YEAREND ASSESSMENT AND PLANNING WORKSHOP

UNDP-GEF Supported DA-BSWM Project on the Implementation of Sustainable Land Management (SLM) Practices to Address Land Degradation and Mitigate the Effects of Drought

BUREAU OF SOILS AND WATER MANAGEMENT

December 8 to 9, 2016 Azzuro Hotel, Angeles, Pampanga

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Brief Description of the SLM Project

Land degradation in the Philippines is largely caused by the susceptibility of its soils to erosion due to the hilly and mountainous landforms in many parts of the country. The widespread clearing of forest lands in steeply sloping and rolling topography leaves the bare soil highly vulnerable to accelerated erosion of topsoil caused by heavy rainfall and consequential erosive force of water run-off. The practice of kaingin (or shifting cultivation) and other forms of unsuitable upland farming in cleared forest areas further worsens the erosion problem and loss of fertile and productive top soils. Land degradation in the Philippines is manifested by (i) the loss of productive topsoil through water erosion, (ii) loss of soil fertility due to over-cultivation, (iii) loss of vegetation cover due to illegal logging and widespread forest tree cutting, and (iv) expansion of slash and burn agriculture in critical slopes. Other kinds of degradation which cover a relatively smaller part of the landscape include (i) water logging due to poor drainage and water management, (ii) soil salinization due to over-harvesting of ground water near coastal areas, and (iii) soil pollution from excessive pesticide application and contamination by industrial and household wastes.

To address the problem on land degradation in the country, it is necessary to build a conducive environment for sustainable land management consisting of a comprehensive decision-making and monitoring compliance system at national and local levels and mobilizing the baseline programme to engineer a paradigm shift from unsustainable to sustainable land use while improving the livelihoods of farming communities. This project is focusing principally at the systemic and institutional levels, and hence strengthening of the enabling regulatory, institutional and financial framework that governs efforts to address land degradation in the Philippines. It aims to mainstream Sustainable Land Management (SLM) policies and programs into the development plans of local government units (LGUs) through the guidance of government agencies such as the Department of Agriculture (DA), Department of Environment and Natural Resources (DENR), Department of Agrarian Reform (DAR), Department of Interior and Local Government (DILG), and Housing and Land Use Regulatory Board (HLURB) to strengthen complementation among these government institutions concerned with land degradation and ensure that the incidence and spread of land degradation in vulnerable ecosystems will be avoided and/or reduced. The SLM Project is expected to improve the land productivity and socioeconomic well-being of small farmers. To achieve this, the project follows a participatory cross-sectoral approach involving all key stakeholders in project design and implementation. The promotion of SLM measures and technologies for adoption by vulnerable farming communities is the primary focus of the field investments of the project. Through the establishment of SLM demonstration sites, farmers will be able to learn and adopt various methods of soil conservation farming and water resources conservation that will improve their crop production and income.

Overview of the 2016 Yearend Project Assessment and Planning Workshop

The SLM Project supports the strengthening of SLM frameworks to address land degradation processes and mitigate the effects of drought to contribute in enhancing integrated natural resource management in the country. Toward the attainment of this goal, mobilization activities were undertaken since project inception in December 2015, consisting of consultations, partnership meetings, orientation sessions, trainings, demonstration site preparation and engagement of national specialists. To sustain collective ownership of project results by the key stakeholders, a yearend assessment and planning workshop was conducted on 8-9 December 2016 in Angeles, Pampanga, fostering a common understanding and deeper appreciation of the project's specific outputs and strategies among national and local partners. The workshop likewise assessed progress of the project to date; served as a venue for sharing tools, methods, approaches and experiences in promoting SLM; and discussed the constraints/gaps experienced in its first year of implementation, including measures to address them. Please see **Annex A for the final workshop programme**.

The assessment and planning workshop was participated in by 35 participants, representing project cooperators from national government agencies ¹(DA, DA-BSWM, DA Regional Offices, DAR, DENR), Provincial and City/Municipal LGUs of the two demonstration sites in Bukidnon and Leyte and the United Nations Development Programme (UNDP) Country Office serving as the Implementing Agency (IA) of the Global Environment Facility (GEF). Please see **Annex B for the complete list of participants**. Specifically, at the end of the two-day assessment and planning workshop the participants were expected to:

- 1. Be re-oriented about the project outcomes and respective outputs, including the indicators, baseline data and end-of-project targets
- 2. Be clarified about the duties and responsibilities of each project partner vis-à-vis the achievement of the project outcomes and outputs
- 3. Strengthen inter-sectoral coordination among partners at the national and local levels, including the setting up of the inter-agency project technical committee to ensure the technical aptness of the outputs of the Project
- 4. Have reviewed the project's accomplishments for 2016 and drafted the annual progress report
- 5. Have prepared the 2017 work and financial plan, ensuring alignment with project outcomes and outputs and addressing gaps/constraints identified thus far
- 6. Have agreed on a catch-up plan to ensure the smooth implementation of the project

The workshop adopted a participatory and interactive methodology through a combination of plenary presentations, small and large group sessions, and synthesis of discussions, allowing for constructive discourses and immediate feedback processes, which contributed to the sustained high level of engagement from the participants.

The BSWM through the leadership of Dr. Silvino Tejada as the National Project Director, Ms. Sonia Salguero, OIC-Director and Ms. Gina Nilo, SLM Project Focal Person, with the assistance of the Project Management Office (PMO), organized the workshop, while Ms. Tracy Gail Sabaldo, Bukidnon Field Coordinator of the SLM Project, served as the master of ceremonies. Mr. Rey Gerona, a project development specialist and M&E practitioner, ably facilitated the two-day workshop.

¹ Key project partners from DILG, HLURB, and DENR-FMB were unable to participate in this workshop due to prior commitments

Workshop Proceedings

I. Day 1:8 December 2016

1. Preliminaries

Ms. Feriola Serrano of BSWM led the invocation, which was followed by the singing of the Philippine National Anthem. After the introduction of participants, Dr. Silvino Tejada, National Project Director of the SLM Project, delivered his opening message. In his remarks, Dr. Tejada expressed BSWM's appreciation to all partners, especially from the project demonstration sites, for ensuring their presence despite their busy schedules to participate in the SLM Project's assessment and planning workshop. In addition, he also expressed gratitude to the UNDP Country Office for their continuing support and assistance in their role as the lead Implementing Agency for this GEF Project. According to Dr. Tejada, this workshop hoped to give further guidance in furtherance of improving project implementation and encouraged everyone to explore areas of complementation and expand networks as well as carefully assess activities and targets in fulfillment of the project's objectives. He underscored the need to stay focused on the project's yearly and end-of-project targets in order to produce the following workshop outputs: the 2016 progress report, 2017 annual work and financial plan and catch-up plan, which would be presented to the Project Board at its January 2017 meeting.

Dr. Tejada likewise signified the importance of documenting the experiences of the two project sites in Bukidnon and Leyte to inform future programming based on the lessons learned from the demonstration. He further shared the request of project site focals for an office space to facilitate coordination at the local level. Dr. Tejada also expressed hope to formalize the establishment of the project inter-agency technical committee to provide the necessary technical guidance and assist in harmonization of efforts among key government agencies. In closing, he reminded everyone to think about how the project's interventions would help increase the level of happiness of the beneficiaries of the project as a measure of the success of the project and of the institutions involved toward improving the lives of the farmer communities in the country.

On the part of UNDP, Ms. Grace Tena, Programme Associate of the Inclusive and Sustainable Development (ISD) Unit, also welcomed the participants. In her remarks, she clarified the role of UNDP as an IA of the GEF, serving in its capacity as a development partner to help mobilize resources for development programs from both bilateral and multilateral fund streams. Ms. Tena emphasized that the primary objective of the workshop is to assess the progress of the project on its first year of implementation, to determine how far the project is from achieving the end targets, what the facilitating and hindering factors are in the pursuit of its objectives, and to cull out the lessons in order to better strategize the implementation plan over the remaining period of the project. She also echoed the need to complete the 2017 AWP in a timely fashion. As the basis for the release of the funds in the coming year, the early approval of the AWP by the Project Board would help avert delays in the implementation schedule. Ms. Tena further explained that the SLM project was not being treated as a one-off initiative decoupled from other development efforts, but rather forming part of a more holistic sustainable development approach to address the bigger goal of reducing poverty in the country.

Lastly, Ms. Tena shared the ongoing development of a new SLM proposal even though this current project is still in progress. Multi-focal in nature, the new proposal aims to address both land degradation and sustainable forest management, recognizing the interconnected issues of land degradation and biodiversity loss. The approval of the concept note is expected by yearend.

Please see Annex C for the full presentation of the Workshop Rationale.

3. Overview of the Project

Taking off from the expressed need to be refreshed about the project's intended outcomes and targets and capitalize on opportunities for new revelation and insights, Dr. Gina Nilo of BSWM serving as the National Focal Person of the SLM Project, presented an overview of the three-year SLM Project.

Dr. Nilo explained the project's adherence to the framework of the United Nations Convention to Combat Desertification (UNCCD) and alignment with the GEF focal area objectives on land degradation, emphasizing the importance of strengthening SLM frameworks in the Philippines to help reduce pressures on natural resources from competing land uses in a wider landscape. She mentioned that this is the first ever grant received from the GEF for a national program on SLM so there is an expectation for the Philippines to give its best for this project, especially in light of the new project proposal in the pipeline.

It was noted that the SLM technologies have long been available but were not being applied at the local level, highlighting the need to have a harmonized institutional framework to facilitate coordination and wide adoption of SLM in relevant areas. In addition, Dr. Nilo added that SLM needs to be explicitly considered and integrated in the land use and development plans to ensure that proper SLM practices are enforced in order to maintain the country's rich agricultural resources.² Furthermore, the SLM Project will provide investments in SLM demonstration through techno-demo farm sites to showcase viability and potential for scale up to other moderately to severely eroded arable lands in the country. It is hoped that through these interventions, national and local governments would be able to allocate sufficient and regular funding for the long-term adoption of SLM practices.

In pursuit of the above, specific outcomes and outputs as enshrined in the Project Document were shown, noting a total of thirteen (13) key deliverables being expected from the Project.

Participants were also apprised of the key project stakeholders, the project organizational structure, implementation arrangements and overall budget. The SLM Project would also be engaging national specialists on SLM and soil and water conservation, CLUPs, database development and geographic information systems and capacity development for optimum results. Please see **Annex D for the full presentation of the Overview of the Project**.

Dr. Nilo likewise presented the three-year work plan, with annual targets to guide the participants on the direction of the project. From this standpoint, she reminded partners not to get distracted by the processes but to stay focused on the intended results, keeping in line as well with the agreed project timeframe due to stricter GEF policies on conditions of project extension.

On the project's financial accomplishment, the SLM Project is expected to achieve 92% delivery rating for 2016, which includes outstanding payables remaining for the month of December. This is partially attributable to the frontloading of procurement of major equipment³ to 2016.

²supplemental discussion on the misconception of application of chemical fertilizers. BSWM and the project are promoting a combination of inorganic and organic fertilizer application, particularly to address nutrient-deficient agricultural lands. Phosphorus for instance is difficult to fix and would need to be applied to improve soil nutrition for seriously phosphorus-deficient lands. Organic fertilizers are good soil conditioners.

³ CHNS analyzer and soil grinder (~PhP 6M), which are required in the implementation of activities leading to the establishment of the Land Degradation Index and monitoring system

4. Assessment of 2016 Accomplishments

A. Malaybalay, Bukidnon Project Site

Engr. Richard Leono, Supervisor of the City Agriculture Office presented a background of the project site, the activities that were conducted and the initial accomplishments of the Project Team in Malaybalay, Bukidnon Province. These included liaising with city and municipal officers in May 2016, collecting baseline information in June 2016 followed by site validation, conducting participatory rapid appraisal (PRA) in October 2016 and training the farmer beneficiaries on SLM in November 2016. The PRA in particular, validated the entry points for DA's assistance, including the need for forage cover and livestock as a component of the technodemonstration farm plan. Based on the experience from a JICA supported initiative, hedgerows were cut because no livestock were feeding on them and the plants were instead being eaten by rats.

The farmer group, Silae United Agrarian Reform Cooperative (SUARC), an agrarian reform cooperative was selected as a partner, and farmer-cooperator Ms. Rosita Adalim has agreed to the use of 3.5 hectares of her farmland in Purok 5, Brgy. Silae, as the techno-demonstration farm of the project. Representatives of the DA regional office and LGU agricultural office provided advisory services to the farmer on which of the preferred crops would thrive (including proper distancing between plants) and what SLM practices would help address the soil erosion in the area. Based on these consultations, contouring based on elevation was completed, with the farmer deciding on the crops to raise in the selected techno-demo farm site, using mixed fruit and forest trees on the ridge combined with abaca, and various high value crops in other contour lines. The initial farm plan proposed a budget of 251,000 pesos to cover the cost of the seedlings, forage, garden tools, vermicomposting set up and labor in establishing the techno-demo site. However, the primary crop of corn and the use of inorganic fertilizers necessary to address nutrient deficiencies in the soil were not yet included in the budget.

The team also reported the following bottlenecks:

- Funding for farm materials were not released delaying the establishment of the techno-demo site
- Establishment of the techno-demo farm requires additional cost to the farmer-cooperator (e.g. provision of draft animals and farmhands for labor)
- Roles and functions of barangay LGU in the project were not clearly defined
- Absence of module for the techno-demo farm
- Change in management/leadership as a result of the national elections in May 2016, both at the local and national levels

and likewise shared the following lessons and recommendations on the way forward for implementation:

- The PRA and the SLM training for barangay officials and the SUARC community enabled the project to touch base with key partner agencies working in the area, thus opening windows for partnership and ensuring complementation of efforts on the ground. For example, close collaboration with the Central Mindanao University, DAR, and DA-ATI Region 10 would help in the development of the Farmers' Field Schools SLM Modules and strengthen the provision of extension services of all partners.
- The project was also instrumental in giving a forage project to Barangay Silae, helping them to realize that a forage nursery is also a viable option.
- Linking with DA-ATI Region 10 Director Quirog enable the visit of SUARC members to a simple SLM model farm
- Recommendations cited were the need to revisit the work and financial plan; undertake the topo mapping survey immediately, briefing of the barangay LGU on the project and their role in the implementation; formalize the partnership arrangements with the LGUs to facilitate the release of funds, and with the other key DA agencies and DAR in the formulation of a training module for the techno-demonstration on SLM; maintain project's presence on the ground by holding regular activities to sustain the interest of the

stakeholders (e.g. project briefings, values orientation and team building, meetings with academic and research institutions, etc.)

Please see Annex E for the full presentation of the Bukidnon Project Team.

