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National Capacity development for DENR on Green Assessment Stage 2 Post-disaster Comprehensive Assessment (Rapid Biodiversity Assessment and Community Resource-Use)

Introduction and objectives

The Green Assessment Framework was developed to determine the magnitude of typhoon-related damages to biodiversity, ecosystems, and ecosystem services. The Green Assessment Framework has four (3) stages. Stage 1 is the rapid appraisal, which makes use of GIS and RS technology to generate data on vegetation cover and identify any changes on forest surface cover. Stage 2 employs a centralized stream of data gathering and actual ground validation surveys, including the analyses of data. Stage 3 involves developing green resilience plans for damages to biodiversity and ecosystem assets. To continue the national capacity development, training on rapid biodiversity assessments (stage 2) will be conducted to improve the skills of participants on evaluating the status of ecosystem health and recovery following a natural disaster. The results of the biodiversity assessment can provide managers with ground validated data on the actual damage incurred. The data will include post-disaster statistics and condition of flora and fauna in the affected areas identified from Stage 1. This will then result in a more accurate and detailed estimate of the extent of damage that will inform the green recovery planning.

The capacity development activities aim to improve management effectiveness of conservation areas by strengthening decision-making instruments which will lead to improved governance of natural resources management. The training specifically aims to:

1. For participants to be familiarized on the green assessment framework and gain experience in its implementation;
2. For participants to advance their knowledge and utilization of rapid biodiversity assessment and community resource-use for post-disaster scenarios; and
3. For participants to learn how to curate the data gathered, in preparation for analyses.

Expected outputs during Stage 2 Training

- Data sheets per taxonomic group
- Encoded and curated data from field exercise
- Oral report of results from field exercise
- Accomplished post-evaluation questionnaire

Qualifications and requirements for participants:

1. Bachelor's degree in natural sciences (e.g., Biology, Forestry, Environmental Science, Geology and related backgrounds)
2. Has knowledge on performing basic statistics and basic mapping
3. Able to follow technical instructions
4. Prior experience in conducting biodiversity surveys and monitoring desired, but not required
5. Participants must bring their personal or work laptops during the workshop
6. Participants must complete the pre-registration form before attending

Each Bureau/Office must send three representatives with these specializations:





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- Representatives should come from the regional office (1 pax), PENRO (1 pax), CENRO (1 pax)
- One representative with knowledge and experience on flora handling/identification
- One representative with knowledge and experience on fauna handling/identification
- One technical/planning officer

Provisional Program of Activities

Day 1

Time	Activity	Resource Person
7:00 to 8:00 AM	Breakfast	Hotel Accomodation
8:00 to 9:00 AM	Arrival and Registration of Participants	Secretariat
9:00 to 9:10 AM	Opening prayer and National Anthem	Secretariat
9:10 to 9:15 AM	Opening message	DENR CCS
9:15 to 9:20 AM	Welcome Remarks	SIBOL COP/DCOP
9:20 to 9:30 AM	Introductions	Ms. Rhiana Angelita Parr HCVA Research Associate, CCIPH-SIBOL
9:30 to 10:30 AM	Lecture 1. Introduction to the Green Assessment Framework - Presentation on what is the Green Assessment Framework, and how this can be applied as an early response to typhoon and natural disaster related damages in assessing extent of damages to forests, biodiversity, and community.	Dr. Neil Aldrin Mallari Ecosystem Integration Specialist, CCIPH-SIBOL
10:30 AM to 11:30 AM	Lecture 2. Priority Species for Conservation Management	Dr. Neil Aldrin Mallari Ecosystem Integration Specialist, CCIPH-SIBOL
11:30 AM to 12:00 noon	Activity 1. Selecting Management Indicator Species	Ms. DeAnne Rochelle Abdao HCVA Research Associate, CCIPH-SIBOL
12:00 noon to 1:00 PM	Lunch Break	
1:00 to 1:30 PM	Activity 1. Selecting Management Indicator Species -Presentations	Ms. DeAnne Rochelle Abdao





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		HCVA Research Associate, CCIPH-SIBOL
1:30 to 2:30 PM	Lecture 3. Survey Design for Rapid Biodiversity Assessment	Mr. Jhonny Wyne Edano Ecological Modeling Specialist, CCIPH-SIBOL
2:30 to 4:30 PM	Activity 2. Designing your survey <ul style="list-style-type: none"> Site selection using Stage I Map Outputs Collating available biodiversity information 	Mr. John Lister Bibar HCVA Research Associate, CCIPH-SIBOL
4:30 to 5:00 PM	Summary of Day I Training	Ms. Rhiana Angelita Parr HCVA Research Associate, CCIPH-SIBOL
6:00 PM	Dinner	

