



DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
KAGAWARAN NG KAPALIGIRAN AT LIKAS NA YAMAN



19 JUL 2024

MEMORANDUM

FOR : **ATTY. MA. MERCEDES V. DUMAGAN**
OIC Regional Executive Director
DENR Region 11

ALNULFO M. ALVAREZ
OIC, Regional Director
Environmental Management Bureau Region 11

USEC. PETER N. TIANGCO, Ph. D.
Administrator
National Mapping and Resource Information Authority

ATTENTION : **PABLITO M. OFRECIA**
PENRO Davao Oriental

CHAMBERLAINE J. BABIERA
PENRO Davao del Sur

AMELDA R. VERA CRUZ
OIC, PENRO Davao Occidental

JUVY C. HOFILENA
CENRO, Davao City

FROM : **THE DIRECTOR**
Foreign-Assisted and Special Projects Service (FASPS)

SUBJECT : **SUSTAINABILITY MONITORING AND ASSESSMENT (SMA) OF COMPLETED FOREIGN-ASSISTED AND SPECIAL PROJECTS IN REGION 11 (DAVAO REGION)**

The Project Monitoring and Evaluation Division (PMED) of the Foreign-Assisted and Special Projects Service (FASPS) shall be conducting a Sustainability Monitoring and Assessment (SMA) of completed foreign-assisted and special projects implemented in your area of jurisdiction. The objectives of the SMA are to determine the current status of the different project interventions, identify facilitating factors and challenges in achieving project outputs and in sustaining project gains, and cull out lessons learned, good practices, innovations, and success stories.

Our FASPS-PMED personnel will gather data and information through interviews (face-to-face and online), focus group discussions, and site visits, to validate and assess major outputs and results of the projects identified below:

SITE	PROJECT	FOCAL PERSON
Online/Hybrid SMA		
Davao del Sur	Biodiversity and Watersheds Improved for Stronger Economy and Resiliency Project (B-WISER) <i>Date: August 7, 2024</i>	Rolando Carbon/ Wilson Albay

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SITE	PROJECT	FOCAL PERSON
Davao Occidental	Participatory Mapping of Existing Land Uses Using Remote Sensing and GIS Technology: A Pilot Test for the Province of Davao Occidental (Participatory Mapping SP) Date: August 22, 2024	Melissa Ann Garcia (margarcia@denr.gov.ph)
Onsite SMA (August 12-16, 2024)		
Davao City	Technical Cooperation Project (TCP) for Capacity Development on Improving Solid Waste Management (SWM) through Advanced/ Innovative Technologies in the Philippines	Danica Lyn Bitel (dlabitel@denr.gov.ph)
Davao del Sur	Facilitating the participatory planning of community-based forest management using geographic information system and remote sensing technologies in forest resources management in the Philippines, Indonesia and Thailand (AFoCo-CFM)	Khasmer Marbella (khasmarbella@gmail.com)
Davao Oriental	Beekeeping as Biodiversity-Friendly Community-Based Enterprise in Mount Hamiguitan Range Wildlife Sanctuary and Expansion Areas (Beekeeping SP)	Melissa Ann Garcia
	Dugong and Marine Turtles Comprehensive Biological Research in Mayo and Pujada Bay Protected Seascape and Landscape (Dugong SP)	Melissa Ann Garcia
	Partnership for Biodiversity Conservation: Mainstreaming in Local Agricultural Landscapes (BPP)	Jaeshienne Therese Payumo (jaeshiennepayumo@gmail.com)

In this regard, may we earnestly request for your field office's kind assistance to facilitate the conduct of the activity. We would appreciate it if you could refer us to your designated focal person/s who can assist our personnel, particularly in the facilitation of logistical arrangements and necessary coordination with concerned offices and target participants/respondents (i.e., Local Government Units, People's Organizations, Academe, etc.). Attached for your reference is a copy of the Activity Design.

Further, FASPS shall be downloading the funds necessary for the conduct of the activity. Our concerned personnel will be closely coordinating with your respective field offices. Likewise, should the designated focal persons have any questions or concerns, they may contact the respective project focal through their email address or you may call the FASPS office at telephone number (02) 8926 2689.

For your consideration.


AL O. OROLFO, Ph. D., CESO III

Attachment:

- Activity Design: CY 2024 Quarter 3 Sustainability Monitoring and Assessment

**SUSTAINABILITY MONITORING AND ASSESSMENT
OF COMPLETED FOREIGN-ASSISTED AND SPECIAL PROJECTS
IN REGION 11 (DAVAO REGION)**

ACTIVITY DESIGN

I. BACKGROUND

The Project Monitoring and Evaluation Division (PMED) of the Foreign-Assisted and Special Projects Service (FASPS) will be conducting a sustainability monitoring and assessment activity in CY 2024 of the different interventions of foreign-assisted and special projects (FASPs) which have been completed from 2016 to 2023.