During the open forum, Project Director Tejada commented that 2017 is the period of full operation of the SLM Project and the participation of DA agencies such as the ATI is crucial, especially in the provision of extension services. Dr. Tejada also asked if there is a potential conflict with other farmers who are not being serviced by the project and how the project can help motivate other farmers in the area to undertake SLM in the future. He also inquired about the target number of hectares for the techno-demo farms, noting that the project may be assisting one farmer but risk losing the rest/other farmers. The Bukidnon Project Team shared Dr. Tejada's views and further added the need to involve the other members of SUARC and the barangay to sustain their interest in the project and encourage their active participation in future activities to ensure the adoption of SLM by the surrounding farmer communities. In response, Dr. Gina also replied that the project will revisit its budget and timeline to see if other nearby farms could also be accommodated to cover different elevations as well, taking into account microwatershed coverage. In this regard, she requested the Project Team to help provide cost estimates for review.

On the SLM module development, Dr. Nilo further added that the ICRAF work in Misamis Oriental may also be revisited as a potential resource, along with the initial efforts of the LandCare Program and the enhanced climate smart Farmers' Field School manual for rice and corn produced under the WB-GEF supported PhilCCAP project. On the topo mapping survey, Dr. Nilo advised the team to write to BSWM to request the conduct of the survey to ensure that the work is scheduled in early 2017.

B. Abuyog, Leyte Project Site

Ms. Nenita Sultan, Provincial LGU Rice Program Coordinator, presented a background of the project site, the activities that were conducted and the initial accomplishments of the Project Team in Abuyog, Leyte Province.

In her presentation, she highlighted the following initiatives:

- The Tadoc Farmers' Association (TaFA) was selected as the partner farmer group cooperator of the Project in Barangay Tadoc, Abuyog, Leyte. To jumpstart the activities with TaFA, the Provincial LGU of Leyte initiated a small scale composting facility in coordination with the DA under a Memorandum of Agreement (MOA) signed in March 2016. An orientation about the Project was provided by the Provincial and Municipal LGUs during the TaFA General Assembly Meeting, while the BSWM conducted soil sampling and site validation in June 2016. These initial efforts made the Project Team realize that farmers' groups were moving on their own, with little or no awareness of the programs of the LGUs.
- Even as the departure of the Project Field Coordinator, Mr. Sofio Lim, left the Leyte team momentarily detached from the SLM Project, they continued extending technical assistance and facilitating exchange of information on the ground. This enabled the TaFA members to establish the barangay nursery and started producing vermicompost for their farmlands. The farmers also began planting lakatan and other crops, which were availed from the High Value Crop Program of the DA. The Provincial and Municipal LGUs likewise provided onsite lectures and hands-on training for TaFA farmer members of targeted barangays. This approach to engage the whole farmer group was seen as an effective strategy in ensuring that farmer members who have no lands of their own also benefited from the technical assistance and were not left behind. Said training likewise enabled one TaFA member to establish a 1 hectare jackfruit demonstration farm in coordination with the DA Region 8 Office.
- The Leyte Project Team was also able to identify the Tadoc demo farm site and assisted the farmermembers, Mr. Valenzona and Mr. Julio Cain, in developing the farm plan. The project demo farm site is characterized by flooding and low productivity with zinc-deficient soil. The team noted that the water used

for the farm may also need to be tested. The farmers have selected a variety of crops for the different contour lines, including raising eggplants, which was reported as expensive in the area.

Ms. Sultan also reported the following observations:

- There was unstable commitment from the farmer members, who took an ambivalent stance due to the slow implementation of the project on the ground. Local project implementers and farmers felt hopeless in the absence of updates on the status of the Project. This could have been addressed by better information dissemination and smooth project implementation through the regular presence of personnel and officers in charge of the Project (both at the national and local level)
- Similar to the Bukidnon Project Site experience, the change in management/leadership as a result of the national elections in May 2016 was an external factor that affected the pace of implementation of the project
- The selection of Abuyog as the Project site was also a surprise for some of the local stakeholders. The LGUs opined that they would have recommended other municipalities in District 3 with worse soil fertility decline (in a state similar to chemotherapy effects), which they felt had greater need for support from the project compared to those municipalities in District 5.
- Since project activities were delayed, the Team strategized to limit the information to be shared with the farmers regarding project commitments based on the submitted AWP, which helped to manage expectations
- There is a critical need for a pool of experts, especially for organic vegetable production particularly at the municipal level, to help the farmers

For the way forward, Ms. Sultan made the following recommendations:

- Provide a re-orientation of the Project to Leyte stakeholders
- Ensure that the whole farmers' group benefits from the project even as just one farmer-member's land is being used as the demonstration site
- Complete the contouring (placing of guide sticks) at the demo farm, submit the farm plan to the SLM PMO
- Help disseminate the vacancy for Leyte Field Coordinator through UNDP
- Facilitate timely procurement of demo farm inputs and early conduct of topo mapping
- Provide values orientation and team building activities to farmers, and formulate and implement the FFS SLM module during the first quarter of 2017

Please see Annex F for the full presentation of the Leyte Project Team.

During the open forum, Ms. Tena stated the need to keep in mind the promised targets especially in crafting the 2017 annual workplan to readily see whether the project is progressing or regressing based on the commitments enshrined in the Project Document. Ms. Tena also reminded everyone about the purpose of setting up the demo sites, i.e. to demonstrate the feasibility of a mix of SLM technologies to address land degradation in order to showcase to other LGUs that these SLM technologies were viable and necessary. In the farm plans presented by the two sites, it was not clear what SLM technologies would be applied to address the specific LD issues of each site.

Dr. Nilo expressed appreciation for the comments raised and took note of the inclusion of the essential information on SLM technologies in the farm plans of the demonstration sites in Bukidnon and Leyte.

C. <u>Results of the Farmers' Profiling</u>

Ms. Feriola Serrano presented the socio-economic profile of farmers. Please see Annex G for the full presentation of the Farmers' Profiles in the Project Sites.

It was noted that this information would help in the identification of project interventions appropriate to the needs and specific circumstances of the target farmer-households, as reflected in the following observations, among others:

- Most of the farmers are owners of the farmlands they till this means that the farmers can make the decision on which technologies to be applied and what crops to be planted
- 21 years and above of farming experience these farmers may be difficult to convince requiring a different strategy or approach to encourage them to adopt SLM practices
- Household size data has an impact on the availability of labor
- Source of farming capital important to consider for sustainability of initiatives

Dr. Tejada inquired about the farmers' level of knowledge on soil erosion and what indigenous practices were being employed by the farmers to address this, noting that the two sites were mostly doing monocropping (corn) all year round, so the soil is bombarded with fertilizers. Dr. Nilo agreed that there is a need to document indigenous practices. She added that for those farmers who did not want to let go of corn, pineapples were recommended for the hedgerows as well as the combined application of both inorganic and organic fertilizers.

D. <u>Results of the Soil Sampling</u>

Ms. Bella Noceda of BSWM briefly presented the results of soil sampling done in the two project sites. Abuyog, Leyte was noted to have the following soil series: Bantog (fully drained), San Manuel (moderately well drained) and Tacloban series (well drained with moderate erosion). Bukidnon, on the other hand, has the La Castellana Series, which is well drained but with severe erosion. Please see **Annex H for the full presentation of the Soil Sampling Results**.

Ms. Tena asked for clarification on the soil series in relation to the farm plans presented, if these series were reflected in the farm plans. Mr. Florentino Agustin responded that the report on soil series was important for transferability of information, where such series can be found in other locations. The soil samples were taken from the techno demonstration sites so differences in soil series should not really matter.

Dr. Nilo then presented the general guidelines for fertility rating of soils based on accepted international standards in order to show the healthy range of values for various soil fertility factors which the project will use as benchmark. This was followed by the results of the soil analyses of the two sites. In addition to soil, the general sufficiency or optimal range of nutrients present in plant tissues, indicated if the subject nutrients found in the soil were effectively absorbed by the plants. Tadoc soil in Abuyog, Leyte was found to be highly acidic, with iron toxicity, nitrogen and phosphorus deficiency and manganese toxicity. Similarly, the Silae soil in Malaybalay, Bukidnon was found to be below acceptable values as well. Please see **Annex I for the full presentation of the Soil Fertility Rating Standards and Results of the Soil Analyses of the Project Sites**.

Dr. Nilo further explained that there are different levels of land degradation and some of these levels are no longer economically feasible to restore for agricultural purposes. Priority should be given to those levels that can still be rehabilitated, which will need to be supported to improve agricultural production. In response to Ms. Sultan's observation earlier, this accounted for the selection of Abuyog over other municipalities in the Province of Leyte.

5. End of Day 1: Synthesis

At the end of Day 1 of the Workshop, Mr. Gerona provided the synthesis. He thanked the participants for their active engagement and high level of interest in the discussions, noting the good insights shared by project stakeholders about the project's progress and manner of implementation. For Day 1, participants received a refresher course on what the project is all about, what has been produced and achieved, how much was delivered and what the team did collectively. The insights that came out also provided answers on what were missed out on, the pains experienced by the project teams, what were gained through the Project and the lessons learned over the past five months.

He explained that the next stage of the workshop will seek to answer whether all these project initiatives were still connected, aligned and consistent with the output, outcome and project objective indicators. The project results framework serves as the basis for evaluation of the project's success. During today's discussions, some of the project's activities may seem to be outside of the initial project frame of design, but the clarifications provided also gave the opportunity to re-connect and align efforts to the project's ultimate objectives. In the course of reviewing the project results framework, project activities can be re-directed and the necessary adjustments made to effectively measure progress and ensure that the project is really addressing its primary result targets. Participants were encouraged to review the presentation materials of earlier speakers in preparation for the activities of Day 2.

II. Day 2: 9 December 2016

1. Recap of Day 1

Ms. Nenita Sultan led the invocation while Mr. Gerona provided the recap of Day 1 as follows:

- Main purpose of coming to the workshop is three-fold: to assess the project's performance in 2016 (and come up with the 2016 progress report), plan for 2017 (and produce the 2017 annual work and financial plan as well as outline of the catch-up plan), and identify the members of the inter-agency technical committee or IATC (and complete the project implementation structure)
- Day 1 enabled project stakeholders to review the project's objectives and the full 3-year work plan, and to assess the accomplishments and implementation issues encountered at the national and local levels.
 - Highlights of the Project Refresher include:
 - Soils and water management of upland farmers
 - Outcome 1 on Institutional interventions for SLM develop the SLM framework, issuance of policies on SLM through a Joint Memorandum Circular among DA, DAR, DENR and HLURB and Department Order by DILG
 - Outcome 2 on SLM application baseline and benchmarking, testing of the framework; establishment of the techno-demo sites in Tadoc (to showcase SLM technologies addressing soil fertility) and Silae (to showcase SLM technologies addressing soil erosion); technology dissemination and replication on sustainable practices of soils and water management; provision of technical assistance (not capital assistance);
 - Project timeline from August 2016 to Dec 2018; potential for further funding from other development partners (JICA); new proposal on SLM for GEF 6 funding in the pipeline
 - Project Board approval of the 2016 Annual Progress Report and 2017 AWP required (January 2017)
 - o Highlights of the Assessment of Accomplishments and Implementation Issues include:
 - PMO only has 4 staff (early departure of Project Manager, Finance Assistant, Field Coordinator) but Leyte and Bukidnon Project Site Teams appear solid;
 - Profiles of farmers and analyses of soils already available;
 - Establishment of demo sites initiated (completion of contouring, farm plans drafted) but farmer cooperator-oriented instead of organizational (farmers' association/cooperative)

Mr. Gerona proceeded to provide the agenda for Day 2: revisiting the project results framework, continuing the assessment of accomplishments of other components of the project, discussing the draft work and financial plan for 2017, then further detailing the 2017 AWP and catch-up plan in the afternoon, followed by the identification of the members of the IATC.

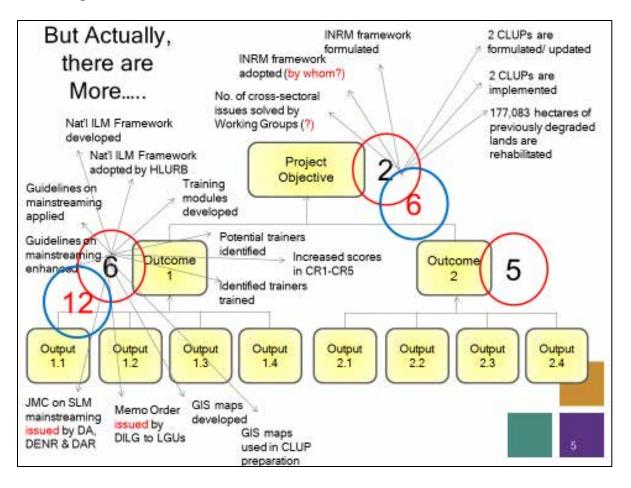
Vis-a-vis 2016 targets, status of outcomes and outputs to be examined (fully achieved, not yet achieved – ongoing/not yet started), mindful of the 92% delivery rating reported (covering actual expenditures and planned obligations / payables until the end of the 2016) against 2016 approved budget.

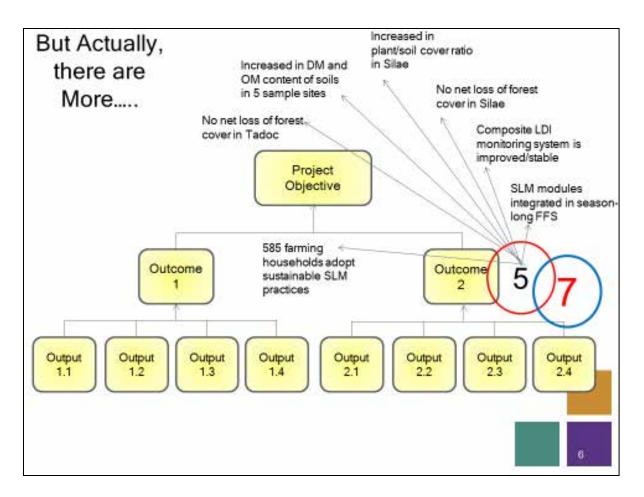
Please see Annex J for the full presentation of the Facilitator's Recap of Day 1.

2. Revisiting the Project Results Framework

Mr. Gerona explained that the next task of revisiting the project results framework seeks to establish a common understanding of the project's targets or promises, as well as to understand the relationship between targets and the project's implementation structure, emphasizing the need to match the intended results with the expected results deliverers.

The results frame provides importance to the quality of inputs and activities to produce the planned outputs. At a glance, the SLM Project promised to deliver 13 targets over a 3-year period based on the agreed Project Document. In reality, there are more, with 19 targets at the outcome level and 6 targets at the objective level. Please see figures below:





The results frame also provided information on the risks. The risks identified at the Project Objective level were as follows:

- Implementation of CLUP with SLM provisions not prioritized
- INRM applied at demonstration sites not replicated in nearby barangays

The risks identified at the Project Outcome level were the following:

- Outcome 1:
 - o Target crop yield not realized due to pests and typhoons
 - o Guidelines on SLM mainstreaming not operationalized by LGUs
 - o Issuance of Memorandum Circular/Special Order on SLM mainstreaming delayed
 - o BSWM funds for upgrading major equipment for database and GIS not available
 - 0 NGAs do not send qualified trainees (mismatched skills and mandates), leading to lack of motivation
 - Budget for implementing competency programs for LGUs not available
 - o Trained staff of NGAs assigned to different jobs or other areas of work
- Outcome 2:
 - Projected vegetative cover might not be realized due to natural occurrences like typhoons and forest fires, etc. and other activities like slash and burn and land use conversions
 - Changes in the soil erosion rate might not be realized due to natural occurrences like typhoons and forest fires, etc. and other activities
 - Difficulty in influencing the farmers in nearby farms to adopt the SLM technology showcased at the two
 (2) demonstration sites

Noting that these external factors take a toll on the budget, preventive action is necessary in order to influence these in favor of the project's targets. These risks need to be monitored, especially on the ground and as such, engaging a Project Monitoring and Evaluation (M&E) Officer is crucial to the success of the Project.

