NAP -Ag

Integrating Agriculture into National Adaptation Plan

Proceedings of the Project Inception Workshop The Hive Hotel, Quezon City 26 October 2016



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Acronyms

AFMP Agriculture and Fisheries Modernization Plan
AMIA Adaptation and Mitigation Initiative in Agriculture

CCA Climate Change Adaptation
CCC Climate Change Commission

CIAT Centro Internacional de Agricultura Tropical

CHED Commission on Higher Education
CLUP Comprehensive Land Use Planning

DA Department of Agriculture

DENR Department of Environment and Natural Resources
DILG Department of Internal and Local Government

DOST Department of Science and Technology

DRR Disaster Risk Reduction

FAO Food and Agriculture Organization of the United Nations

GCF Green Climate Fund

INDC Intended Nationally Determined Contributions

LCCAP Local Climate Change Action Plan

LGUs Local Government Units
MAO Municipal Agriculture Officer
NAP National Adaptation Plan

NAP-AG Integrating Agriculture in National Adaptation Plans
NDRRM National Disaster Risk Reduction Management
NDRRMC National Disaster Risk Reduction Management Center

NEDA National Economic and Development Authority

PAGASA Philippine Atmospheric, Geophysical and Astronomical Services Administration

PCIC Philippine Crop Insurance Corporation

PDP Philippine Development Plan

PPAPS Pilot Testing of Agricultural Participatory Planning Systems

PSF People's Survival Fund RDPs Regional Development Plans

SAAD Special Area for Agricultural Development

SWP Social Watch Philippines

UNDP United Nations Development Programme

Executive Summary

The Food and Agriculture Organization of the United Nations (FAO), in collaboration with the United Nations Development Programme (UNDP), held an inception workshop for the programme "Integrating Agriculture into the National Adaptation Plan (NAP-Ag)." It convened key agencies with a purpose of laying down the foundation of the programme, of sensitizing the stakeholders to the different planned outcomes of the projects, and to get inputs and insights on the details of the program. Ms. Floradema Eleazar stated the need for climate change resiliency of the agricultural sector in her opening remarks. Assistant Secretary, Lerey Panes, emphasized the need to incorporate climate change resiliency into the planning of public investments, especially infrastructure. An overview of the progress of DA with regard to climate change adaptation was provided by Dr. Alice Ilaga. She presented updates of the Adaptation and Mitigation Initiative in Agriculture (AMIA), the CCA and DRR programme of DA. The department is looking into the NAP-Ag program to help in the scaling out and scaling up of landscape approaches risk assessment and strategic planning, and in mainstreaming these into national and sub-national plans. The AMIA 1 maps were presented based on the request of workshop participants.

An expert panel presentation tackled the status of the National Climate Change Action Plan and the National Adaptation Plan, the landscape planning approach in agriculture, the monitoring and evaluation of adaptation interventions, the gaps and needs of PAGASA's forecasts and the updates of the Agriculture and Fisheries Modernization Plan. The panel consisted of Ms. Maricar Palaña, Dr. Rex Cruz, Dr. Arlene Inocencio, Ms. Analyn Solis and Mr. Ulysses Lustria Jr.

The details of the program such as the workplan, the institutional arrangement and the project area were discussed. The participants gave their insights, comments and suggestions on the outputs and activities in the workplan. There will be two committees in the NAP-Ag programme, the steering committee (SC) and the technical working group (TWG). The SC is composed of officials of participating agencies, who will provide guidance on mainstreaming the outcomes of the programme into institutions and policies. The TWG is composed of representatives from different government agencies, non-government organizations and academic institutions involved in the agriculture sectors and climate change. The group will provide technical advisory and review to the various outputs of the program. The workshop participants concluded that the project area should be a river basin in Mindanao that is near or located in one of the 10 poorest provinces, and has sufficient data. The participants narrowed down two possible target river basins: i) Mindanao River Basin and ii) Agus-Taguloan in ARMM. The final selection of the study area will be made on the next TWG meeting.

1 Introduction

Climate related disasters in the Philippines have a high impact on its agriculture sector. Between 2006 and 2013, a total of 78 natural disasters damaged over 6 million hectares of crops, valued at USD 3.8 billion. And most recently, between 2015 and 2016, El Niño damaged USD 325 million worth of crops, affected 90% of the country, and threatened the livelihoods of more than 400,000 farming families. Resilience is indispensable. The vulnerability of agriculture sectors of the Philippines puts the country's food, nutrition and economic securities at risk. For instance, rice accounts for 65% of the available food per capita, and supplies 47% of the daily calorie intake and 35% of the protein requirement in the Filipino diet. The agriculture sector also generates income for one-third of the country's total labor force. These challenges make it imperative to mainstream climate change adaptation (CCA) and disaster risks reduction and management (DRRM) in the agricultural sector.