For **Quarter 3 of CY 2024**, project sites of completed FASPs in **Region 11 (Davao Region)** will be visited to check on the status of different project interventions. The projects are as follows:

Sector	Project	Specific Sites / Location
Environment	Technical Cooperation Project (TCP) for Capacity Development on Improving Solid Waste Management (SWM) through Advanced/Innovative Technologies in the Philippines	Davao City
Biodiversity	Partnership for Biodiversity Conservation: Mainstreaming in Local Agricultural Landscapes (BPP)	Gov. Generoso, San Isidro, and Mati in Davao Oriental
Forestry	Biodiversity and Watersheds Improved for Stronger Economy and Resiliency Project (B-WISER)	Mount Apo Natural Park, Digos City, Davao del Sur <i>(Hybrid meeting)</i>
	Facilitating the participatory planning of community-based forest management using geographic information system and remote sensing technologies in forest resources management in the Philippines, Indonesia and Thailand (AFoCo-CFM)	Crossing Banus, Ballah and Licoson, Brgy. Salaysay, Marilog District, Davao City, Davao del Sur
Special Project (SP)	Beekeeping as Biodiversity-Friendly Community-Based Enterprise in Mount Hamiguitan Range Wildlife Sanctuary and Expansion Areas (Beekeeping SP)	Mount Hamiguitan Range Wildlife Sanctuary, Mati, Davao Oriental
	Dugongs and Marine Turtles Comprehensive Biological Research in Mayo and Pujada Bay Protected Seascape and Landscape (Dugong SP)	Mayo Bay and Pujada Protected Landscape/ Seascape, Mati, Davao Oriental

	Participatory Mapping of Existing Land Uses Using Remote Sensing and GIS Technology: A Pilot Test for the Province of Davao Occidental (Participatory Mapping SP)	Municipalities of Davao Occidental (Hybrid meeting)
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II. METHODOLOGY

The activity consists of communication and coordination with the respective focal project Bureau, and data gathering through field visits, focus group discussions (FGDs), key informant interviews (KIIs), and other means necessary to determine and validate the current status of the different project interventions. Thereafter, an Assessment Report will be prepared to consolidate and analyze the results of the field validation activity.

III. TEAM COMPOSITION

The FASPS-PMED staff, together with selected personnel from other FASPS Divisions, will be grouped into Teams which will be deployed to the different project sites. The FASPS-PMED staff will take the lead in the conduct of the data gathering and field validation activity.

IV. TIMELINE OF ACTIVITIES

The project validation activities are scheduled in August 2024. The tentative timeline is as follows:

PROPOSED TIMELINE	ACTIVITY	PMED TEAM CONCERNED
07 August 2024	Hybrid KII <ul style="list-style-type: none"> • B-WISER 	Rolando Carbon Wilson Albay
12-16 August 2024	KII, FGD and Site visit to Davao City and Davao del Sur <ul style="list-style-type: none"> • TCP-SWM • AFOCO-CFM KII and Site Visit to Davao Oriental <ul style="list-style-type: none"> • Dugong SP • BPP • Beekeeping SP 	Danica Lyn Bitel Joyce Marie Yu Khasmer Marbella Wilson Albay Melissa Ann Garcia Jaeshienne Therese Payumo
22 August 2024	Hybrid KII <ul style="list-style-type: none"> • Participatory Mapping SP 	Melissa Ann Garcia

V. BUDGETARY REQUIREMENTS

Funds shall be downloaded to the concerned DENR regional office to facilitate the conduct of the sustainability monitoring and assessment charged to FASPS Support Funds (Validation and Documentation of Completed FASPs Interventions).


ITEM	AMOUNT
Site Visits and KII/FGD	
<ul style="list-style-type: none">● TCP-SWM● AFOCO-CFM● Dugong SP● BPP● Beekeeping SP	PhP 221,760.00
Hybrid KII/FGD	
<ul style="list-style-type: none">● B-WISER	PhP 3,800.00
<ul style="list-style-type: none">● Participatory Mapping SP	PhP 7,600.00
TOTAL	PhP 233,160.00

Prepared by:


**Bitel, Danica Lyn A.
Garcia, Melissa Ann R.
Marbella, Khasmer B.**

**Palma, Ma. Andrea D.
Payumo, Jaeshienne Therese K.**


Reviewed by:


MARITES P. ROMENA
PEO IV
FASPS-PMED

Noted by:


JESLINA B. GOROSPE
Chief
FASPS-PMED

Approved by:


AL O. OROLFO, Ph.D., CESO III
Director
FASPS

Date of Submission: 17 July 2024

Annex A
List of Project Outputs for Validation

Project	Project Outputs
<ul style="list-style-type: none"> ● TCP-SWM 	<ul style="list-style-type: none"> ● Policy (Draft EMB Memorandum Circular: Guidelines for the Technical Standards of Waste-to-Energy Facility on Appropriately Controlled Combustion) ● Toolkits/Manuals <ul style="list-style-type: none"> ○ BAT/BEP Guidelines ○ Case Study Analysis for BAT/BEP Guideline ○ Technical Standards on WtE-ACC ○ Manual for Planning, Evaluation, Formulation, and Supervision for WTE Project ○ Booklet for Good Practice and Good Technology for SWM other than WtE ● Review of the 10-Year SWM Plan ● Standard Operation Procedure (SOP) for Sampling, Analyzing, and QA/QC of Dioxins and Furans in Ambient Air and Source Emission Gas ● Capacity Building
<ul style="list-style-type: none"> ● BPP 	<ul style="list-style-type: none"> ● Biodiversity-Friendly Enterprise (BDFE) ● Established Local Conservation Area
<ul style="list-style-type: none"> ● B-WISER 	<ul style="list-style-type: none"> ● Strengthening Forest and Biodiversity Protection (Lawin System) ● Supporting Forest Restoration and Resilience ● Resource Management Planning ● Capacity Building
<ul style="list-style-type: none"> ● AFoCO-CFM 	<ul style="list-style-type: none"> ● Plantation establishment, maintenance and protection ● Tools and Equipments (i.e., plastic drum, wheelbarrows, digging bars, shovel, hose, water pump, computers, printers, solar panels, GPS, and GIS software) ● Infrastructure (i.e., nursery and bunkhouse) ● Livelihood (Cacao trading and by-products processing (<i>tableya</i>)) ● Capacity building activities ● Participatory CFM Plan/CRMF
<ul style="list-style-type: none"> ● Beekeeping SP 	<ul style="list-style-type: none"> ● Capacity Building ● Biodiversity-friendly enterprise operations (Native Beekeeping) ● Communication, Education, and Public Awareness (CEPA)
<ul style="list-style-type: none"> ● Dugong SP 	<ul style="list-style-type: none"> ● Information on local and other large marine mammal international migration patterns ● Threats parallel to human activities in the ocean ● Local baseline data ● Economic value relative to tourism

Project	Project Outputs
<ul style="list-style-type: none"> ● Participatory Mapping SP 	<ul style="list-style-type: none"> ● One (1) training module on mapping of existing land uses using RS and GIS technology ● Capacity building of LGUs on RS and GIS technology ● Five (5) municipal and one (1) provincial Existing land use maps ● Policy recommendations

Annex B.1
Sustainability Monitoring and Assessment Design

Project Profile

Project : Technical Cooperation Project (TCP) for Capacity Development on Improving Solid Waste Management (SWM) through Advanced/Innovative Technologies in the Philippines
Implementing Agency : DENR Environmental Management Bureau (EMB)
Duration : March 2019 - June 2022
Site : Quezon City, Cebu City, **Davao City**

Methodology

A focus group discussion (FGD) will be conducted with the EMB as the Project's implementing agency. Below are the proposed questions for the interview:

Major Outputs/ Accomplishments	Proposed Questions	Respondent
General Questions	<ul style="list-style-type: none"> - What is the role of your office in the project? - How were you involved in the project? 	EMB R11 LGU Davao City
Technical Standards on WtE-ACC	<p>The draft policy compiling the technical standards on WtE-ACC is undergoing review by the EPTWG. According to EMB-SWMD, the regional offices were consulted about the said policy.</p> <ul style="list-style-type: none"> - Is the regional office able to attend said consultations? <ul style="list-style-type: none"> - If yes, when and where? What are your insights about the draft policy? - If not, ask about the possible reasons. - With the existing policy for WtE (e.g., NSWMC Resolution No. 669 and DAO 2019-21), what are the gaps that need to be addressed? 	EMB R11
<p>Manuals and Guidelines</p> <ul style="list-style-type: none"> - BAT/BEP Guidelines - Case Study for BAT/BEP Guideline - Manual for Planning, Evaluation, 	<p>According to EMB Central Office, the outputs of the TCP-SWM were uploaded online and cascaded to the EMB regional offices for dissemination to the LGUs.</p> <ul style="list-style-type: none"> - Is the regional office able to have access to these outputs? <ul style="list-style-type: none"> - If yes, were these outputs/products disseminated as intended? To whom? When? How? - Ask about the utility of each 	EMB R11

<p>Formulation, and Contract Management (PFEC) for WTE Project</p> <ul style="list-style-type: none"> - Booklet of Good Practice and Good Technology for SWM other than WTE 	<p>output/product. Is the regional office able to use these as well?</p> <ul style="list-style-type: none"> - If not, ask about the possible reasons. 	
<p>Review of the 10-Year SWM Plan of the Davao City LGU</p>	<p>The review of the 10-Year SWM Plan and the current situation for introducing WTE for target LGUs were done by the Project under Output 2. Target LGUs' capacity for Planning, Evaluation, Formulation, and Supervision of WTE projects is enhanced.</p> <ul style="list-style-type: none"> - Does Davao City LGU have an approved 10-year SWM Plan? <ul style="list-style-type: none"> - If yes, when was it approved? - If no, what is the status (i.e., under evaluation)? - The project provided a review of the LGU's 10-year SWM Plan, particularly focusing on the waste material flow and waste reduction targets. Based on the PCR, the feed for Davao City were generally positive. <ul style="list-style-type: none"> - Is the LGU on track in accomplishing its waste reduction targets? (<i>Ask for figures</i>) - How much of the LGU's budget is being allocated to implement the 10-year SWM Plan? (<i>Ask for at least 5-year data</i>) - The LGU has a WTE project with funding support from JICA in the pipeline. What is the status? Is this the same project evaluated by the TCP-SWM? - What are the common gaps/challenges in implementing WTE? 	<p>LGU Davao City</p> <p>EMB R11 LGU Davao City</p>