Indicator statements are monitored from the results framework to the M&E Plan, to the AWP, and to the Quarterly and Annual Progress Reports. The Project's results framework, which was agreed at the beginning of the Project, serves as the main reference of the principal stakeholders for the performance assessment and evaluation of the Project. Should there be a need to change the indicators or other aspects of the results framework, approval or concurrence of the Project Board is required to properly amend the reference framework. The PMO Team may need to be provided with project management-related training and regular assessment and planning workshops may have to be conducted in order to maintain the focus and direction among all project partners. This would imply that appropriate budget allocations for such core activities need to be included in future programming.

Please see Annex K for the full presentation of the Project Results Framework.

But prior to the actual results alignment and validation exercise, the national specialists were invited to present their ongoing efforts to implement the other components of the Project, specifically under Outcome 1.

3. Assessment of 2016 Accomplishments (continuation)

E. Integrated Land Resources Management (ILRM) Framework for SLM

Dr Candido Cabrido, the Project's specialist on Comprehensive Land Use Planning, illustrated how SLM is planned to be mainstreamed into the CLUP. It was noted that an updated CLUP is necessary in order to integrate SLM. Land use maps, both for existing and proposed land uses, must be updated and reflected in the CLUP. However, in the absence of updated CLUPs, SLM will be integrated into the Comprehensive Development Plan or CDP of target cities or municipalities, which is more sectoral in approach. Dr. Cabrido also explained that not all cities and municipalities need to consider SLM in their CLUPs since SLM is most important for those cities and municipalities that are agricultural-based.

The draft ILRM Framework for SLM is expected to be shared with the project stakeholders for validation at the end of 2016, after a series of technical meetings with the other specialists of the Project. The initial construct of the framework follows these steps: setting objectives, determining scope and limitations of land resources management, assessing the status of land resource use; defining land resources management issues and challenges, preparing the land resources development and management plan, developing the mainstreaming plan into the CLUP, and monitoring and evaluating performance of ILRM programs and projects. Entry points for mainstreaming the ILRM Framework into the DA, DENR and DAR development plans will also be identified and enabling policy instruments drafted for issuance.

This framework will then be translated into the mainstreaming guidelines (cookbook/simplified type of guidelines so that LGUs can follow it easily). In the process of developing the guidelines, coaching and mentoring will be provided to LGUs of the demonstration sites – this pilot-testing phase will assess difficulties in the application of the guidelines and will help determine what works best for LGUs. Potential investment and incentives for local adoption of SLM will also be ascertained. Modifications will then be incorporated prior to finalization and adoption by the HLURB.

Dr. Cabrido also highlighted the following:

- Role of LGUs in land resources management becomes pivotal and strategic with the localization of the
 national government agencies' functions. Responsibilities are growing and capacity building is essential to
 respond to the needs of agricultural communities
- There is stiff competition between agricultural and urban development. Several studies have projected that urban areas will grow 60-70% in the next decade, which will potentially eat up agricultural and forest lands.

In the Philippine setting, as an agricultural economy, urban areas are growing by 30-40% which is a threat to agricultural lands. Most rural areas are agriculture-driven, therefore maintaining support for agricultural production, including through balanced allocation of land across various uses, is crucial. SLM technologies need to be custom-tailored to a specific area's needs as there is substantial difference between existing and potential crops that can be planted in terms of production values.

- Gaps and barriers cited include weak coordination in program implementation on land resources management among national government agencies such as BSWM, FMB and DAR; limited knowledge of LGUs on SLM best practices and technology packages appropriate to given environmental and socio-economic conditions at the local level' lack of demonstration projects to showcase various types of effective soil and water conservation technologies in sloping farmlands (actual site demonstrations are critical to show viability and functionality of guidelines and manuals); data gaps exist for proper assessment and mapping of land degradation across the landscape; absence of national and local level frameworks for SLM mainstreaming; agricultural and forestry sector development plans and programs of many LGUs deficient on SLM measures.
- Information on slope, soil type, forest cover and others will help determine erosion rate using a model and based on different erosion classes, suitable types of crops and farming methods to use can be recommended
- The objective of SLM mainstreaming is to internalize and institutionalize land resources management for sustainable agricultural development in the CLUPs of LGUs, as part of their standard operating procedures. At present, CLUPs do not have specific land resources management measures. Mainstreaming will enable LGUs to allocate budget support for SLM programs, projects and activities. Capacity building of agricultural technicians and extension workers from LGUs is a necessary step of the mainstreaming process to equip them with planning tools and technical knowledge and skills to effectively upscale SLM at the local level. IEC activities on SLM, particularly for the smallholder farmers will likewise have to be carried out.
- At the national level, individual agency plans also need to be coordinated in managing the same land resources. Prime agricultural land maps in particular need to be updated. Providing an integrated land management framework for DA, DENR and DAR will help enable the adoption of SLM into the agencies' development and management plans. Integration of SLM in the plans and programs of NGAs fosters harmonization of efforts and widens government support and funding assistance, avoiding duplication in the process. For instance, the National Greening Program should be linked/connected to the soil nutrient program of BSWM.
- Land degradation is irreversible formation of soil, depending on the parent material, takes a long time one inch of topsoil takes a hundred years. Parent material ages and breaks down to form subsoil which further breaks down to form the topsoil. How to conserve topsoil is essential.

Please see Annex L for the full presentation of the ILRM Framework.

F. GIS Support to SLM

Dr. Dennis Muzones, the Project's GIS Specialist, is assigned to help develop the Composite Land Degradation Index (CLDI) maps for the project areas and produce the necessary SLM-related and other maps required for the integration of SLM initiatives and practices into the CLUPs. Among the CLUP required maps include analytical maps on erosion, flooding, land capability, land suitability, development constraints and others like land management units, ecological profile/biodiversity and disaster risks to complete the regular set of spatial data for CLUP development.

According to Dr. Muzones, the CLDI follows the guidelines set forth by the French Scientific Committee on Desertification and is calculated according to 3 main indicators: degradation type, extent of degradation per type and degree of degradation. He likewise presented the process flow to determine the extent of various degradation types, taking into consideration size of the area of land to be surveyed; whether the indicator of the type of degradation is visible or invisible; and if there is a relationship with the type of soil, exploitation strategy or type of land use as well as landscape pattern.

Dr. Muzones mentioned the two (2) methods to ascertain the degree of degradation: identification of soil properties that are markers of degree of degradation and that could have negative impacts on crop yields (which should be easily discernible in the field); and an assumption that a reduction in yield or in the level of land suitability of a given type of use indicates a degraded land (this is more subjective and relies heavily on statistical assumption).

To derive the CLDI, three (3) phases comprise the derivative process: database exploitation and structuring (analyzing remote-sensing images, thematic maps, topographical maps, other documents); field observations and indicator determination (type, degree and extent of degradation); and determination of the composite degradation status index. For phase 1, different "physiographic units" need to be delineated in the study areas. The formation of these units from reliable baseline data is the basis of all land assessment procedures. Unfortunately, there is no LREP spatial dataset available for the entire Leyte province at the BSWM central and regional offices and only 9 out of 27 are available at BSWM for the Bukidnon province (none on land management). The sets of thematic maps produced from the LREP varied from province to province.

Next steps for the GIS support include discussing the result of the BSWM data holding inquiry with the other specialists; reproducing and updating the physiographic basemap required by the project for the study areas; collecting, completing and understanding all spatial and non-spatial data requirements of the project; and provision of logistical support in the collection and /or derivation of required information to develop the index and maps. Dr. Muzones then shared a tool developed by Dr. Heimans, formerly of IRRI, using 30x30 SRTM maps covering climate variables (rainfall, mean temperature, etc) by quarter (coldest quarter, warmest quarter, wettest, etc) in the Philippines. This tool aims to help decision makers and planners in identifying priority areas for intervention.

Please see Annex M for the full presentation of the GIS Support to the SLM Project.

G. Land Degradation Index Development

Dr. Rogelio Concepcion is the Project's specialist on SLM and is assisting in the development of the land degradation index (LDI), which is an important tool in land conversion. Degradation will determine the economic value and if the economic value is lost, an agricultural land can be converted.

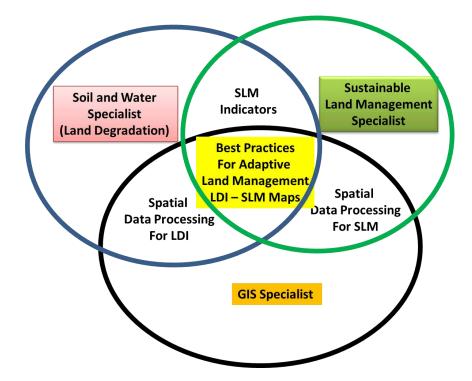
Highlights of his presentation were the following:

- There is no existing working model for LDI yet; data must be purposive
- There is a need for champion academic institutions national and local governments cannot do this by themselves, academic institutions can sustain the effort
- Inter-local cooperation is required action of one should not harm others in the locality
- LDI is a measure of mal-adaptation, showing net losses in ecosystem-wide management
- Showcase the good practices of BSWM scientists there's a lot of expertise in the bureau, do not have to reinvent the wheel and a lot of tools developed can already be mainstreamed
- Nexus approach for LDI ridge to reef approach data and information exchange is necessary (needs comparison against a common baseline)
- Periodic roundtable discussions to highlight key findings to have a common understanding of the technical information
- Natural degradation versus environmental degradation of soils natural degradation of soil refers to genetic soil degradation
- Measures to address land degradation must consider climate change climate extremes exacerbate land degradation. Hot season leads to soil crusting, which erodes during rainfall events. Effect of changes in temperature depends on the elevation. Uplands will become conducive to more crops. For instance, durian and mangosteen can be planted in addition to Arabica. However, the risk of pests and diseases also rises.

Temperature change at lower elevations is detrimental. Micronutrient deficiency in plants occurs during hot temperatures. Transposition of crop selection over time is already an indication of degradation. Soils also sequester carbon.

- Physical framework for SLM based on water flow river basin to where water flows, and watershed from where water falls
- Erosion or soil loss from upstream (cut and detach) and soil gain in downstream (catch and accumulate/deposition) are nature's way of stabilizing the angle of repose/elevation. Upstream requires deep rooted crops because of the deep level of fertility, while downstream is conducive to shallow rooted crops
- Minimum criteria for data selection for LDI based on predictors of change include: related to many key variables, predictable, easily collectible, visually recognizable in the field with potential bio-indicators, independent variable, availability of facilities, ease of access, least expensive, and stable. Initial data inputs for the LDI formulation are temperature, wind, rainfall, pedo-zones, soil, water/moisture, plants/vegetation, land use/farm management practices and carbon sequestration
- The LDI eventually can be transformed into a Resilience Index
- Awareness and understanding of the problem are both crucial in determining the training requirements for capacity development

Dr. Concepcion also presented the convergence areas of the project specialists, as shown below:



Please see Annex N for the full presentation of the Land Degradation Index Development.

After completing all presentations on project progress to date, the following questions and comments were raised:

	Question or Comment	Response
1.	Elaborate further on the physiographic units or	Physiographic units, which are the basis of the CLDI,
	maps; not only physiographic units but also	allow differentiation across data points for a specific
	land management and soil units must be	landscape, showing which side for example, of a
	considered	mountain is relatively un-degraded versus other parts

		of the same mountain that are highly degraded (Dr. Muzones)
		Physiography – full range of processes and patterns in the natural environment– whereas a unit of it
		translates this range based on changes in
		repose/elevation, with uniformity of characteristics
		to form a unit (Dr. Concepcion)
2.	On the ILRM Framework, two weeks ago	First, we need to know what the plans of DAR are as
	sometime in November, the agrarian reform	regards developing agricultural lands, because this
	policy council met and is looking at the	needs to be synchronized with other plans like the
	conversion of agricultural lands to other uses.	CLUP, we need to review the agrarian reform land
	What are the specific requirements from DAR as regards the CLUP and what is envisioned as	conversion policies and how SLM can be integrated into the agrarian reform extension services (e.g. for
	its responsibility as part of the TWG or inter-	irrigation and farming systems) (Dr. Cabrido)
	agency work under the Project	in regulion and harming systems) (Dr. Cabrido)
3.	BSWM also prepares CLUPs based on the	We need to see what BSWM does as far as CLUPs are
	request of LGUs	concerned, to review how you are integrating SLM at
		the moment (Dr. Cabrido)
		This is to clarify that it is not our mandate to do CLUPs, we can only assist in terms of integrating
		SLM into CLUPs to sustain the plans for the strategic
		areas specific to agriculture (Dr. Nilo)
		1 6 7
		For some municipalities, the CDP will be the
		preferred platform for integrating SLM. At present,
		lower level municipalities (4 th to 6 th class) will not
		have the interest to develop CLUP since it is basically urban-oriented planning. These municipalities are
		more interested in improving rural development and
		how to access natural resources of their area, which
		they consider as free resources (Dr. Concepcion)
4.	For the GIS support, what is the area of	Ideally, at the municipal level but without
	concern – barangay or municipality?	discounting the political boundaries of barangays,
		which would have implications on the socio-
	TO J J	economic data requirements (Dr. Muzones)
	If that is the case, there should be a team to	
	profile the barangays, this is timely because we	
	also need to update barangay level data	

4. Completing the 2016 Accomplishment Matrix

Mr. Gerona guided the plenary discussion to complete the following simplified accomplishment matrix for 2016:

2016 Target	Statu	IS		Remarks			
	Achieved	Not yet	РМО	Consultant	Abuyog	Malaybalay	
		-					

2016 Target	Statu	s		Activi	ties of:		Remarks
6	Achieved	Not yet	РМО	Consultant	Abuyog	Malaybalay	
Outcome 1							
1.1 Draft key elements of ILRM Framework				Dr. Cabrido – first draft prepared in Dec 2016			Report to be submitted after consultations with stakeholders
1.2 Entry points for mainstreaming SLM in CLUP identified					Updated CLUP with general elements of SLM is still in the process of approval	Updated CLUP with general elements of SLM approved by Sangguniang Panlalawigan	Note that mainstreaming of SLM means that SLM forms part of the PPA (Dr. Concepcion)
1.3							
1.4 Gaps on existing database identified				Consultant engaged (Dr. Muzones), identification of gaps initiated but still for validation by stakeholders			
1.5a Competency gaps identified			Ongoing procurement of services of a consultant				
1.5b Competency Development Guide developed							
1.6							
Outcome 2				-			
2.1 Plant/soil cover established					Mobilization phase: farm site identified and agreement with farmer cooperator secured, contouring and placing of sticks completed, farm inputs identified and budgeted	Mobilization phase: farm site identified and agreement with farmer cooperator secured, contouring and placing of sticks completed, farm inputs identified and budgeted	
2.2 Baseline of DM and			Sample soils				
OM of soils in 5 sample sites (151 ha) obtained			collected, analyzed and interpreted				
2.3a LDI of 2 project sites determined				Consultant engaged (Dr. Concepcion); Process framework			

