquidate this travel within the prescribed thirty-day period upon return to my permanent official station pursuant to item 5.1.3 Circular 97-002 dated February 10, 1997 and Sec. 16 EO no.248 dated May 29, 1995.

CLINTH JEZTER G. DELA CRUZ

Official/Employee



Republic of the Philippines
Department of Environment and Natural Resources
BIODIVERSITY MANAGEMENT BUREAU
Ninoy Aquino Parks and Wildlife Center, Quezon Avenue, Diliman, 1100 Quezon City
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Website: <https://bmb.gov.ph> | E-mail Address: bmb@bmb.gov.ph

MEMORANDUM

TO : The Regional Executive Directors
DENR Regions MIMAROPA, 11 and CARAGA

FROM : The Director, BMB and in concurrent capacity as Assistant
Secretary for Policy, Planning and Special Projects

SUBJECT : **Orientation-Training on Biodiversity Monitoring Tools and
Information Systems for Protected Areas**

DATE :

This refers to the implementation of the Project on Integrated Approach in Management of Major Biodiversity Corridors in the Philippines or BD Corridor Project which is funded by the Global Environment Facility (GEF) with the Department of Environment and Natural Resources (DENR) as the lead executing agency and the United Nations Development Programme (UNDP) as GEF Implementing Agency.

One of the target outputs of the project is the enhancement of existing monitoring tools for biodiversity assessment and establishment of an online repository for the important data for planning and future reference.

In line with this, the BD Corridor Project in coordination with BMB and USAID-SIBOL is organizing an orientation training on Biodiversity Monitoring and Information System for PA and OECM this coming March 5-17, 2023 (inclusive of travel time) in Butuan City (venue TBD).

The orientation training will be a two (2) part activity. The first part will be on the Enhanced Biodiversity Assessment and Monitoring System (eBAMS) and Enhanced Socio-economic Assessment and Monitoring System (eSEAMS) on March 6-11, 2023; while the second part will be on Protected Area Information System (PAIS) and Caves and Wetlands Information System (CWIS) on March 13-16, 2023.



**BIODIVERSITY
CORRIDOR**



In connection with this, may we request the participations of the following representatives from the Eastern Mindanao Biodiversity Corridor (EMBC) and Mindoro Biodiversity Corridor (MBC) to the said orientation training, namely:

1. Protected Area Superintendent (PASu) or Assistant PASus
2. PA Technical Staff (preferably with GIS/MIS knowledge)
3. Representative from CDD
4. Regional ICT Staff

The participants are required to bring with them laptops and relevant documents like e-copies BAMS, SEAMS, PA Census and other monitoring reports to the said training.

Meals and accommodations during the training shall be charged to the BD Corridor Project and subject to the usual accounting and auditing rules and regulations. Transportation, which include flights and ground transportation to and from the venue, shall be charged to the participants' respective offices.

Attendance at the abovementioned event, including Saturdays, Sundays, and Holidays shall be considered an official time. Regular and Contract of Service employees attending the activity who will incur official time in excess of 22 days for this month, shall be entitled to equivalent offsetting privilege to be used within 6 months, in accordance with the schedule as agreed upon with their supervisor.

Should you have questions or clarifications, please contact the National Project Management Unit (NPMU) through Ariel Erasga with email address bdcorr.nrm@gmail.com, alerasga@yahoo.com and Romina Lim with email address bdcor.rtsl@gmail.com.

For your favorable action on the matter.

MARCIAL C. AMARO, JR.



BIODIVERSITY CORRIDOR



Integrated Approach in Management of Major Biodiversity Corridors in the Philippines

ACTIVITY DESIGN

TITLE : **Orientation Training on Biodiversity Monitoring and Information Systems for PAs and OECMs**

DATE : March 06 - 16, 2023

VENUE : Face to Face, Butuan City

I. Introduction and Rationale

The Department of Environment and Natural Resources (DENR), with funding from the Global Environment facility (GEF) and support from the United Nations Development Program (UNDP), is implementing the project entitled **"Integrated Approach in Management of Major Biodiversity Corridors in the Philippines"** or **BD Corridor**. The Project aims to operationalize integrated management of biodiversity corridors to generate multiple benefits including effective conservation of globally threatened species and high conservation value forests, reduce deforestation and degradation and enhance local biodiversity-friendly livelihoods. It is aimed at addressing the increased degradation of habitats from deforestation and conversion to agriculture and expanding infrastructure development, pollution, invasive alien species (IAS) and climate change which are threatening critical habitats and ecosystems and their attendant biodiversity. This Project has four components, namely:

- Component 1: Effective coordination and governance framework for integrated ecosystem management in the Philippines biodiversity corridors system;
- Component 2: Application of integrated network design and management of biodiversity corridors to ensure continued stability and sustainability of their biological, ecosystem services and socio-economic conservation values;
- Component 3: Community-based sustainable use and management systems in the two pilot biodiversity corridor systems in the Philippines; and
- Component 4: Knowledge management, gender mainstreaming, learning, monitoring and evaluation.

One of the goals of the BD Corridor Project is to assist in the automation of biodiversity monitoring systems for biodiversity and threat assessment in protected areas and other Effective Area-based Conservation Measures (OECMs) (Indicator 6). Another goal is to develop an automated information management system to monitor biodiversity threats (Indicator 14).

The orientation training will be conducted in two (2) parts. The first part, (6-11 March 2023), will cover the topics on the enhanced eBAMS and eSEAMS which aims to test its applicability within the coverage of the BD Corridor Project. This will also provide managing baseline information and strategic actions for planning for the biodiversity assessment and monitoring activities.

The second part, (13-16 March 2023), will focus on the Protected Area Information System (PAIS) and the Caves and Wetlands Information System (CWIS) and will be tested in real time with simultaneous user online access.

II. Objectives

1. Orient and train participants on the features and use of eBAMS, eSEAMS, PAIS and CWIS;
2. Determine unforeseen issues, requirements and challenges that need to be addressed in the application of the Systems;
3. Gather feedback and suggestions from the participants on the further improvement of the Systems; and
4. Level-off with the participants particularly the DENR-KISS representatives, Regional CDD and ICT Focal persons on their role in the implementation and monitoring of the Systems.

III. Expected Outputs

The orientation training will have the following expected outputs:

1. Understanding and appreciation on the application of the eBAMS and eSEAMS in monitoring biodiversity within PAs and in BD Corridor sites;
2. Appreciation on the functionality of PAIS and CWIS in populating and updating relevant information on PAs, caves and wetlands in a centralized online database;
3. Recommendations on how to further improve the Systems; and
4. Training Report.

IV. Methodology

The orientation training will be conducted in a face to face format through lectures and hands-on activities to familiarize the participants with the monitoring tools and information systems. Participants will be required to have an internet-capable computer/laptop and/or tablet which will be used during the hands-on exercises and field testings. For the PAIS and CWIS, participants will be required to bring with them relevant documents on PA, Caves and Wetlands (e.g. inventory and assessment forms) which they will encode/upload in the systems. It is also required to have a stable internet connection for the duration of the orientation training.

V. Participants

<i>Participants</i>	<i>No.</i>
1. DENR KISS	2
2. DENR FASPS	2
3. DENR Regional Offices (4B, 11 and 13) <ul style="list-style-type: none">• Regional ICT personnel• Conservation and Development Division	6
4. Protected Area Management Offices <ul style="list-style-type: none">• Protected Area Superintendent (PASu) or Assistant Protected Area Superintendent (APASu)• Protected Area Staff	26
5. National Parks Division	2
6. Caves, Wetlands, and other Ecosystems Division	2
7. Wildlife Resources Division	2
8. Biodiversity Policy and Knowledge Management Division	6
9. NPMU Staff	4
10. MBC CPMU Staff	2
11. EMBC CPMU Staff	2
TOTAL	56

VI. Resource Speakers

1. Darwin R. Tejerero
2. Ma. Sarah Jane C. Tagtag
3. Michelle G. Aplan
4. James Foronda II
5. CAWED representative/s (2)
6. USAID SIBOL