	<ul style="list-style-type: none"> - What strategies were seen to scale up or to support the LGUs in terms of SWM? (e.g. PPP scheme) - Aside from WTE, what other technologies were identified to help address SWM? 	
<p>Standard Operation Procedure (SOP) for sampling, analyzing, and QA/QC of dioxins and furans in ambient air and source emission gas</p>	<p>The project also looked at the capacity of the DENR to sample and analyze dioxins and furans in ambient air.</p> <ul style="list-style-type: none"> - Has the regional office participated in any training activities related to sampling and analysis under the project? <ul style="list-style-type: none"> - If yes, who were the participants? What is the ratio of male and female participants? (<i>Ask for figures</i>) - Were the learnings applied or practiced by training participants in their work? In what ways? - What are the present/existing techniques/procedures implemented by EMB regional office in sampling and analyzing furans and dioxins in ambient air? - What do you think are the strengths of the regional office in sampling and analyzing dioxins and furans? Additionally, what gaps or areas of improvement do you identify within the regional office's current methodologies and processes for handling these tasks? - The project has helped improve the SOP for the sampling and analysis of dioxins and furans, which is currently enrolled as part of the Laboratory Quality Management System. Does the regional office follow same SOP? <ul style="list-style-type: none"> - If yes, since when? Is the regional office ISO/IEC 17025:2017 accredited? How much budget is being allocated to the regional laboratory? - If not, why? What hinders mainstreaming? 	<p>EMB R11</p>

Capacity Building	<ul style="list-style-type: none"> - What are the other capacity-building or training activities and their coverage/scope provided by the project? - What were the benefits? - Were the learnings applied or practiced by training participants in their work? In what ways? - Were the learnings re-echoed to other key staff/personnel? - Are there any awareness campaigns regarding WTE conducted by the project? 	EMB R11 Davao City LGU
Challenges	<ul style="list-style-type: none"> - What are the challenges encountered in implementing the project and in sustaining project gains? What are the actions taken to address these challenges? - Are there areas that need improvement for these types of Technical Cooperation Projects? 	EMB R11 Davao City LGU
LGIS	<ul style="list-style-type: none"> - What are the lessons learned, good practices, innovations, and success stories (if any)? Are these documented? 	EMB R11 Davao City LGU
Observed Changes	<ul style="list-style-type: none"> - Was the project successful in helping enhance the national government's and target LGU's capacity for improving SWM through the use of WtE and other SWM technologies? - What are the observed changes brought by the project in terms of (a) environment; (b) social; and (c) economic? 	EMB R11 Davao City LGU

Annex B.2
Sustainability Monitoring and Assessment Design

Project Profile

Project : Partnership for Biodiversity Conservation: Mainstreaming in Local Agricultural Landscapes (BPP)
 Implementing Agency : Biodiversity Management Bureau (BMB)
 Duration : September 2011 to September 2017
 Site : Davao Oriental
 Methodology : KII, FGD, and Site visit

Major Outputs	Questions	Respondent
<p>Integrated Biodiversity Conservation Zoning in Comprehensive Land Use Plans (CLUP)</p>	<p>What is the current status of the integrated Biodiversity Conservation Zoning in Comprehensive Land Use Plans (CLUP)?</p> <p>How well is the Integrated Biodiversity Conservation Zoning integrated into broader development plans and strategies?</p> <p>Are there educational programs or awareness campaigns to inform local communities and stakeholders about the importance of biodiversity conservation zones? How well-informed are the residents about the zoning regulations?</p> <p>How often is the zoning plan reviewed and updated?</p> <p>Does it influence decisions related to infrastructure development, land use changes, and urban expansion?</p> <p>Are there provisions within the zoning regulations that promote ecotourism and sustainable land use practices?</p> <p>What challenges were encountered? What steps/actions were taken to address these challenges?</p>	<p>PENRO</p> <p>LGUs (Gov. Generoso and San Isidro, Davao Oriental)</p>
<p>Established New Conservation Areas</p>	<p>What is the legal basis for the establishment of the LCA? (<i>Request for a copy of the Resolution/ Ordinance or any issuance.</i>)</p> <p>What were the specific criteria used to identify and designate these areas?</p>	<p>PENRO</p> <p>LGUs (Gov. Generoso, San Isidro, and Mati, Davao Oriental)</p>