2016 Target	Statu		Activities of:				Remarks
	Achieved	Not yet	РМО	Consultant	Abuyog	Malaybalay	
				available;			
				desk review			
				conducted			
2.3b LDI monitoring				desk review			
system developed				to assess			
J 1				availability of			
				data initiated			
				(Dr.			
				Muzones)			
2.4a SLM training					Initiated	Initiated	
modules updated					coordination/	coordination/	
					linking with	linking with	
					potential	potential	
					partners like	partners like	
					academic	academic	
					institutions	institutions	
					and ATI,	and ATI,	
					socio- economic	socio- economic	
					profiling of	profiling of	
					farmers in the	farmers in the	
					two project	two project	
					sites	sites	
					completed in	completed in	
					preparation	preparation	
					for module	for module	
					development	development	
2.4b SLM training							
modules produced							
2.4c SLM training							
modules integrated in							
the ATI FFS 2.5a 50 Households	-			_			
adopting SLM							
2.5b 2 techno demo					Mobilization	Mobilization	Need to
farms established					phase: farm	phase: farm	formalize
					site identified	site identified	partnership
					and	and	through a
					agreement	agreement	MOA with the
					with farmer	with farmer	farmer groups
					cooperator	cooperator	conduct
					secured,	secured,	technical
					contouring	contouring	briefings, and
					and placing of	and placing of	commence
					sticks	sticks	planting
					completed,	completed,	coinciding wit
					farm inputs	farm inputs	the start of
					identified and	identified and	implementatio
					budgeted	budgeted	of the FFS on
					1		SLM

5. Drafting the 2017 Annual Work and Financial Plan

Participants were grouped into two, delineated between the two demonstration sites. This session was devoted to the drafting of the 2017 AWP. Mr. Gerona emphasized that the activities to be planned for 2017 must lead to the achievement of the promised targets in the project results framework, including those activities that were not implemented in 2016 and will be carried over to 2017.

Below are the completed matrices:

A. Leyte Project Team

	Time	Line	Related Result by	Target Outco	omes Indicator	Resources Required
Main Activity/Sub Activity	Start	Finish	Completing the Activity	2016 Carry Over	2017	
2016 2.4 SLM Training modules				SLM training	110 farmers	Travelling expenses
reviewed Conduct team review workshop on SLM training module	1st wk April	1st wk April	WS Reports, budget for TEV and WS	module reviewed	trained in SLM technology	Food and accommodation during meetings Training supplies and materials
1.1 Develop WS design			WS design			materials
2017						
Conduct SLM Trainings 1.1 Identify training pax, RP	Jan	Dec.	Training reports, Budget for trainings			
1.2 Organize training venue/accom			0			
1.3 Prepare training materials 1.4 Make proposal for funds downloading	Jan.	March				
2.5 25 HH adopt SFM/SLM practices	May	Dec		25 HH adopt sustainable agri practices and integrated SFM/SLM	150 HH adopt sustainable agri practices and integrated SFM/SLM	
2017						
2 demo farm (2 cooperators) and 1 communal site for TaFA			Budget for demo sites establishment			Travelling expenses
1. Facilitate conclusion of MOA for 2 identified farmer cooperators and TaFA			Signed and approved MOA Demo_site_establishment			Demo establishment funds
- conduct regular team meeting			reports			
2. Conduct orientation/briefing to FCs and TaFA			Purchase request (PR) prepared			
3. Facilitate procurement of material inputs for 3 Demo						
4. Provide on-site coaching to FCs and TaFA						Supplies and materials
- facilitate devt, prodn and distribution of IEC materials			IEC materials reproduced, translated and distributed			Travelling expenses Food and accommodation during meetings
- conduct farmers cross visits bet. demos to demos			learning's acquired reports			Training supplies and materials
- soil and plant nutrient monitoring			soil nutrient status reports			Food and accommodation during meetings
- make presentation on monitoring results to TaFA, Mun SB			Inclusion in SB agenda and TaFA reg meetings showcase/presentation of results			
- conduct of FFS			budget for Travelling expenses			

- weekly project visitation and monitoring		monitoring reports		
5. Conduct Project Team Building Activities		TB reports		

B. Bukidnon Project Team

		Time	eline	Related Result		Outcome cator	Resources
Out	put/Major Activity/Sub activities	Start	Finish	by completing the Activity	2016 Carry Over	2017	Required
2.1	Plant/ soil cover in the agricultural land area covering 2,866 ha and forest cover in Barangay Silae				Plant/ soil cover established		
2.1.1	Facilitate pertinent documents needed to download of funds to MLGU	3 rd wk Jan 2017	2 nd wk Jan 2017	Approved letter and TOR			-
-	Draft a Terms of Reference (TOR) and letter to download the fund	^{2nd} wk Jan 2017	2 nd wk Jan 2017				-
-	Draft and submit letter to address to the NFP and UNDP	2 nd wk Jan 2017	2 nd wk Jan 2017				-
2.1.2	Distribute planting materials to SUARC members and to locals of Bgry. Silae			Distribution report			600,000.00
-	Validate the eligible sites and co-operator	4 th wk Jan 2017	4 th wk Jan 2017				12,000.00
-	Identify the planting materials and quantity to be distributed	3 rd wk Jan 2017	3 rd wk Jan 2				
-	Submit the shortlist/report to PMO for procurement	3 rd wk Jan 2017	3 rd wk Jan 2017				
-	Distribute plating materials	2 nd wk of Mar 2017	2 nd wk of Mar 2017				
2.3	Composite Land Degradation Index (LDI) monitoring system for monitoring LD is developed and in place for City of Malaybalay and Abuyog Municipality				Land Degradatio n Index determined for 2 project sites and LDI monitoring system developed	LDI monitoring system applied and improved in the target LGUs	
2.3.1	Conduct penological monitoring of the crops at the site	Mar 2017	Dec 2017	LDI Monitoring report			42,000.00
	- Formulate a monitoring system on LDI						
	- Submit the draft monitoring system to PMO & NFP						
	- Approved and adopted monitoring system on LDI						
2.3.2	Conduct visual observation of the changes of vegetations of various crops at	Mar 2017	Dec 2017	LDI Monitoring report			42,000.00

	the site						
2.4	Increased in % of SLM guidance delivered by extension services				Training modules compiled, reviewed, updated and produced	300 farmers training in SLM Technology through FFS	
2.4.1	Conduct Team Review of the Workshop on draft training modules			Minutes of the meetings conducted			
-	Conduct meeting to collate training materials/ designs from PAO, CAO, City ENRO, ATI & CMU related to SLM Project			Minutes of the meetings conducted			10,000.00
-	Conduct series of meetings to formulate workshop designs and fanalization of the shortlist of trainings for FFS on SLM	2 nd wk of Jan	2 nd wk of Jan	Minutes of the meetings conducted			30,000.00
-	Conduct workshop to develop the FFS on SLM Module	4 th wk of Feb	4 th wk of Feb	Draft SLM Module			350,000.00
2.4.2	Conduct Team Building amongst SUARC Members	3 rd wk of Feb	3 rd wk of Feb	Training reports			250,000.00
-	Prepare activity proposal to be submitted at the SLM PMO for approval	2 nd wk of Jan	3 rd wk of Feb	Signed activity proposal			
-	Ocular visit on the potential service providers during the workshop	4 th wk of Jan	4 th wk of Jan				
2.4.3	Farmer Field School on SLM			Packaged FFS on SLM			
-	Finalization of the FFS on SLM module	4 th wk of Jan 2017	2 nd wk of Feb 2017	Finalized module			10,000.00
-	Submit and package FFS SLM Module to PMO to produce	2 nd wk of Feb 2017	3 rd wk of Feb 2017				
2.4.4	Conduct FFS on SLM	4 th wk of Mar 2017	December 2017	Training reports			944,000.00
-	Draft activity proposal for the trainings	3 rd wk of Feb 2017	3 rd wk of Feb 2017				
-	Submit activity proposal to PMO and CAO for approval	4 th wk of Feb 2017	4 th wk of Feb 2017				
2.4.5	Inclusion of Central Mindanao University (CMU) to the project			Signed MOA bet BSWM & CMU			
-	Conduct a meeting with CMU faculty and present the project	2 nd wk of Jan 2017	2 nd wk of Jan 2017				5,000.00
-	Draft MOA between BSWM & CMU	3 rd wk of Jan 2017	3 rd wk of Jan 2017				-
-	Facilitate signing of the MOA	4 th wk of Dec 2017	4 th wk of Dec 2017				-
2.4.3	Procurement of the materials & office equipments to be utilized during the training and other administrative support	2 nd wk of Mar 2017	2 nd wk of Mar 2017				369,950.00 393,950.00

-	Shortlist of materials and equipments needed	1 st wk of Mar 2017	1 st wk of Mar 2017				
-	Submit proposal to SLM PMO and NFP for approval	2 nd wk of Mar 2017	2 nd wk of Mar 2017				-
2.5	Farming households adopt sustainable agricultural practices and integrated SFM/ SLM				At least 50 households adopt sustainable agriculture practices and integrated SFM/ SLM Practices	At least 300 households adopt sustainable agriculture practices and integrated SFM/ SLM Practices	
2.5.1	Memorandum of Agreement (MOA)			Signed MOA			
-	Draft MOA between the DA-10, CAO, PAO, and SUARC	2 nd wk of Jan 2017	2 nd wk of Jan 2017				-
-	Facilitate signature of the MOA	3 rd wk of Jan 2017	1 st week of Mar 2017				-
2.5.2	Unveiling of the SLM Project Techno Demonstration Site at Bgry. Silae	3 rd wk of Mar 2017	3 rd wk of Mar 2017	Launched Demo site			50,000.00
-	Draft activity proposal for unveiling activity	1 st wk Feb 2017	1 st wk Feb 2017				-
-	Write letters for the invites during the activity	2 nd wk of Feb 2017	2 nd wk of Feb 2017				-
	(Gov., Mayor, CAO, PAO, DENR, DA 10, ATI and SUARC)						
-	Distribution of the Farm Inputs and Planting materials	3 rd wk Mar 2017	3 rd wk Mar 2017				250,000.00
-	Design a signage for the site and SLM office (3 signage)	1 st of Feb	1 st of Feb				
-	Procurement of the materials for the signage	1 st of Feb	1 st of Feb				30,000.00
2.5.3	Conduct Orientation of the SLM to nearby Barangays	June 2017	November	Orientation activity reports			150,000.00
-	Design a program for the SLM Orientation (Barangay level)						-
-	Coordinate Mayor and Barangay officials to call for an assembly	June 2017	November				-
-	Determine a farm for the actual planting demonstration	June 2017	November				-
-	Distribute planting materials	June 2017	November	IEC on SLM developed and produced			-
2.5.4	Develop IEC materials on SLM for distribution (brochures, flyers and articles)						150,000.00
-	Lay out designs for the IEC Materials	1 st wk of April	1 st wk of April				-
-	Submit to PLGU, MLGU and PMO for approval and procurement	2 nd wk of April 2017	2 nd wk of April 2017				-

-	Reproduce IEC Materials	2 nd May 2017	2 nd May 2017		-
-	Make a generic presentation about soil erosion and SLM technologies to nearby Barangays and Municipalities	2 nd wk of April 2017	2 nd wk of April 2017		-
2.5.5	Conduct Monitoring on the changes related to Soil Erosion	April 2017	December 2017	Monitoring on Soil Erosion reports	42,000.00
2.5.6	Conduct Learning Expedition & knowledge sharing activity between the demo site groups and between Bukidnon pilot sites and other non pilot sites	June 2017	August 2017	Learning expedition reports	
-	Learning Expedition of the Bukidnon Project Team and selected members of SUARC to Abuyog Leyte	July 2017	July 2017		416,000.00
	• Draft and submit proposal to PMO and CAO for approval	June 2017	June 2017		
	Coordinate Leyte Project Team for the activity	June 2017	June 2017		
2.5.8	Learning Expedition of the farmers to successful learning sites in Bukidnon Province	August 2017	August 2017		112,500.00
-	Identify a learning sites in Bukidnon to be visited	July 2017	July 2017		
-	Draft and submit proposal to PMO and CAO for approval	July 2017	July 2017		
	TOTAL				3,889,450.00

Dr. Concepcion also reminded the Project to diligently monitor transfer of technology on the ground, including accounting what part of the technology is acceptable. If this automatically becomes part of the exercise, operations become smooth and results will be sustained.

Ms. Jacqueline Julia Lagamon of the Provincial Office of Bukidnon felt that the Team did not accomplish anything substantial for 2016 due to reasons beyond their control. For 2017, the support of the DA and project management must be strengthened to ensure that the project is progressing as planned and activities on site are carried out. Factors leading to inability of project sites to immediately start must be addressed. This include the unavailability of funds for project teams. FAO for instance did downloading of funds to local partners. The Leyte Team agreed and also proposed downloading of funds to the municipal LGU of Abuyog. A trust fund can be established, and the partnership sealed with a Memorandum of Agreement between DA-BSWM and the Mayor.

Dr. Nilo replied that the external factors (such as changes in leadership) were also applicable to DA and project management team and expressed hope that these will normalize in 2017. She also proposed that the Project Teams draft the TOR and MOA.

Mr. Gerona rejoined to explain that the weaknesses of one, even the strengths of one, are also the weaknesses and strengths of all. To mitigate, mechanisms like frequent meetings should be instituted. Local project teams have clear team leaders and members are likewise clear on their respective roles. Team building activities will further enhance collaborative work and promote effective communication. The matrices and comments gathered from this session will be consolidated by the BSWM PMO, together with the inputs of the specialists, into the final 2017 AWP, for the approval of the Project Board in January 2017 and subsequent submission to UNDP. Please see Annex O for the final draft of the 2017 AWP.

6. Establishment of the Inter-Agency Technical Committee (IATC)

Mr. Gerona facilitated the plenary discussion to identify the member-institutions of the IATC, as follows:

- A. IATC members for Outcome 1
 - Housing and Land Use Regulatory Board
 - Department of Agrarian Reform
 - National Commission on Indigenous Peoples
 - NEDA Agriculture Staff

B. IATC members for Outcome 2

- Visayas State University
- Central Mindanao University
- Northern Mindanao Agricultural Crops and Livestock Research Complex Region 10
- Northern Mindanao Integrated Agricultural Research Center
- Eastern Visayas Integrated Agricultural Research Center Region 8
- BSWM Research Center
- Department of Agrarian Reform
- DA Agricultural Training Institute
- Provincial Agricultural Office

The IIRR, PRRM, UPLB, FMB and BSWM will continue to serve as members of the Project Board.