VII. Provisional Program of Activities

Part 1 E-BAMS and E-SEAMS

Day/Time	Topic	Remarks
Day 1 (March 6, Monday)		
8:00 - 8:30	Registration	
8:30 - 9:00	Opening Ceremony <ul style="list-style-type: none"> - Welcome Remarks - Brief Message - Photo Opportunity 	Fidel A. Evasco RED, DENR R11 USAID SIBOL
9:00 - 9:15	Introduction of Participants	
9:15 - 9:30	Rationale of the Activity and Expectation Setting	
SESSION 1	Navigating the eBAMS	
9:30 - 12:00	Live walkthrough and practicum of the e-form modules <ul style="list-style-type: none"> • Preliminary Information 	
12:00 - 1:00	Lunch Break	
1:00 - 5:30	Live walkthrough and practicum of the e-form modules	
5:30 - 6:00	Day 1 Wrap up	
Day 2 (March 7, Tuesday)		
8:00 - 8:30	Recap of Day 1	
8:30 - 12:00	Live walkthrough and practicum of the e-form modules	
12:00 - 1:00	Lunch Break	
1:00 - 5:30	Live walkthrough and practicum of the e-form modules	
5:30 - 6:00	Day 2 Wrap up	
Day 3 (March 8, Wednesday)		
SESSION 2	Navigating the eSEAMS	
8:00 - 8:30	Rationale of the Activity and Expectation Setting	
8:30 - 12:00	Live walkthrough and practicum of the e-form modules	
12:00 - 1:00	Lunch Break	
1:00 - 5:30	Live Walkthrough and practicum of e-forms modules	
Day 4 (March 9, Thursday)		
8:00 - 8:30	Recap of Day 4	
8:30 - 12:00	Live Walkthrough and practicum of e-forms modules	
12:00 - 1:00	Lunch Break	
1:00 - 5:30	Live Walkthrough and practicum of e-forms modules	
Day 5 (March 10, Friday)		
8:00 - 8:30	Recap of Day 4	
8:30 - 12:00	Live Walkthrough and practicum of e-forms modules	
12:00 - 1:00	Lunch Break	
1:00 - 4:30	Live Walkthrough and practicum of e-forms modules	
4:30	Closing Remark	



Orientation Training on Biodiversity Monitoring and Information Systems for PAs and OECMs

Butuan City (March 6 – 11) | Davao City (March 13 – 16)

PROVISIONAL PROGRAM

E-BAMS and E-SEAMS

Venue: Balanghai Hotel and Convention Center, Butuan City

Dates: March 6 – 11, 2023

Day/Time	Topic	Remarks
Day 1 (March 6, Monday)		
8:00 – 8:30	Registration	
8:30 – 9:00	Opening Ceremony	Nonito M. Tamayo RED, DENR R13 Nicholas McCulture Interim Chief of Party USAID SIBOL
9:00 – 9:15	Introduction of Participants	NPMU
9:15 – 9:30	Rationale of the Activity and Expectation Setting	NPMU
SESSION 1		
9:30 – 12:00	Revisiting BAMS and SEAMS	
	<ul style="list-style-type: none"> • DAO/TB on BAMS and SEAMS 	NPD
	<ul style="list-style-type: none"> • Salient features/points 	
	<ul style="list-style-type: none"> • Objectives and purpose 	
	<ul style="list-style-type: none"> • Current status of implementation and usefulness of the systems 	PAMO
	<ul style="list-style-type: none"> • Local context, reflections and lessons learned on the implementation of the system, its relevance to work (planning and decision making) 	
12:00 – 1:00	Lunch Break	
1:00 – 5:00	Transitioning from paper to digital/automated format	USAID-SIBOL
	<ul style="list-style-type: none"> • Defining the conservation areas 	
	<ul style="list-style-type: none"> • Demonstrate the difference between paper-based and automated format (walkthrough) 	
	<ul style="list-style-type: none"> • Preparing and installing the system 	
	<ul style="list-style-type: none"> • Defining the roles of enumerators 	
Day 2 (Mar 7, Tuesday)		
SESSION 2		
8:30 – 10:30	Background on E-SEAMS	USAID-SIBOL
10:30 – 12:00	Live walkthrough and practicum of the e-form modules <ul style="list-style-type: none"> • Preliminary Information 	