Major Outputs	Questions	Respondent
	<p>Have detailed management plans been developed for the newly established conservation areas? Do these plans outline specific conservation goals, activities, and monitoring strategies?</p> <p>Have the new conservation areas received legal designation and protection?</p> <p>Is there a robust monitoring system in place to track the health and status of the conservation areas?</p> <p>How are regulations and guidelines enforced, and are there penalties for violations?</p>	
<p>Biodiversity-Friendly Enterprises (BdFEs)</p>	<p>Preliminary Questions for the PO Respondents:</p> <p>How were you involved with the Project? (<i>volunteered, pre-identified by the DENR, etc.</i>)</p> <p>What made you participate in the project activities?</p> <hr/> <p>What BdFEs were established? How was this identified?</p> <p>Was a market study conducted prior to BdFE operations?</p> <p>What is the status of the BdFE? Operating or not?</p> <ul style="list-style-type: none"> - If yes, is the BdFE gaining profit? For how many business cycles? - How are profits divided among BdFE members? Is there a benefit-sharing scheme? - If not, why? What hinders operations? <p>Does the BdFE have a Business Plan / Work Plan? If so, does the plan have an accompanying fund or budget? For how many budget cycles?</p> <p>Are the BdFE structures and equipment still being used?</p>	<p>Lumad Almaciga Tappers Association of Gov. Generoso (LATAGG)</p>

Major Outputs	Questions	Respondent
	<ul style="list-style-type: none"> - If yes, have there been improvements (expansion of store, additional equipment for marketing, etc.) - If not, why? For what purpose are they being used now? <p>Who operates and maintains the BdFE? Please elaborate.</p> <ul style="list-style-type: none"> - % of women participation in the overall operation of the BdFE <p>What are the “biodiversity friendly” practices being implemented in the BdFE?</p> <p>What are the challenges encountered in operating and managing the BdFEs? Were you able to address these challenges? How?</p> <p>What are the changes/ impacts seen and felt in the implementation of the BdFEs?</p> <ul style="list-style-type: none"> ● Social (increased awareness, participation, benefit-sharing, GAD-related etc.) ● Environmental (increased forest area cover, zero kaingin incidence, etc.) ● Economic (% increase in income comparing before & after/with or w/out project; increase in savings) 	
LGIS	What are the lessons learned, good practices, innovations, and success stories of the project?	Project implementers and beneficiaries

Annex B.3
Sustainability Monitoring and Assessment Design

Project Profile

Project : Biodiversity and Watersheds Improved for Stronger Economy and Resiliency Project (B-WISER)
Implementing Agency : Forest Management Bureau (FMB)
Duration : December 2012 to December 2018
Site : **Davao del Sur** and Bukidnon

Methodology : Hybrid FGD

Major Outputs/ Accomplishments	Proposed Questions	Respondent
Application and implementation of the Lawin System	<p>What are the policies issued relevant to the use, roll out and implementation of the Lawin System?</p> <p>Are there training interventions provided to DENR field offices to ensure effective and continuous use of the Lawin System? - If yes, how often?</p> <p>Are there any improvements made in the system? In what forms/ways?</p> <p>What are the Bureau's ways forward relative to the use of Lawin?</p>	FMB
	<p>What is the main function and purpose of the Lawin system?</p> <p>How does this Lawin System operate and who manages it?</p> <p>What is now the status of the Lawin applications and the gadgets in terms of functionality?</p> <p>Who is responsible for the maintenance?</p> <p>Who are the users of the Lawin applications and who provides the gadget (cellphone)?</p> <p>Who processes the data generated by the Lawin system and how the data is being used?</p>	PENRO/CENRO

	<p>How effective and efficient is the Lawin system in responding to observed illegal activities during patrolling?</p> <p>Can you cite example/s or situations? Can you identify or cite benefits of the Lawin system for the region and or to the DENR?</p> <p>How does this Lawin system contribute to social/human, economic and political development, if any?</p> <p>How is the implementation of the Lawin system related to forest restoration? Reduction of CO2 emission?</p>	
<p>Incentive system for forest patrolling</p>	<p>What is the incentive system for forest patrolling?</p> <p>How does this incentive system operate?</p> <p>Who benefits from the incentive system? How?</p> <ul style="list-style-type: none"> - Are the deputized Bantay Gubat covered by the incentives? <p>How does the PENRO intend to sustain the incentive system?</p>	<p>PENRO/CENRO</p>
<p>Sustainability of Developed Capacity</p>	<p>What are the capacity interventions provided by B+WISER? Who are the participants?</p> <p>How does this benefit the Region/PENRO/ CENRO including LGU? Please provide an example.</p> <p>What happened to these trained/capacitated personnel? Where are they now involved?</p> <p>Were the learnings applied or practiced by training participants in their work? In what ways?</p> <p>Were the learnings re-echoed to other key staff/personnel?</p> <p>How does the region intend to sustain the developed capacities of the personnel and</p>	<p>PENRO/CENRO</p>