Day 2

Time	Activity	Resource Person
7:00 to 9:00 AM	Breakfast	
9:00 to 9:30 AM	Lecture 4. Transect and Plot Establishment	Dennis Tablazon HCVA Research Associate, CCIPH-SIBOL
9:30 to 10:30 AM	Activity 3. Adjusting to Challenges in the Field 9:30-11	Ms. Rhiana Angelita Parr HCVA Research Associate, CCIPH-SIBOL
10:30 to 11:30 NN	Lecture 5. Post-disaster Habitat Sampling Techniques	Dr. Mary Ann Bautista Botanist CCIPH-SIBOL
11:30 to 12:00 NN	Activity 4. Conducting Post-disaster Habitat Sampling	Raffy Mark Failon HCVA Research Associate, CCIPH-SIBOL Minjel Mae Zaragosa HCVA Research Associate, CCIPH-SIBOL
12:00 to 1:00 PM	Lunch	





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1:00 to 2:00 PM	Lecture 6. Flora (Trees) Sampling Techniques	Dr. Mary Ann Bautista Botanist CCIPH-SIBOL
2:00 to 3:30 PM	Lecture 7. Faunal Sampling Techniques	Mr. John Lister Bibar HCVA Research Associate, CCIPH-SIBOL Ms. DeAnne Rochelle Abdao HCVA Research Associate, CCIPH-SIBOL Mr. Jhonny Wyne Edano Ecological Modeling Specialist, CCIPH-SIBOL
3:30 to 4:30 PM	Lecture 8. Tools for Taxonomic Identification	Mr. Jhonny Wyne Edano Ecological Modeling Specialist, CCIPH-SIBOL
4:30 to 5:00 PM	Summary of Day 2 Training and Orientation for Activity 5	Ms. Rhiana Angelita Parr HCVA Research Associate, CCIPH-SIBOL
6:00 PM	Dinner	

Day 3

Time	Activity	Resource Person
7:00 to 9:00 AM	Breakfast	
9:00 AM to 12:30 PM	Activity 5. Field Survey Simulation	SIBOL
12:30 to 1:30 PM	Lunch	
1:30 to 2:00 PM	Post-evaluation for Activity 5	Ms. DeAnne Rochelle Abdao HCVA Research Associate, CCIPH-SIBOL
2:00 to 2:30 PM	Lecture 9. Field Data Curation	Mr. John Lister Bibar HCVA Research Associate, CCIPH-SIBOL





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2:30 to 4:30 PM	Activity 6. Encoding and Curation of Field Data	Raffy Mark Failon HCVA Research Associate, CCIPH-SIBOL
4:30 to 5:00 PM	Summary of Day 3 Training	Ms. Rhiana Angelita Parr HCVA Research Associate, CCIPH-SIBOL
6:00 PM	Dinner	

Day 4

Time	Activity	Resource Person
7:00 to 9:00 AM	Breakfast	
9:00 to 10:00 AM	Lecture 10. Methods for Analyzing Green Assessment Data	Jennica Paula Masigan HCVA Specialist CCIPH-SIBOL
10:00 to 12 NN	Activity 7. Measuring Sampling Effort	Mr. Jhonny Wyne Edano Ecological Modeling Specialist, CCIPH-SIBOL
12:00 to 1:00 PM	Lunch	
1:00PM to 3:30 PM	Activity 8. Preparing SDM Metadata	Jennica Paula Masigan HCVA Specialist CCIPH-SIBOL
3:30 to 4:30 PM	Lecture 11. Gauging the Impacts of Natural Disasters to High Conservation Values in the Lens of Local Communities	Lawrence Empillo Study of Land Use Change Team Lead CCIPH-SIBOL
4:30 to 5:00 PM	Summary of Day 4 Training	Ms. Rhiana Angelita Parr HCVA Research Associate, CCIPH-SIBOL
6:00 PM	Dinner	

Day 5

Time	Activity	Resource Person
7:00 to 9:00 AM	Breakfast	





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9:00 to 12:00 NN	Cont. of Lecture 11. Gauging the Impacts of Natural Disasters to High Conservation Values in the Lens of Local Communities	Lawrence Empillo Study of Land Use Change Team Lead CCIPH-SIBOL
1:00 to 2:00 PM	Lecture 12. Case Studies on Green Assessments	Jennica Paula Masigan HCVA Specialist, CCIPH-SIBOL
2:00 to 3:30	Workshop 5. Post-evaluation and Open Forum Discussion	Ms. Rhiana Angelita Parr HCVA Research Associate, CCIPH-SIBOL
3:30 to 4:00 NN	End of Training Program. Closing Remarks and Awarding of Certificates	SIBOL and DENR CCS