Dr. Concepcion added that the meetings should also jive with capacitation work – new data comes in, new training provided, new discussions opened for continuity of effort. This will be a prime opportunity for coaching sessions. The sensitivities of offices at the local level, especially of the local chief executives, should also be recognized and respected in instituting any arrangements related to the project.

Dr. Nilo will present the above proposed membership and terms of reference of the IATC to the Project Board, for approval. BSWM will then formally communicate and send follow-up letters to the designated memberagencies to provide their permanent and alternate representatives to the IATC. Benefits accruing to the participating agencies from this inter-agency partnership will also be raised during the Project Board Meeting (e.g. access to information, database system infrastructure lodged with academe, transportation allocation, etc). It is also envisioned that the IATC will evolve into an SLM Task Force with regular annual budget allocation from the Department of Agriculture.

7. Culmination of the Workshop

Dr. Cabrido noted that the project is now moving forward, which poses a challenge to the specialists to work at a faster pace, hoping that the deliverables can be submitted by early next year.

Dr. Muzones commended the entire group and expressed gladness that things have become clearer for 2017. He joins everyone in praying for good health and energy to surpass next year's challenges.

Dr. Concepcion said he was very encouraged by the active participation and is looking forward to working closely with everyone.

The Leyte Team requested transparency to retain the respect for each other.

The Bukidnon Team conveyed that they were not expecting long hours of work during the workshop but nevertheless appreciated the information and lessons shared and considered it a valuable activity worth the long travel from Mindanao. The team is also anticipating that these assessment and planning workshops will become a regular activity of the Project.

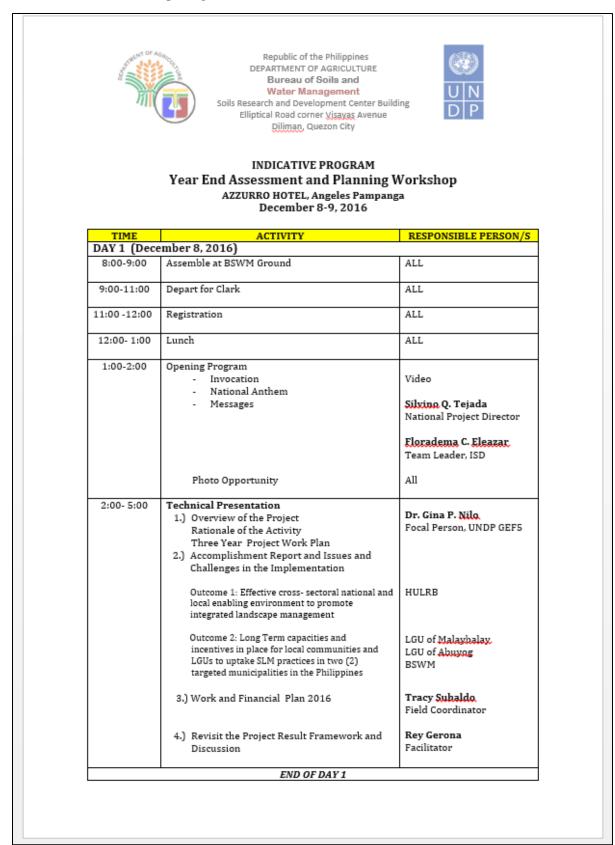
Dr. Nilo thanked the participants on behalf of the principals, expressing joy at seeing how the project has progressed since the Inception. She expressed her appreciation for the commitments made by the stakeholders as articulated through feedbacks received during the discussions, proving that the Project is indeed one family. Dr. Nilo also thanked the NGAs and the consultants who are also the mentors of SLM practitioners in the country and conveyed her hope for the Project to be able to maximize their presence and engagement. Dr. Nilo likewise acknowledged the BSWM family and the partners on the ground who serve as local champions. Recognizing the high volume of tasks ahead, she enjoined other BSWM divisions to help facilitate the smooth implementation of the Project. She also gave recognition to the PMO, especially to Mayette Oamil and Tracey Subaldo for being ever reliable and for multi-tasking to deliver the requirements. Dr. Nilo equally showed gratitude to Mr. Gerona for agreeing to facilitate the workshop on such a short notice and to Ms. Feliciano for providing documentation services. She concluded the workshop with a prayer for guidance and strength to face the challenges of the coming year.

List of Annexes

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Annex G:	Farmers' Profiles in the Project Sites
Annex H:	Soil Sampling Results
Annex I:	Soil Fertility Rating Standards and Results of the Soil Analyses of the Project Sites
Annex J:	Facilitator's Recap of Day 1
Annex K:	Project Results Framework
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Annex N:	Land Degradation Index Development

Annex O: Draft 2017 AWP of the SLM Project

Annex A: Workshop Programme





Republic of the Philippines DEPARTMENT OF AGRICULTURE Bureau of Soils and Water Management Soils Research and Development Center Building Elliptical Road corner <u>Visayas</u> Avenue Diliman, Quezon City



8:30-9:00	Recap of Day 1	Rey Gerona Facilitator
9:00-10:30	Update and Deliverables - Comprehensive Land Use Plan Specialist - Database Development and GIS Specialist - Sustainable Land and Water Management Specialist	Consultants
10:30-12:00	Work and Financial Plan 2017 (draft for discussion)	Rey Gerona Facilitator
12:00-1:00	LUNCH	

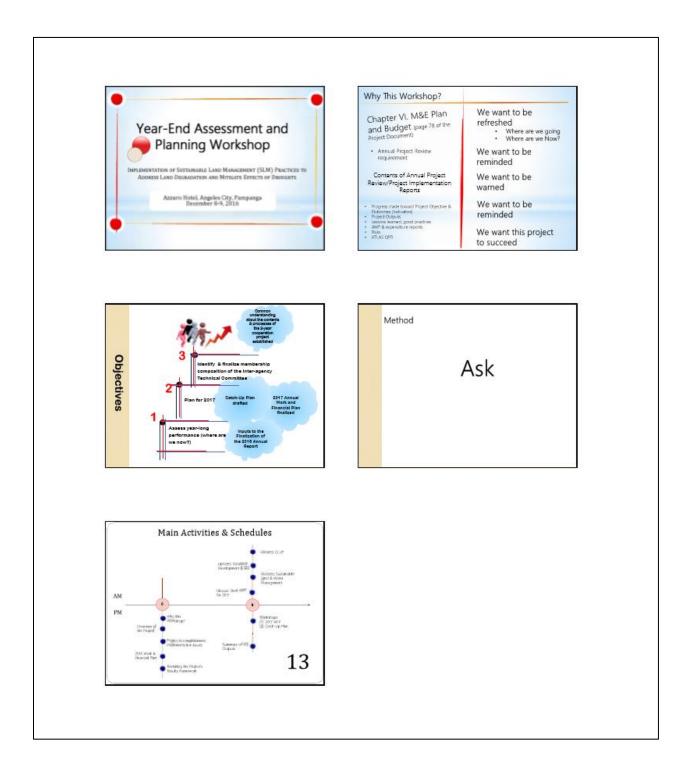
1:00- 3:30	Workshop - Work and Financial Plan 2017 - Catch up Plan	
3:30 - 5:00	Presentation of Workshop Output	
5:00-5:30	Closing Program	
	- Impression	Participants
	- Closing Message	Grace Tena Programme Associate
	- Thanksgiving Prayer	Dr. Gina P. <u>Nilo.</u> Focal Person UNDP GEF5

NAME OFFICE DESIGNATION 1 Dr. Silvino Tejada BSWM Project Director Ms. Grace Tena UNDP – ISD Unit 2 Programme Associate Dr. Gina Nilo BSWM SLM Project Focal Person 3 4 Ms. Adamar Estrada DA SPCMAD Ms. Angelita Martir DA SPCMAD 5 Ms. Evelyn Valeriano DA SPCMAD 6 DA SPCMAD 7 Ms. Josefina Venturanza Mr. Joey Sumatra DAR - Bureau of Land Tenure Assistant Director 8 Malaybalay - CAO 9 Ms. Lucell Pancho Carpentero Agricultural Technician 10 Ms. Jacqueline Julia Lagamon Malaybalay - CAO Assistant Provincial Agriculturist Ms. Roxanne O. Gamo Malaybalay - CENRO 11 12 Mr. Richard Leono Malaybalay - CAO Supervisor - Planning Division 13 Mr. Virgilio Ocona Soria, Jr. Leyte - MENRO Ms. Dina Pitao Leyte - PAO 14 Agriculture Focal Person 15 Ms. Nenita Sultan Leyte - PAO Chief, Provincial Rice Program Coordinator 16 Ms. Evangeline Garing Leyte - PAO 17 Ms. Antonieta Casamis Arandia Leyte - MAO 18 Mr. Florentino C. Agustin BSWM - Dalwangan Supervising Science Research Specialist 19 Mr. Henry A. Apolinares BSWM – Dalwangan Center Chief, Bukidnon Mr. Alberto A. Salaum 20 BSWM – Dalwangan Supervising Operations Division BSWM - Soil Conservation Mr. Kirby Mallari 21 Ms. Feriola Serrano BSWM - ALMED 22 Ms. Bella Noceda 23 BSWM - Soil Survey Ms. Amy Yambot Soil and Water Research 24 25 Ms. Luz Arvizo BSWM – Admin and Finance Accounting Section Ms. Amelia Cabrera BSWM – Admin and Finance 26 Accounting Section 27 Mr. Bernardo Pascua **BSWM** - Geomatics 28 Ms. Tracey Subaldo SLM Project Management Office Field Coordinator - Malaybalay 29 Ms. Marietta Oamil SLM Project Management Office Admin and Finance Assistant SLM PMO Consultant Dr. Rogelio N. Concepcion SLM Specialist 30

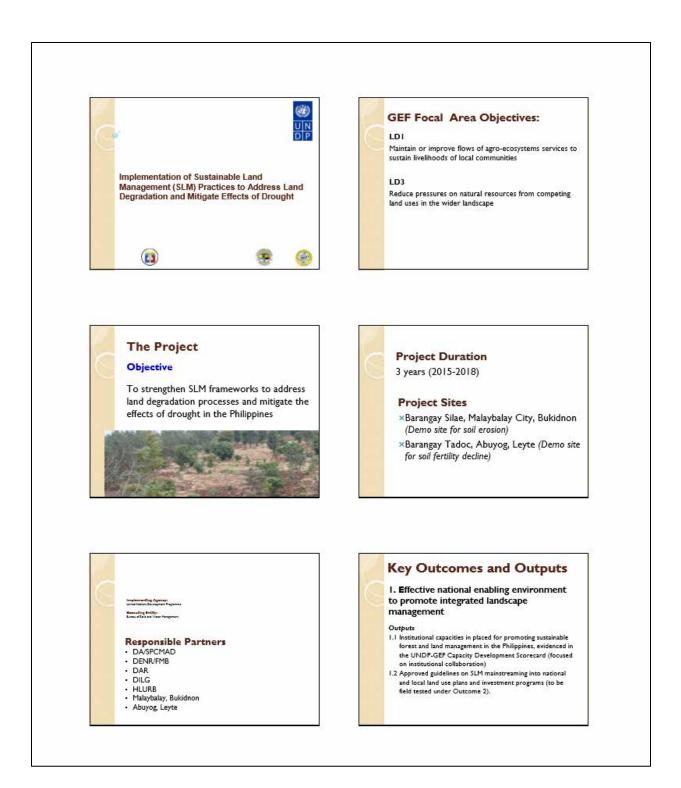
Annex B: List of Participants

#	NAME	OFFICE	DESIGNATION
31	Dr. Candido Cabrido, Jr.	SLM PMO Consultant	CLUP Specialist
32	Dr. Dennis Muzones	SLM PMO Consultant	Database GIS Specialist

Annex C: Workshop Rationale



Annex D: Overview of the Project



Key Outcomes and Outputs

I. Effective national enabling environment to promote integrated landscape management

Outbuts

- 1.3 Information management system to support SLM integration into LGU's development plans and improving informed land use allocation decisions
- 1.4 Training-of-trainers from BSWM, DA Regional Offices, DENR and DAR and the PAOs and MAOs/CAOs capacitated in training extension officers from the LGUs in promotion of SLM practices and technologies

Key Outcomes and Outputs

2. Long term capacities and incentives in place for local communities and LGUs to uptake SLM practices in two (2) targeted municipalities in the Philippines

Outputs

- 2.1 Comprehensive Land Use Plans(CLUPs) updated/revised for targeted City and Municipality with serious LD issues
- 2.2 SLM best practices implemented in target City and Municipality

Key Outcomes of the Project

2. Long term capacities and incentives in place for local communities and LGUs to uptake SLM practices in two (2) targeted municipalities in the Philippines

Outputs

- 2.3 National and LGU extension services capacitated to incorporate SLM to LD and drought risk areas and deliver targeted support to targeted City and Municipality and farmers with similar agricultural threats
- 2.4 Secure additional finances for SLM investments and align existing financial contributions in the forestry and agricultural sectors to support SLM practices in at least two selected municipalities.