	<p>the benefits in the management, protection and conservation of the natural resources and its biodiversity?</p> <p>Did the Region encounter challenges/ bottlenecks in the implementation of the Project's interventions and sustainability?</p> <p>How have these challenges been addressed?</p> <p>How does the Region intend to sustain the interventions and their benefits?</p>	
<p>LGIS</p>	<p>What are the lessons learned, good practices, innovations, and success stories of the project?</p>	<p>Project implementers and beneficiaries</p>

Annex B.4
Sustainability Monitoring and Assessment Design

Project Profile

Project : Facilitating the participatory planning of community-based forest management using geographic information system and remote sensing technologies in forest resources management in the Philippines, Indonesia and Thailand (AFoCo-CFM)

Implementing Agency : Forest Management Bureau (FMB)

Duration : December 2014 to December 2019

Site : Pangasinan, Albay, and Davao del Sur

Methodology : FGD, KII, Site Visit

Major Outputs/ Accomplishments	Proposed Questions	Respondent
Preliminary Question for the PO Respondents	<p>How were you involved with the Project? (<i>volunteered, pre-identified by the DENR, etc.</i>)</p> <p>What made you participate in the project activities?</p>	<p>Banus, Ballah, Licoson Farmers Marketing Cooperative (BABALI-FMC)</p>
Agroforestry plantation establishment, maintenance and protection	<p>What is the current status (survival, health, height, age) of your established plantation?</p> <ul style="list-style-type: none"> - If low survival, what are the main factors? What remedies have been undertaken, if any? (e.g., replacement of dead seedlings, from where?, etc.) - If high survival, what are the practices/techniques/procedures being done? <p>Is it being maintained?</p> <ul style="list-style-type: none"> - If yes, what are the maintenance activities performed (e.g., pruning, weeding, fertilizing)? <ul style="list-style-type: none"> - What fertilizers were used, organic or chemical? - How often? - Who is involved? - Do you contract laborers? - If not, why? What hinders maintenance? <p>How are planting materials produced? Where are they sourced?</p>	<p>BABALI-FMC</p>

	<p>Have you started harvesting from the plantation?</p> <ul style="list-style-type: none"> - If yes, since when? - Do you sell agroforestry products? Where? (market, neighbors, etc.) - How are agroforestry products marketed? - How are products transported to the market? (<i>check if there is an existing FMR, other means that could facilitate or hinder transportation for marketing</i>) - If not, why? What are the main factors? <p>What is the estimated annual income from the plantation?</p> <ul style="list-style-type: none"> - If earning, for how long? <p>Is a benefit sharing mechanism established?</p> <p>Are there any financial support mechanisms (e.g., grants, subsidies, loans) in place other than the support from the CBFMA?</p> <p>What benefits (environmental, social, economical) have you experienced/observed?</p> <p>How have the members been involved?</p>	
<p>Tools and Equipment (i.e., plastic drum, wheelbarrows, digging bars, shovel, hose, water pump, computers, printers, solar panels, GPS, and GIS software)</p>	<p>What is the current condition of the tools and equipment? Are they still functional? Who is responsible for the maintenance and repair?</p> <p>What challenges have been encountered in using the tools and equipment? What measures are being taken to address these challenges and issues?</p> <p>In using the GPS and GIS software, is there any additional training or support needed for the effective use of it?</p>	<p>BABALI-FMC</p>

<p>Infrastructure (Nursery and Bunkhouse)</p>	<p>What is the status of the infrastructure?</p> <p>Are the support infrastructures maintained and functional?</p> <ul style="list-style-type: none"> - If yes, how often? - What maintenance activities are being done? - Who is involved? - Where is the source of funding for the maintenance? - If not, why? What are the main factors? <p>Have there been any repairs or upgrades made to the infrastructure since its establishment?</p> <ul style="list-style-type: none"> - If yes, please describe. - How much was the cost of the upgrade? Where was the funding for the upgrade sourced? <p>What are its benefits?</p> <p>What challenges have been encountered in using and maintaining the infrastructure? What measures are being taken to address these challenges and issues?</p>	<p>BABALI-FMC</p>
<p>Livelihood (Cacao trading and by-products processing (tableya), trading of other products such as coffee beans, dried coconut, bananas, and abaca fiber)</p>	<p>What is the status of established livelihood? Operating or not?</p> <ul style="list-style-type: none"> - If yes, is the livelihood gaining profit? For how many business cycles? - What is the average annual income generated from cacao trading? From cacao by-products processing? From trading other products? - How are profits divided among PO members? Is there a benefit-sharing scheme? - If not, why? What hinders operations? <p>Was a market study conducted prior to livelihood operations?</p> <p>Does the BdFE have a Business Plan / Work Plan? If so, does the plan have an</p>	<p>BABALI-FMC</p>