Day/Time	Topic	Remarks
	<ul style="list-style-type: none"> Demographics 	
12:00 - 1:00	Lunch Break	
1:00 - 5:30	Live walkthrough and practicum of the e-form modules <ul style="list-style-type: none"> Household Income Entrepreneurial Income from Agriculture Entrepreneurial Income from Livestock and Poultry 	
5:30 - 6:00	Day 1 Wrap up	
Day 3 (March 8, Wednesday)		
8:00 - 8:30	Recap of Day 1	NPMU
8:30 - 12:00	Live walkthrough and practicum of the e-form modules <ul style="list-style-type: none"> Entrepreneurial Income from Fisheries-Capture 	USAID-SIBOL
12:00 - 1:00	Lunch Break	
1:00 - 5:30	Live walkthrough and practicum of the e-form modules <ul style="list-style-type: none"> Environmental Quality Natural Hazards Housing, Sanitation and Health Institutional Knowledge PA Perception and Knowledge Enforcement 	
Day 4 (March 9, Thursday)		
SESSION 3	Navigating the E-BAMS e-form	
8:00 - 8:30	Rationale of the Activity and Expectation Setting	NPMU
8:30 - 12:00	The "A" in BAMS Live walkthrough and practicum of the e-form modules <ul style="list-style-type: none"> Flora Assessment <ul style="list-style-type: none"> Ecosystem Level Assessment Upper Canopy Assessment Understory Assessment Ground Cover Diversity Assessment Permanent Monitoring Plot 	USAID-SIBOL
12:00 - 1:00	Lunch Break	
1:00 - 5:00	Live walkthrough and practicum of the e-form modules <ul style="list-style-type: none"> Fauna Assessment <ul style="list-style-type: none"> Birds Herps Mammals 	
Day 5 (March 10, Friday)		
8:00 - 8:30	Recap of Day 4	NPMU
8:30 - 12:00	The "M" in BAMS Live Walkthrough and practicum of e-forms modules <ul style="list-style-type: none"> Fauna Monitoring Fauna Monitoring 	USAID-SIBOL
12:00 - 1:00	Lunch Break	
1:00 - 4:00	Hands-on demonstration (indoors only)	
4:00 - 4:30	Preparations for fieldtrip	
4:30 - 4:45	Closing Remark	
Day 6 (March 11, Saturday): Field Trip (PA to be identified)		
6:00	Departure	CPMU
12:00 - 1:00	Lunch Break	
5:00	Return to Hotel	
Day 7 (March 12, Sunday): REST DAY		

PAIS and CWIS

Venue: The Ritz Hotel at Garden Oases, Davao City

Dates: March 13 – 16, 2023

Day/Time	Topic	Remarks
Day 8 (March 13, Monday)		
8:00 – 8:30	Registration	
8:30 – 9:00	Opening Ceremony	
9:00 – 9:15	Introduction of Participants	
9:15 – 9:30	Rationale of the Activity and Expectation Setting	
SESSION 1	Protected Area Information System (PAIS)	
9:30 – 10:00	Overview of the Protected Area Information System <ul style="list-style-type: none"> • What is PAIS • How PAIS works • Roles of Data Managers and Administrators • Roles and Responsibilities of Users 	Mr. Darwin Tejerero, BPKMD
10:00 – 12:00	Presentation of PAIS Menu	
12:00 – 1:00	Lunch Break	
1:00 – 4:00	Continuation of Presentation of PAIS Menu	
4:00 – 5:00	Open Forum	
Day 9 (March 14, Tuesday)		
8:30 – 9:00	Recap of Day 1	
SESSION 2	Overview of the Caves and Wetlands Information System <ul style="list-style-type: none"> • What is CWIS • How CWIS works • Roles of Data Managers and Administrators • Role and responsibilities of Users 	
9:00 – 10:30	Presentation of CWIS Menus	
12:00 – 1:00	Lunch Break	
1:00 – 4:00	Continuation of Presentation of CWIS Menus	
4:00 – 5:00	Open forum	
Day 10 (March 15, Wednesday)		
8:30 – 9:00	Recap of Day 2	
9:00 – 12:00	PAIS & CWIS Hands-on exercises	
12:00 – 1:00	Lunch Break	
1:00 – 3:00	Continuation of hands-on exercises	
3:00 – 4:00	Open Forum	
4:00 – 4:30	Synthesis and Next Steps	
4:30	Closing Remarks	
Day 11 (March 16, Thursday) : Field Trip (PA to be identified)		
Day 12 (March 17, Friday) : Homeward Bound		