Key Stakeholders

- × Farmers organizations downstream beneficiaries of the project
- BSWM lead agency for the SLM project
 DA-SPCMAD the mandated unit of DA in the provision of M&E support to the project, will conduct performance and financial review in accordance with the requirements of the donor agencies and the DA.
- DENR-FMB planning and implementing forest conservation policies and programs

Key Stakeholders

- ×DAR implements the country-wide program on land distribution and corresponding support services to agrarian reform beneficiaries
- ×DILG supervising LGUs, issuing policies, and monitoring and evaluating their progress and development, among other functions
- ×HLURB issuing guidelines for the preparation of CLUP by cities and reviewing the quality of their plans aside from their legal and program development functions

Key Stakeholders

×PAOs & MAOs - preparing and implementing agriculture sector development plans and programs aside from providing extension services to farmers

- ×NGOs and academic and research institutions - resource persons in SLM training and documentation of best practices
- ×UNDP Manila implementing agency of the GEF and is responsible in facilitating the development, review and submission of projects for GEF financing

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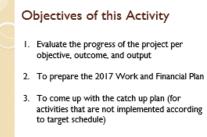
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Co-fina	ncing/Budge	et
Government		
	DA-BSWM	2,659,240.00
	DENR	700,000.00
	HLURB	374,575.00
MALAYBAI	AY, BUKIDNON	582,462.00
	ABUYOG, LEYTE	986,875.00
	Subtotal	5,303,152.00
UNDP		500,000.00
GEF		870,900.00
	Subtotal	1,370,900.00
т	TAL BUDGET	6,674,052.00

RATIONALE



4. To revisit and discuss the Project Results Framework

Objectives of this Activity

- Evaluate the progress of the project per objective, outcome, and output
- 2. To prepare the 2017 Work and Financial Plan
- To come up with the catch up plan (for activities that are not implemented according to target schedule)
- 4. To revisit and discuss the Project Results Framework

Project Outcome		ar Proj ^{Baseline}	ect W	ork Plan
Indicator/s of Outcome 1	Year	Quantity / Quality	2016 Target	End of Project
An Integrated Land Management framework incorporating SLM practices and technologies	2015	mainstreaming CCA – DRR and biodiversity	of the Integrated Land Management Framework identified	Integrated Land Management Framewo completed and entry points to mainstream th Framework in DA, DEN Framework in DA, DEN DILG, DAR and NEDA identified Draft policy issuance of the Integrated Land Management Framewo

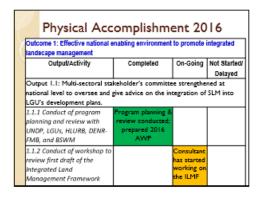
	1	Baseline		
Project Outcome Indicator/s of Outcome 1	Year	Quantity / Quality	2016 Target	End of Project
Enhanced CLUP guidelines to mainstream SLM	2015	procedural guidelines on	identified	

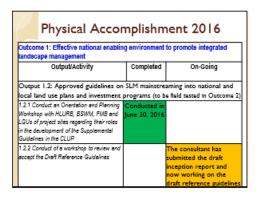
		Baseline		
Project Outcome Indicator/s of Outcome 1	Year	Quantity / Quality	2016 Target	End of Project
Relevant policy issuance for the mainstreaming of SLM in local land use including forest land use and development planning processes	2015	Pledge of commitment signed by DA, DAR and DENR in support to the implementation of the National Action Plan to Combat Desertification, Land Degradation and Drought (NAP-OLDD		ssuance of Joint Memorandum Circula or Special Order on SLM mainstreaming b DA, DENR and DAR Issuance of Memorandum Order of Administrative Order (SLM mainstreaming b

Project Outcome	E	Baseline		
Indicator/s of Outcome 1	Year	Quantity / Quality	2016 Target	End of Project
Data base and	2015	Existing LADA	Identified	Developed a GIS-based
decision support		web portal	gaps on	LADA maps incorporating
information system		with maps at	existing	SLM practices and
operational and		national and	database and	technologies with
accessible to LGUs		regional	other relevant	information/maps
		scales	data sets	accessible and relevant to
			determined	CLUP preparation of LGUs

Thre		ear Proj	ject Wo	ork Plan
Indicator/s of Outcome 1	Year	Quantity / Quality	2016 Target	End of Project
Competency development program for LGUs on SLM technology application and mainstreaming developed and implemented	2015	scientist from BSWM, DA Regional Offices, DENR and DAR lacked	Competency gaps identified Competency development program guide developed	Training of SLM practitioners by the MAOs, ATI extension workers, DA-BSWM and DENR on SLM technology applications conducted

Project Outcome		Baseline	2016	
Indicator/s of Outcome 1	Year	Quantity / Quality	Target	End of Project
Increase scores of Indicators of the Dilowing capacity results In the Capacity Development Scorecards of DA- BSIVIM, DENR-FIVE and HLUNE from the start-up of Project	2015	Average capacity scores for DA-BSWM Socies 10 Socies 10 Socis 10 Socies 10 Socies 10 S		Allward on nametic increase in 5 appells wake (pR1-CR2) with the tellowing with a high access of 3 in the following indications, holders 4, 8, 7 and 13 Allward an average increase in 5 appells made by 2016 a 25 or CR3+ARIE with high access of 21 a bit following indications, holders 1, 4, 5, 10 and 12 Allward an average increase in 5 appells access of 21 a 3 in the following indications, holders 1, 10, 11, 12 and 14 (1





Dutcome 1: Effective national enabling e	nvironment to promote
integrated landscape management	
Output/Activity	On-going
Output 1.3: Information management s integration into LGU's development pla land use allocation decisions.	
1.3.1 Conduct of workshop to review and accept the report on Competency Gaps Assessment in SLM technology application	
1.3.2 Conduct of workshop to review and accept the Competency Development Guide Program	

Physical Accompli		
Outcome 1: Effective national enabling environm management	ent to promote int	egrated landscape
Output/Activity	On-going	Not started/ Delayed
Output 14. Trainte-of-rainers from BSWM, DA 8 PAOs and MAOUCAO's conscittated in training suite aromotion of SLM eracticss and technologiss 1.4.1 Conduct of review of existing data base and other relevant data sets	The consultant h	ehe LGUs In as submitted the and is working on sting database and
1.4.2 Conduct of workshop to review the report on the gaps on existing data base and other relevant data sets submitted by the GIS and Database Specialist consultant		e report on the gaps ase and other

Physical Acco Outcome 2. Long term capacities and in LGUs to uptake SLM practices in two (2)	centives in plac	e for local com	munities and
Output/Activity	Completed	On-going	Not started/ Delayed
Output 2.1: Comprehensive land use plans (CLUPs) updated/revised for targeted city and municipality with serious LD issues			
Output 2.2: SLM best practices implem	ented in target	<i>.</i>	ipality
2.2.1 Site visits for collection of baseline information		Soil and plant samples were collected and now being analyzed at BSWM	

Physic	al Accoi	mplishi	ment 2	016
Outcome 2. Long term LGUs to uptake SLM p				
Output/Ac	stivity	Completed	On-going	Not started/ Delayed
Output 2.2: SLM best	practices impleme	ented in target	city and munic	ipality
2.2.2 Conduct of wo. review and finalize the Degradation Index a monitoring system	he Land			This activity will no longer be done due to limited speakers regerding LDI
2.2.3 Conduct of wo review and finalize th monitoring system			The consultant is on-board and now preparing the inception	

Outcome 2. Long term capacities and in		
LGUs to uptake SLM practices in two (2) Output/Activity		he Philippines Not started
	· ·	 Delayed
1.7	ricultural threa	Hiring of CanDev
1.7	ricultural threa	
2.3.1 Conduct of inventory of existing SLM modules from the various agencies and to	ricultural threa	Hiring of CapDev and Training
2.3.1 Conduct of inventory of existing SLM modules from the various agencies and to	nicultural threa	and Training Specialist has bee
2.3.1 Conduct of inventory of existing SLM modules from the various agencies and to	ricultural three	and Training Specialist has bee delayed due to differences in
municipality and farmers with similar ag 2.3.1 Conduct of inventory of existing SLM modules from the various agencies and to revise and update the modules 2.3.2 Departmentor of SLM updates that with	ricultural three	and Training Specialist has delayed due to
2.3.1 Conduct of inventory of existing SLM modules from the various agencies and to revise and update the modules	ricultural three	and Training Specialist has be delayed due to

	entives in place for local communities and targeted municipalities in the Philippines
Output/Activity	On-going
Output 2.3: National and LGU extension LD and drought risk areas and deliver ta municipality and farmers with similar ag	
2.3.3 Conduct of meeting on DA regular programs support for farmers adopting SLM technologies in the 2 project sites	Meeting between DA-RFO and field ocordinators was conducted. However, DA-RFO proposed to have a Rapid Assessment Activity to determine the needs of farmers.
2.3.4 Establishment of Techno-Demo Farms and Training on Farm Planning with SLM technologies in the 2 project sites	Soil samples are being processed at BSWM. Soil characterization is necessary for the development of the farm plan.
	The Techno-demo farms are already planted with regular crops by the farmers but its

Physical Accomplishment 2016

Outcome 2. Long term capacities and incentives in place for local communities and LGUs to uptake SLM practices in two (2) targeted municipalities in the Philippines

 Output/Activity
 Not Started/Delayed

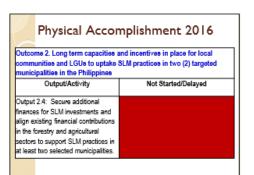
 Output/Activity
 Not Started/Delayed

 Output 2.3: National and LGU extension services capacitated to incorporate
 SLM to LD and drought risk areas and deliver targeted support to targeted

 SLM to LD and drought risk areas and deliver targeted support to targeted
 Support to targeted

 SLM to LD and drought risk areas and deliver targeted support to targeted
 The Soil Conservation Division of

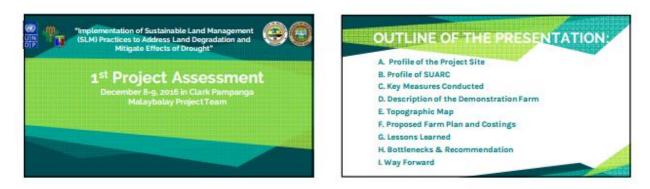
 Assistance to attendees to the Training on Farm Planning in their farm SLM adoption and Monitoring of Techno Demo Farms
 The Soil Conservation Division of

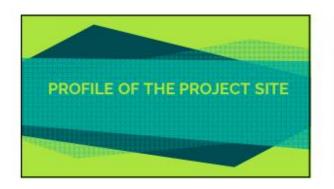


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	1.2	22,380.51	9,376.11	3553.03	9,451.37
	1.3	29,419.20	17,481.30	4609.93	7,327.97
	1.4	318.18			318.18
ште	OME 2	118,785.81	15,073.51	114,094.25	(10,381.95)
	2.1				
	2.2	72,023.18	10,931.94	111928.47	(50,837.23)
	2.3	46,762.63	4,141.57	2165.78	40,455.28
MO		25,333.00	12,352.01	3,208.37	9,772.62

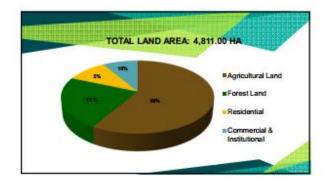


Annex E: Presentation of the Bukidnon Project Team





Barangay Profile:	- Vint
 Bgry. Silae is found in the Eastern part of Malaybalay City; 	6 7 15-
 It is bounded in the North by Bgry- Mapulo in the South by Bgry- Delecutar of Cabangleann, in the East by Upper Pulangi River and in the West by Mount Freedom of the Municipality of Cabalasan; 	5-7-7-50
 Climate is coal and temperate favorable for Agriculture; 	Milling
 Composed of 8 Puraks with 489 households 	



MERCINA

We envision Silae as a barangay with rich, diverse and Indigenous cultures of god-loving and self-reliant commanity in a sustained agriculture-based economy and a well-managed command old growth forcest within an ancestral domain territerial jurisdiction governed by active, dynamic and progressive leaders.

MISSION:

In order to achieve this vision, we, the people of Barangay Silae guided by the active and responsible leader, and in collaboration with private sector, seek to address all sectoral issues in education, health, nutrition, poser and order, youth and sports, infrastructure, economic and environment as well as administration and governance.

It is our desire and hope that we will be moving towards economically improved communit and total human development.

Economic	Institutional	Infrastructure
 Increase agricultural production and family income Farm to Market Reads 	Intensify tax collection Capability building for BDC members Enact	Road rehabilitation Increase productivity of farmers Establishment/Development of possible potable water source Construction of agr care centers Construction of BPSO outposts Construction of BPSO outposts Construction of MPDPs Construction of RIC Office
 Provide livelihood projects 	ordinance to regulate land conversion	Establishment of irrigation system Establishment of rice and corn mil Construction of additional classrooms



Project Recipient

Silae United Agrarian Reform Cooperative (SUARC) Date of Registration of the Cooperative Name: October 8, 2012 Located at Purok 2, Silae, Malaybalay City

- Category: Primary
- An Agricultural Cooperative
- 41 Active Members

VISION:

Financially Stable Cooperative

MISSION:

To improve the socio - economic condition of the members by making available goods, services and facilities that will increase agricultural production

d Agrarian Reform Cooperative (SUARC)

GOAL

Through unity and self- reliant members in the cooperative can achieve an efficient future form generation to generation

as United Agrarian Reform Cooperative (SUARC)

OBJECTIVES:

To encourage thrift and savings mobilization among the members for the cooperative;

Silas United Agrarian Reform Cooperative (SUARC)

- To provides goods and services and other requirements of the cooperative;
- To engage in the supply of production inputs to members, non members and market their products;
- To engage in consumers and marketing services;
- To promote the cooperative as a way of life for improving the social and economic well being of the people; To work with the cooperative movement, non government and
- government organization/entilies in the promotion and development of cooperatives and in carrying out policies.



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2. Banana Chipper	iunt	2015	DAR	110	Functional
3 Maniey Tractor	1 unit	2015	DAR	-	Functional
4. Thatlier	1 unit	2015	DA S	1	Functional
5. Com Shelker	1.011	2015	DA		Purctional
8. Rice Thresher	1 unit	2015		1000	Functional









ACCOMPLISHMENTS:

OUTCOME 2: LONG TERM CAPACITIES AND INCENTIVES IN PLACE FOR LOCAL COMMUNITIES AND LGUS TO UPTAKE SLM PRACTICES IN TWO (2) TARGETED MUNICIPALITIES IN THE PHILIPPINES

- Courtesy Call with: Mr. Henry Apolinares, Chief of BSWM Dalwangan Research Center, Bukidnon
- Engr. Alson G. Quimba, Provincial Agriculturist of Bukidnon
- Ms. Remedios Sarzuelo, City Agriculturist of Malaybalay Hon. Jose Maria R. Zubiri, Governor of Province of Bukidnon
- Courtesy Call with Dir. Constancio Maghanoy Jr. (RTD for Research & Regulations)















SITE V.	ALIBATION REPORT	
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 OPERATIONS and internation Psychological and an and the area shown depended as searching in the field stop 	But owned associates balance places that he confidence	
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	Pineapple	944	
14	Preselo	33	
	Parapple	360	
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	Panggle	300	
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14	Finanio	C4.7	
	Paragate	125	_
1	Kalananya	100	
	Pinespie	968	
3	Passedo	43	
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ACCOMPLISHMENTS

 Joined and presented the project at the Regular Meeting of the Municipal Agriculture Offices of Bukidnon Province;

Participated in the Provincial Agriculture Office activities and promote the project;

Done sticking for the initial establishment of contouring;

ACCOMPLISHMENTS

Published article regarding the SLM Farm Planning Activity to the Department of Agriculture newsletter "Aggies" and "Facebook" page.