	<p>accompanying fund or budget?</p> <p>How do you market your products?</p> <ul style="list-style-type: none"> - How are products transported to the market? (<i>check if there is an existing FMR, other means that could facilitate or hinder transportation for marketing</i>) <p>Who are the primary buyers of your products (e.g., local markets, cooperatives, international buyers)?</p> <ul style="list-style-type: none"> - Did you observe expansion of customer reach over time? <p>How is the livelihood being managed (e.g., direct sales, auctions, contracts)?</p> <p>What is the average selling price per kilogram/unit price of cacao beans, coffee beans, dried coconut, bananas, abaca fiber, and other processed cacao by products (tableya)?</p> <p>Are there any ongoing training or capacity-building programs to improve the skills and knowledge of the participants?</p> <ul style="list-style-type: none"> - If yes, <ul style="list-style-type: none"> - Who conducted these trainings? - Who were the participants? - What was the ratio of male and female participants? - Were the learnings applied or practiced by training participants in their work? In what ways? - How effective has the training been in improving the productivity and quality of cacao and its by-products and other trading products (coffee beans, dried coconut, bananas, and abaca fiber)? 	
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	<p>- If not, what possible training/s can be conducted?</p> <p>What challenges do you encounter in cacao cultivation, trading, and by-products processing? What measures are being taken to address these challenges and issues?</p>	
<p>Capacity building activities: PO and CBFM staff trained on community planning using GIS/RS technologies on forest resource management</p>	<p>How many forest technicians does the PENRO/CENRO currently employ? Out of the total number, how many personnel were trained? What was the ratio of female and male personnel trained?</p> <p>How does the number of forest technicians with the capabilities in the preparation of the CFM plan increase?</p> <p>How does advanced planning improve synergy and mainstreaming in the field? Discuss.</p> <p>What are other benefits of this advance planning?</p> <p>Were the learnings re-echoed to other key staff/personnel?</p>	<p>PENRO/CENRO</p>
<p>LGIS</p>	<p>What are the lessons learned, good practices, innovations, and success stories of the project?</p>	<p>Project implementers and beneficiaries</p>

Annex B.5
Sustainability Monitoring and Assessment Design

Project Profile

Project : Beekeeping as Biodiversity-Friendly Community-Based Enterprise in Mount Hamiguitan Range Wildlife Sanctuary and Expansion Areas (Beekeeping SP)

Implementing Agency : DENR-PENRO Davao Oriental through the Protected Area Management Office (PAMO) of Mount Hamiguitan Range Wildlife Sanctuary

Duration : December 2019 - December 2021 (extended until June 2022)

Site : Brgy. Talisay, San Isidro and Brgy, Sergio Osmeña, Governor Generoso, Davao Oriental

Methodology : Focus group discussion with PO beneficiaries; Site visit

Major Outputs / Accomplishments	Proposed Questions	Respondents
PO Involvement	<p>How did the PO get involved with the Project?</p> <p>What made you participate in the project activities?</p>	<p>Progressive Organic Farmers and Fisherfolks Toward Ecology Conservation of Talisay (PROFTECT),</p>
<p>Capacity building</p> <ul style="list-style-type: none"> ● Colony production, replication and maintenance of bees ● Handling and packaging of bee products (from DOST and DTI) ● Organizational , project and financial management 	<p>How many members attended the training provided? <i>Get sex disaggregated data, if able.</i></p> <p>Have the capacity building interventions been helpful? In what ways?</p> <p>Are the knowledge/skills gained from these training being used/ practiced up to this moment? How?</p> <p>Were the learnings from the capacity building re-echoed to new/other PO members?</p> <ul style="list-style-type: none"> - If yes, how (what platform) do you share the knowledge and skills gained from these training with new/other PO members? How often? <p>Do you keep records (e.g. finances and inventory)?</p> <ul style="list-style-type: none"> - Where/How? Physical or digital storage? <p>Do you have a copy of the formulated training plan and marketing plan?</p>	<p>Sergio Osmeña Rattan Association (SORA)</p>