Established Linkages with NMACLRC, ATI 10 & CMU

Initial Orientation of the Forage Technology and field visit at the national artificial breeding center at Malaybalay Stock Farm. c/o Northern Mindanao Agricultural Crops and Livestock Research Complex (NMACLRC);

To include Bgry. Silae as one of the Forage Technology Development and Techo Demonstration Establishment on 2017 under the project of (NMACLRC);

ACCOMPLISHMENTS

DAR commit cost sharing on the trainings/ meeting of the project to be conducted at the site

Collaboration with Central Mindanao University (CMU) to the project on the formulation of the Farmer Field School Module, trainings and monitoring of the activities

LESSONS LEARNED

 Project implementation has been delayed as planned during the planning workshop last February 2016 at Angeles, Pampanga,
 Availability of funds from program

management to conduct training, establish the

demo farm, procure supplies and materials, etc

3. Preparation of the field demo area 4. Release of funds for the project to start as

planned

BOTTLENECKS ENCOUNTERED

1. Additional Cost for the cooperator to establish the demo farm (Draft Animals, Farm Labor)

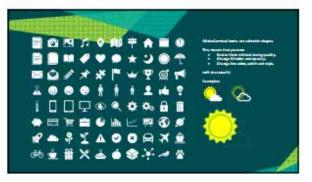
- 2. Planned schedule of activities were not followed
- 3. Role and function of Barangay LGU was not defined
- 4. Unavailable Module for the demo farm (FFS on SLM)

RECOMMENDATIONS

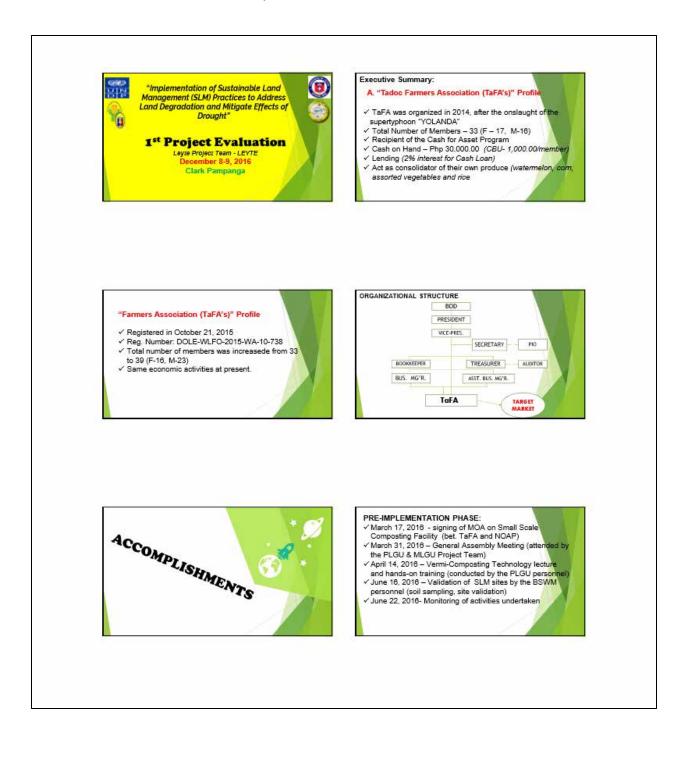
- 1. Revisit work and financial plan
- 2. The LGU implementer (Malaybalay City Project Team) will brief the BLGU on the project implementation 3. Link with the ATI and all other projects implementing SLM in
- the formulation of Training module for the demo farm.

MANY	FORWARD	
DATE	ACTIVITY	RESPONSIBLE PERSON/ GROUP
Dec. (2 rd wk) 2016	Project Briefing to the community	Malaybalay Project Team
Dec. (2" wk) 2010	Values Grientation and Team Building	ALL
Jan (2 nd wk) 2017	Meeting with Central Mindanao University for collaboration in extension service	Malaybalay Project Team & PMO
Jan. (2 nd wk) 2017	Topographic Mapping Survey	BSWM Soil Con Division
Jan. (4th wk) 2017	Formulation of Former's Field School (FFS) Module on SLM	Molaybalay Project Team (ATL CMU, selected SUARC Members, NMACLEC BSWM, UNDP)
March 200	Implementation of the FFS-SLM Module	ALL





Annex F: Presentation of the Leyte Project Team







RECOMMENDATIONS

- ▶ Re-orientation of the project
- Realization of the targeted activities

SLM Project Implementation in Brgy. Tadoc, Abuyog Leyb

Dec 8-9, 2016	Project Evaluation	Loyte Project Team
Dec: 11, 2010	Continue contour of staking at the Demo Farm	TEFAS
Clec:12, 2010	Submission of Fears Plan to SLN Peoject Management Office (PND)	Piopect Coordinator
Jan. (T* ok)	Dano Fam lipols Procurements	
Jast (2" w8)	Projectioneling to the community	Loyte Project Team
Jan. (3r wk)	Topographic Mapping	BSWW Soll Con. Division
Jan. (4 th wk)	Values to Orientation' Team Building	Leyte Project Team
Fwb 2017	PTS Module Pormulation	Bakkinse & Lepte Project Team (AT), CMU & VSU, selected Farmer Members, NMACLRC, BSWM, UNOP)
Merch 2017	Start of SUM Fermiers' Flekt School (FFS) Module Formulation	ALL

Annex G: Farmers' Profiles in the Project Sites

$\frac{\text{Project Site Characterization}{(Agro-socio Economic)} = \frac{\frac{1}{100} \frac{1}{100} $		Farmers' Profile, Silae, Malaybalay, Bukidnon, 2016
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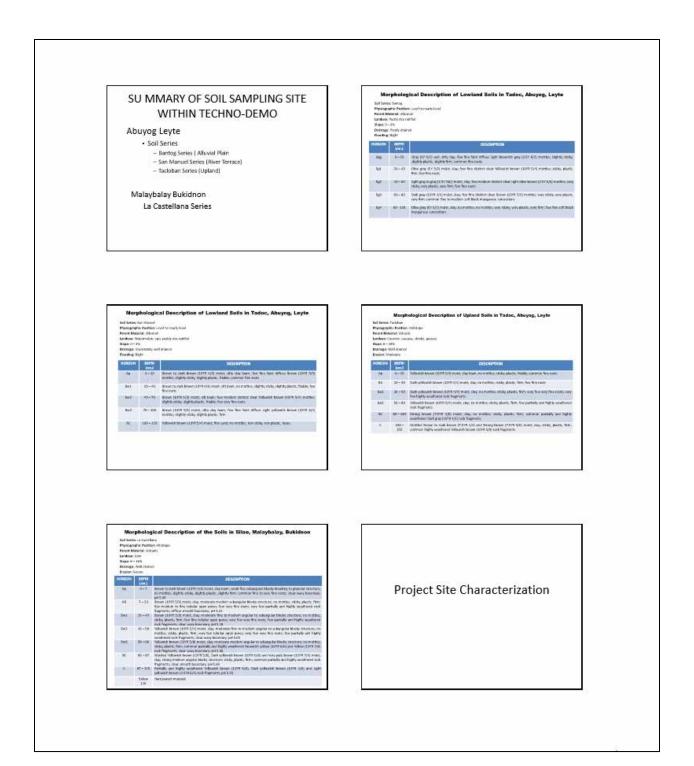
	Silan, Malaybalay, Buildnen	Fedor, Alasyas, Southern Leyte		
farm Slæ				
	0.5-5.0 http:	15-15 http:		
fersain and acomsibility	like stream side and most of the areas are	Relatively flat is got fy railing to rolling and low, smooth, and partly milrivated hill:The forms are accessible mainly flocuph the barangay reach and trail or flocipath that are mostly reached by fost.		
Deel hood Scurpe	Ramping, sari-sari state, paultry raising and livestock production	Farming as main occupation, off fare labor and livestock production.		
Availad le Pierre Lalocr	Remily provides labor from planting to veryesting (pamuo).	Femily and hired labor		
Rechnikal and Initia Support	DA techniciane, loan intitutions	DA technicians, icon instantions, irrig facility and rice mill in the adjuining torangay		
Source of Farming Exoltal	Fist valley lending, Farm traders and relations and private Enancier	fadoc Farmers' Association		

Existing Farm Management

		Tadoc, Abuyug, Southern Leyte
	Morio coopping (Com-spuelh-com, Rice-core, Spuelh- fox-com, Care-care)	Mana crapping, Multiple Cropping and Malti-starse crosping. Orize com, was com, metorope com/veg)
Existing Forming System		
	LION of formers are willing to change cropping pattern: choice crops include cases, hanama, caseana , basad fivit and faicata	12% willing and 5 not willing to change
Willingness of farmers to drange crupping pattern		
	h fear fuirears, practice SACE (Klapping Agricultural Law) fictiviziogé	Application of trangenic fieldbox
Sail conservation recoveres practiced		
10000010000000	savest facilities and lack of farm to market soul	Forges inflatutions lack of copilsal, installustrons to makers comparison for formers to call therepeokste at any price distance by tradem
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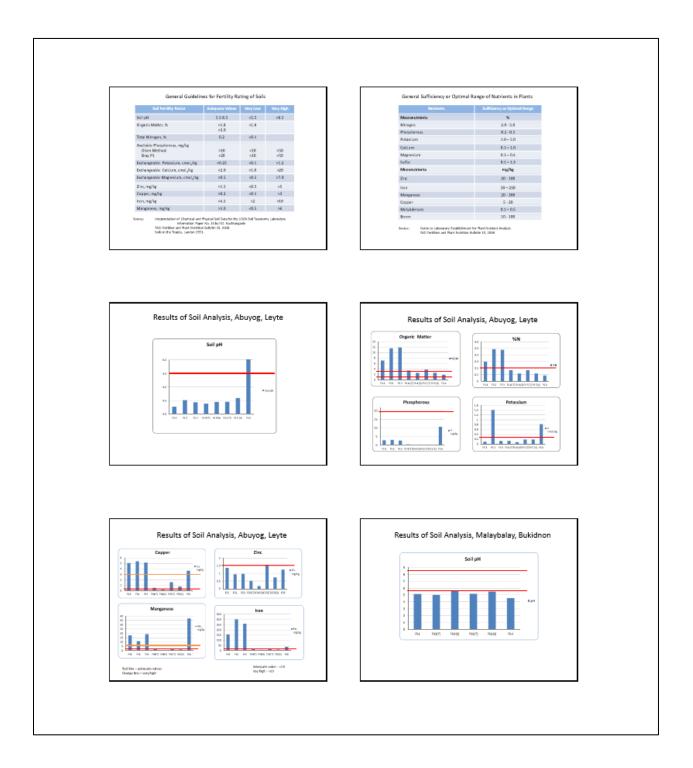
THANK YOU

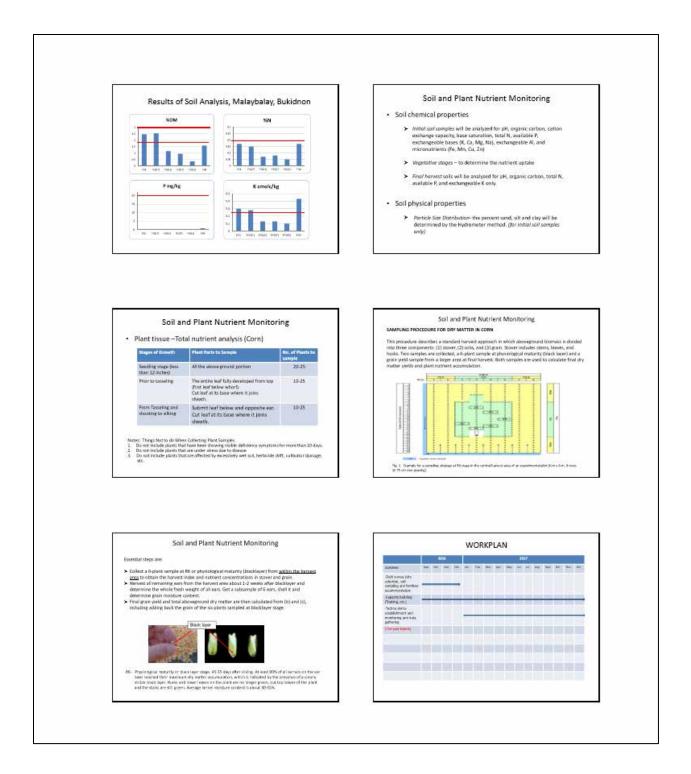
Annex H: Soil Sampling Results



Existin	g Farm Management	
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	Nono saogung (cam-opuad-sam, Rise-cam, Spuid- tos-com, Cam-cam)	Maria orapping, Multiple Groupping and Maltill -starsey croupping (diso-com, wap-com, randoropi-com/veg)
Existing Forming System		
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Willingness of farmers to		
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	foil ansaion and soil activity problem, tack of port hereost facilities and lack of farm to market road	Fungue information, fack of capital, indebtoiness to trackets compail the fermions to self-their produce at any price distance by trackets
Korre Problems		
	ntegrated/dean.Red farming	
Taining Needs		Sell Concervation, Post and closure management, autor molary closure management
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Existing fertilizer Utilization	n Bage completin, il Dage 20:32-0, il Bage 20:20 anit 3 Dage potseh	

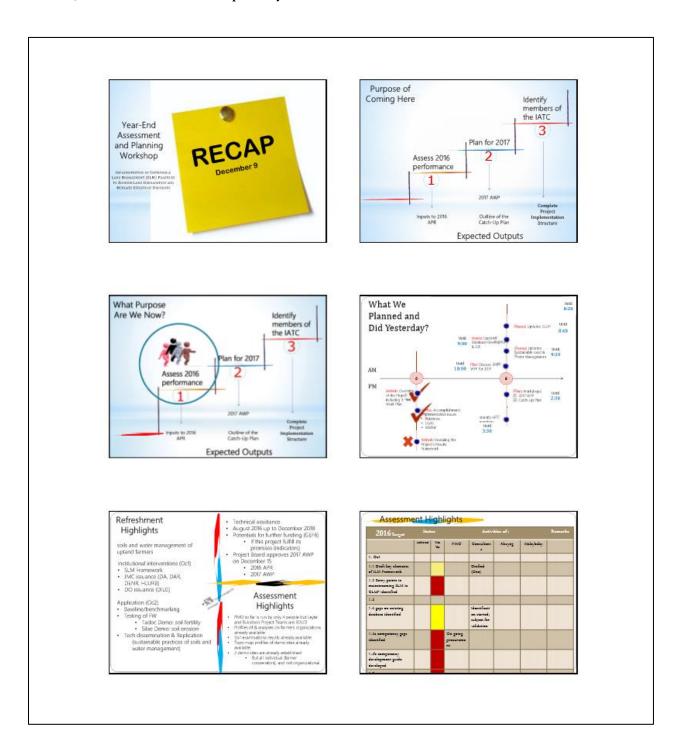
Annex I: Soil Fertility Rating Standards and Results of the Soil Analyses of the Project Sites



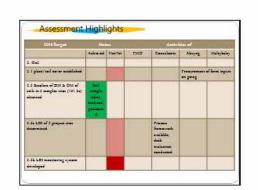


References

- Plant Nuclearit Analysis Sampling Galda, ACVIDE Laboratorium
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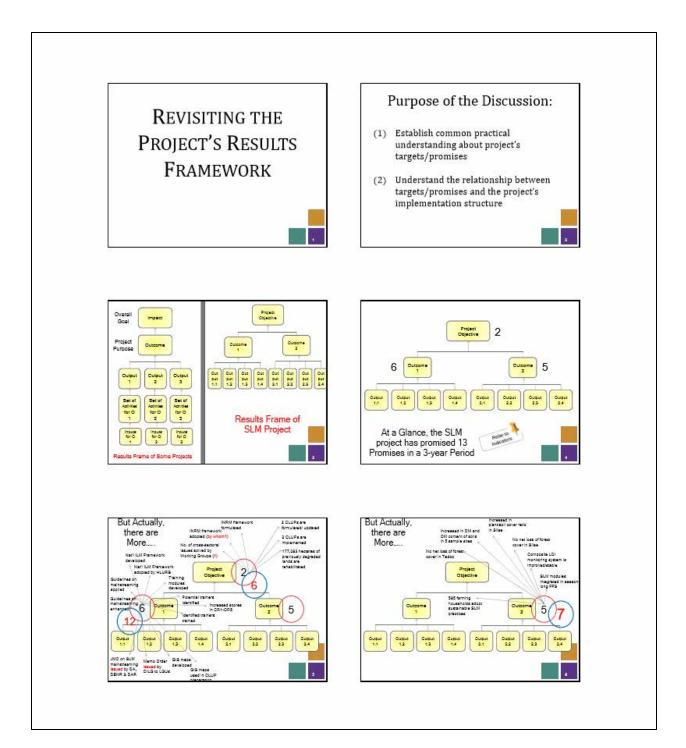
Annex J: Facilitator's Recap of Day 1

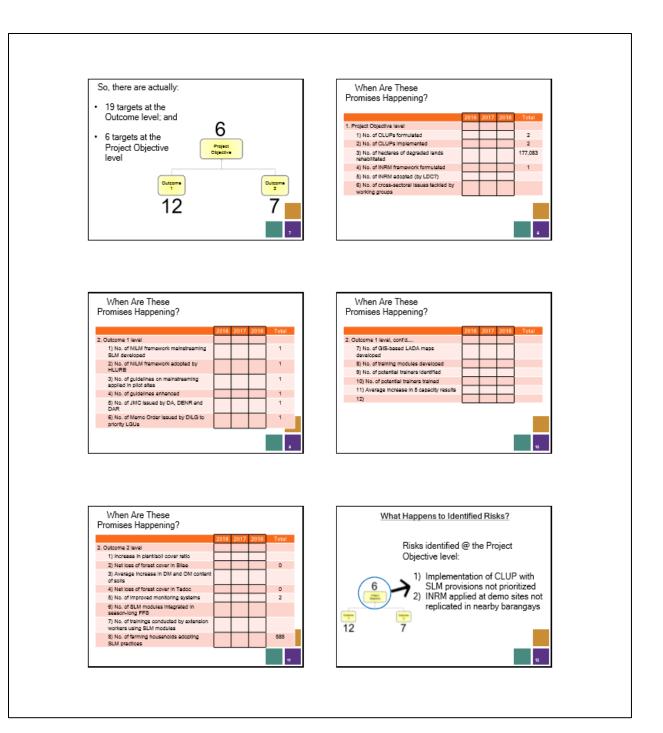


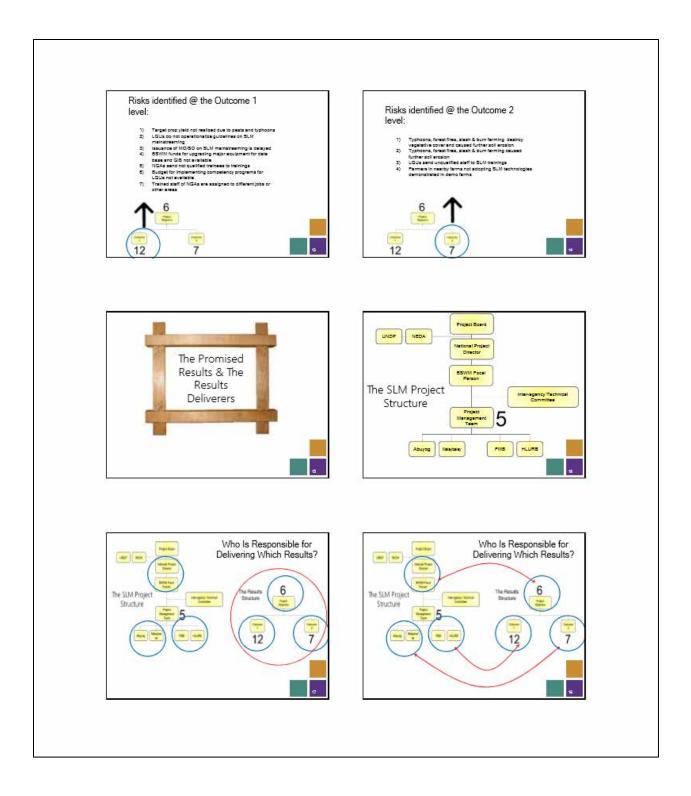
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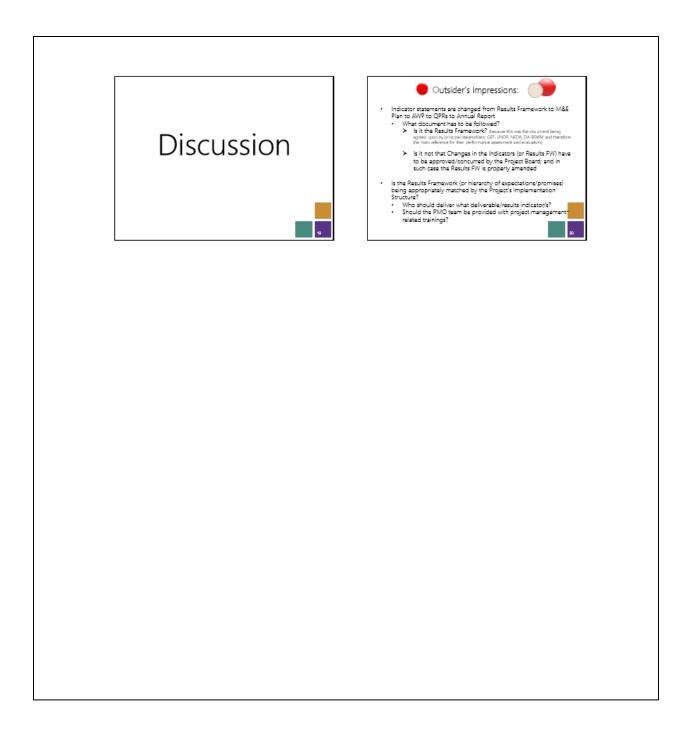


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Annex L: ILRM Framework



Scope of the mainstreaming study

- Formulation of Integrated Land Management Framework (ILMF)
 Preparation of guidelines for the Mainstreaming of ILMF/SLM in
 CLUP
- · Pilot testing of Draft Supplemental Guidelines on SLM/ILMF Mainstreaming in the CLUP of two target municipalities Preparation of Final ILMF including the identification of entry points
- Preparation of the last and receiving the development plans to mainstream it in DA, DEN, and DAR development plans Preparation of Final Supplementary guidelines in mainstreaming SLM in the CLUP and potential investment and incentives for local adoption of SLM

Expected Outcomes of Mainstreaming

- Mainstreaming of SLM in the CLUP/CDP of LGUs is expected to produce the following outcomes:

- the following outcomes: SLM best practices and technology packages are automatically integrated and become part of the CLUP/CDP. SLM receives funding allocation from the LGUs and national government agencies with mandale on localizing SLM. Agriculture technicalism and extension workers from LGUs are equipped with planning tools and technical knowledge and skills for the dissemination of SLM in the plans and programs of national government agencies such as DA, DBNR and DAR betters harmonized efforts and widens government support and funding assistance.

Definition and Components of SLM Sustainable Land Management (SLM)

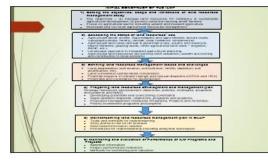
SIXA in its broadest contacts is defined as "the use of land resources including soils, water, animals and plants, for the production of goods to meet changing human needs, while simultaneously ensuring the long term productive potential of these resources and the maintenance of their environmental functions (UN Earth Summit, 1992).

environmental functions (UVF Earth Summit, 1982). In operational imms, SUM involves the ways and means of maximizing the benefits and productivity in the use of land resources without dataxing adverse long-term impediate leands to avantuus types of land degradation. Maragement in this case controlses the proper use and conservation of land resources with the end in view of sustaining food and vacoof production while maintaining ecceystem services through landscape approach of management. management.

SLM components in this study

- Study focus addressing the two widespread land degradation on to agricultural and forest lands: SOII Brosion and nutrient depletion.
- Land conversion is also a serious concern in both sectors at the

Land conversion is also a serious concern in both sectors at the municipal level.
 ILMF – a logical construct establishing the rationale planning process for the management of land resources for sustainable agriculture development. The ILMF identifies the actions (PPAs) needed to attain SLM for agricultural development.





- Presenation of appositural heritage (k.g., nos terminal) and replication of indigenous terming technologies .
- Weiter conservation and imgetion support facilities (email-scale imgetion and SWI15)

Mechanisms for ILMF

1) Polloy and enabling instruments

2) Information, education and communication of small farmers 8) Capacity building of oity and municipal agricultural offices

4) Demonstration farms and replication of technology and management measures

6) Funding mobilization and/or generation

8) Monitoring and evaluation

End of Presentation

Annex M: GIS Support to the SLM Project

GIS SUPPORT UNDER THE PROJECT "IMPLEMENTATION OF SUSTAINABLE LAND MANAGEMENT (SLM) PRACTICES TO ADDRESS LAND DEGRADATION AND MITIGATE EFFECTS OF DROUGHT

OUTPUT 2: Report identifying gaps on the existing database and determining other relevant datasets

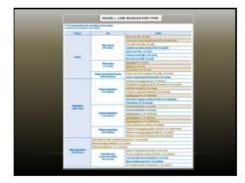
REQUIRED PROJECT OUTPUT

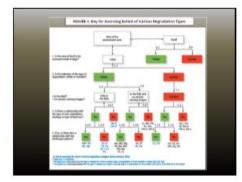
Development of a Composite Land Degradation Index (CLDI) maps for the project areas

 Provide the necessary SLM-related and other maps that are input and/or requirements for the integration of SLM initiatives and practices into the CLUP

COMPOSITE LAND DEGRADATION INDEX

- Follows the guidelines as set forth by the French Scientific Committee on Desertification (CSFD)
- The index is calculated according to three (3) main indicators:
 - Degradation Type
 - Extent of Degradation per Type
 - Degree of Degradation





Degree of Degradation

Two (2) methods of ascertaining degree

- A. Identification of soil properties that are markers of degree of degradation and that could have negative impacts on crop yields.
- B. An assumption that <u>a reduction in yield or in the</u> level of land suitability for a given type of use indicates a degraded land.

CLUP REQUIRED MAPS

L. Administrative Boundaries	
2. Noturn Features	
5. Manimade Pentiones	
5. Mars-made Pentiones 1. Optional Mails (Caldistrat, C	contarar Montal
Demography/Population	
0. Housing:	
7. Health	
E Education	
1. Protect in a Security (Peace)	0 Oxfor
In Wader-Geologic Festares	
L1. Cirrate/Weather	
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13.5c2	
14 Land Cum/Roation	
t5 infrastructure	
16 Land Values	
17. Garad Use	
the Arrandon local Arts and Million areas. I	Fooding, Lond Calumility, Lond Sultability, Development Constraints
	ment Unit, Darianical ProFin/Bodiversity, Disaster Ros, etc.





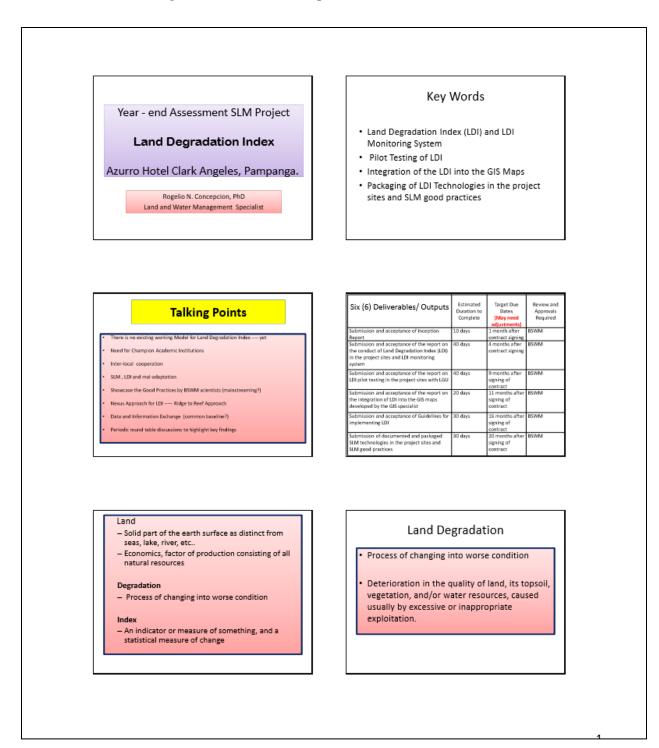
BSWM DATASET STATUS & CONCERN

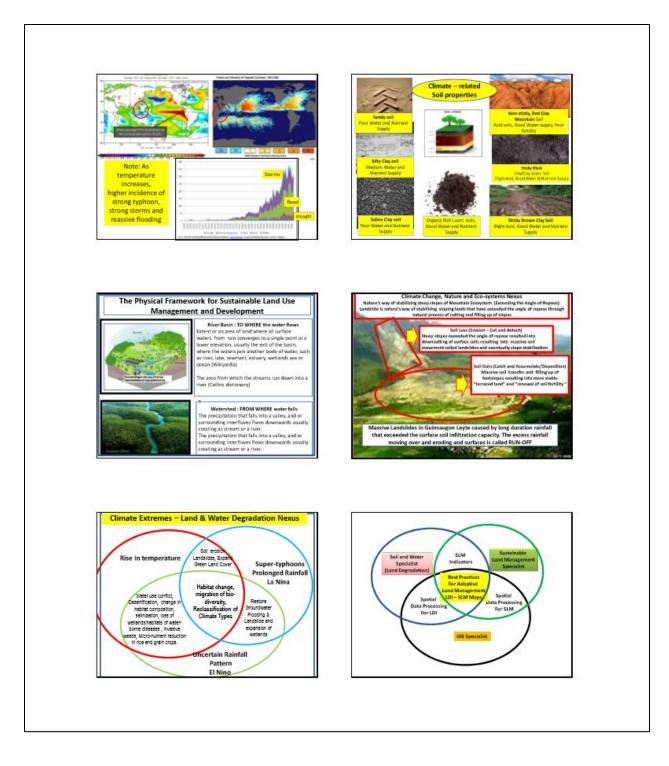
- There is no LREP spatial dataset available for the entire Levte province of Levte at the BSWM central and regional offices.
- The sets of thematic maps produced from the LREP varied from province to province.

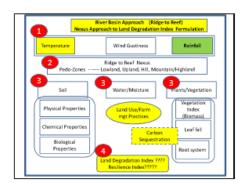
MOVING FORWARD

- Discuss the result of the BSWM data holding inquiry with fellow (SLM, CLUP and CapDev) consultants;
- Reproduce and update the physiographic basemap required by the project for the study areas of Abuyog, Leyte and Mataybalay, Bukidnon;
- Collect, Complete and Understand Spatial and Non-Spatial data for the project, and;
- Logistic support in the collection and/or derivation of the required information.

Annex N: Land Degradation Index Development







Data Selection for LDI

Related to many key variables

- Predictable
- Visually recognizable in the field with potential bioindicators
- Independent variable ---Collinearity principle
- Availability of facilities,
- Ease of access,
- Least expensive,
- Stable

THANK YOU



Annex O: Draft 2017 AWP of the SLM Project

(Insert consolidated 2017 AWP, care of BSWM PMO)