<p>Biodiversity-friendly enterprise operations (Native beekeeping)</p>	<p>At present, what is the status of BdFE (beekeeping operations)?</p> <ul style="list-style-type: none"> a) Bee colonies b) Beekeeping apparatuses (hive tool, bee veil, hive box) c) Honey production d) Pollen production <ul style="list-style-type: none"> - If operating, for how long? Continuous? - If not operating, why? What hinders operations? What remedies were undertaken, if any? <p>How do you monitor the bee colonies?</p> <p>If ongoing, from July 2022 to Present, how much honey and pollen were produced?</p> <p>Are these sold?</p> <ul style="list-style-type: none"> - Where? Do you have a production area, display area/physical store? - If yes, was this provided by the Project? Or PO property? - Where is it located? Is there a need to transport products to the store? How? - Have there been improvements (expansion/ renovation of store, etc.) - How do you market? - At what price/s? <p>Is the BdFE gaining profit?</p> <ul style="list-style-type: none"> - If yes, since when? How many business cycles? - How are profits divided among BdFE members? Is there a benefit-sharing scheme? <p>What is the average annual net income from the start of the operations?</p> <p>Who are the main buyers of the bee products (e.g., local markets, cooperatives, international buyers)?</p> <ul style="list-style-type: none"> - Did you observe expansion of customer reach over time? 	
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	<p>Do you have a product trademark/label? From what source?</p> <p>Do you have a business plan? Is it being used/adopted/updated?</p>	
<p>Communication, Education, and Public Awareness (CEPA)</p>	<p>How and when did you conduct CEPA?</p> <p>Who were the participants?</p> <p>What was the feedback of the participants?</p> <p>What are the results of the activity? Was there an increase in awareness, etc., as intended?</p>	
<p>Proposed local ordinance entitled, "An Ordinance for the Preservation, Habitat Protection, and Collection of Bee Products from the Wild"</p>	<p>What is the status of the proposed ordinance? (<i>Draft, under review, approved /enacted, etc.</i>)</p> <ul style="list-style-type: none"> - If not yet approved, what is its likelihood to become enacted? - Is there anyone who can champion the proposed ordinance? - What are the next steps of the LGU relative to the passage of the proposed ordinance? - If approved, <i>request for a copy</i>. When was it approved? Does the Ordinance have a corresponding budget? For how many budget cycles? 	<p>LGU</p>
<p>Support</p>	<p>Is there support from the LGU or other partners in sustaining the project?</p> <ul style="list-style-type: none"> - If yes, what particular support did you receive from them? <p>In your opinion, what is lacking in the support provided by the Project?</p>	<p>PROFTECT, SORA</p>
<p>Challenges</p>	<p>What are the challenges in sustaining the project?</p> <p>What action/s is/are taken to address these challenges?</p>	

<p>LGIS</p>	<p>What are the:</p> <ul style="list-style-type: none"> ● Lessons Learned, ● Good Practices, ● Innovations, and ● Success Stories of the project? 	
<p>Observed changes</p>	<p>What are the observed changes (social, economic, environmental) seen and felt with the interventions?</p> <ul style="list-style-type: none"> ● Social (increased awareness, participation, benefit-sharing, GAD-related etc.) ● Environmental (increased forest area cover, reduced CO2 emission and oil spills, etc. ● Economic (% increase in income comparing before & after/with or w/out project; increase in savings) 	

Annex B.6
Sustainability Monitoring and Assessment Design

Project Profile

Project : Dugongs and Marine Turtles Comprehensive Biological Research in Mayo and Pujada Bay Protected Seascape and Landscape (Dugong SP)
 Implementing Agency : DENR Region 11
 Duration : 2016-2018
 Site : Mayo Bay and Pujada Protected Landscape/Seascape
 Methodology : Online KII with project implementer

Major Outputs / Accomplishments	Proposed Questions	Respondents
<ul style="list-style-type: none"> ● Information on local and other large marine mammal international migration patterns ● Threats parallel to human activities in the ocean ● Local baseline data ● Economic value relative to tourism 	<ol style="list-style-type: none"> 1. What is/are the action/s taken based on the results and recommendations of the study? 2. Can you cite some instances where the results and recommendations of the study were applied? 3. What are the next steps/ways forward identified following the results of the studies? <ul style="list-style-type: none"> - Will policies be drafted? - Will results be cascaded to other stakeholders (LGU, academe)? 4. What are the challenges in sustaining project outputs? What action/s was/were taken to address these challenges? 5. What are the <ul style="list-style-type: none"> ● Lessons learned, ● Good Practices, ● Innovations, and ● Success Stories of the project? 	<p style="text-align: center;">DENR-Region 11</p>

Annex B.7
Sustainability Monitoring and Assessment Design

Project Profile

Project : Participatory Mapping of Existing Land Uses Using Remote Sensing and GIS Technology: A Pilot Test for the Province of Davao Occidental (Participatory Mapping SP)

Implementing Agency : National Mapping and Resource Information Authority-Resource Data Analysis Branch - Geospatial Integration Division (NAMRIA-RDAB-GID)

Duration : 2017-2018

Site : Municipalities of Davao Occidental

Methodology : Hybrid KII with project implementer

Major Outputs / Accomplishments	Proposed Questions	Respondents
<ul style="list-style-type: none"> ● One (1) training module on mapping of existing land uses using RS and GIS technology ● Five (5) municipal and One (1) provincial Existing land use maps ● Policy recommendations 	<ol style="list-style-type: none"> 1. What is/are the action/s taken based on the results and recommendations of the study? 2. Can you cite some instances where the results and recommendations of the study were applied? 3. What are the next steps/ways forward identified following the results of the studies? 4. What are the challenges in sustaining project outputs? What action/s was/were taken to address these challenges? 5. What are the <ul style="list-style-type: none"> ● Lessons learned, ● Good Practices, ● Innovations, and ● Success Stories of the project? 	<p>NAMRIA-RDAB-GID</p>
<ul style="list-style-type: none"> ● Capacity building of LGUs on RS and GIS technology 	<p>What were the capacity-building or training activities and their coverage/scope provided by the project?</p> <p>What were the benefits?</p>	

	<p>Were the learnings applied or practiced by training participants in their work? In what ways?</p> <p>Were the learnings re-echoed to other key staff/personnel?</p>	
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