1.1 Project Background

While many countries have started to act on their most immediate and pressing adaptation needs, a transformative change to the right policies is needed in the agriculture sectors to help livelihoods become more climate resilient. The National Adaptation Plan of Action (NAPA) initiative was established to address the short-term climate adaptation needs of LDCs. It focused primarily on urgent and immediate needs - to reduce the climate change impacts on food security. However, there remained a need to address medium and long term needs related to both of these issues. Thus, many developing countries and LDCs responded by developing National Action Plans (NAPs) to address these longer-term planning needs responding to national priorities for low emission and climate resilient development.

The Integrating Agriculture in National Adaptation Plans (NAP-Ag) Programme is a multi-year initiative funded by the German Government that responds to country driven needs. The global programme seeks to enhance:

Institutional capacities and processes for operationalizing climate response strategies in the sector;

Access to international climate finance sources such as GEF and Green Climate Fund; and More strategic allocations of national budgets earmarked for adaptation investments.

In the Philippines, FAO and UNDP are collaborating to implement the NAP-Ag Programme. The project aims to identify and integrate climate adaptation measures in the agriculture sectors into relevant national planning and budgeting through the development of National Adaptation Plan (NAP) process and the updating of the National Climate Change Action Plan in the Philippines (NCCAP). The project will be implemented starting 2016 and will end on 2018.

Based on the current workplan, the NAP-Ag Programme in the Philippines shall:

- 1. Increase the understanding and capacities of regional and provincial agricultural technical officers in conducting climate vulnerability and risk assessments using landscape approaches;
- 2. Develop municipal-level sub-seasonal climate forecast products for precipitation, temperature, solar radiation and wave height, and build the capacities of regional and select provincial agricultural officers to develop farm and fisheries advisories based on these forecast parameters;
- 3. Develop evidence base and indicators for monitoring and evaluating adaptation, and evaluating the cost and benefit of adaptation interventions in agriculture at the policy and programme levels;
- 4. Integrate climate change adaptation and disaster risk reduction and management into the Agriculture and Fisheries Modernization Plan (AFMP), and ensure that the enhancements

- made under AFMP are considered into to the NCCAP, NAP and the Philippine Development Plan; and
- 5. Support to the establishment of a Climate and Disaster Risk Information Services Center for Agriculture and Fisheries and enhanced dissemination of climate risk information at different spatial scales

1.2 Objective

The workshop was aimed at gaining a better understanding and role clarification on the objectives, outputs, outcomes and planned activities of and proposed institutional arrangements for the NAP-Ag project in the Philippines. The workshop also gathered different perspectives and inputs of project stakeholders to refine and improve the project work plan and activities.

The workshop also sensitized participant stakeholders on the concepts of the different planned outcomes of the projects, including the National Adaptation Plan development process, landscape planning approaches, monitoring and evaluation, municipal level sub-seasonal, solar radiation and wave height forecasting, and the AFMP.

1.3 Participants

The inception workshop was attended by a total of 17 participants, comprised of representatives from the Department of Agriculture, as well as the Climate Change Commission (CCC) the Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA), and the National Economic and Development Authority (NEDA).

2 Inception Workshop Proceedings

2.1 Opening Remarks

Speaker: Floradema Eleazar, Programme Manager, UNDP Philippines

Ms. Eleazar emphasized that the Philippines, as one of the most highly vulnerable countries, must consider climate change into development planning. The impacts of climate change is something that Filipinos will have to bear in their day-to-day activities. She highlighted that agriculture sector is the most affected as seasonal changes, temperature and the intensity and frequency of flooding. Moreover, she also shared that storm surge and drought have already wreaked havoc on the livelihoods of farmers and, consequently, the country's capacity to produce food, directly affecting food security and, more broadly, economic growth.



She, however, explained that the Philippines is one of those countries which is in the forefront of addressing the issues. The national climate change action plan and other related programs such as the AMIA program of DA and the river basin development program of the DENR are just some of the interventions that the country can take advantage of. UNDP also supports the Department of Agriculture (DA) in its weather based insurance, and also has other programs with Climate Change Commission (CCC) in the provision of tools and in enabling local government improve their adaptive capacity.

She hopes that through the NAP-Ag Programme, UNDP, together in partnership with FAO, would be able to help the government of the Philippines in fully addressing the impacts of climate change in the agricultural sectors. And that the programme will feed in to the broader interventions that the government is working on to improve the adaptive capacity of Filipinos to the impacts of climate change.

2.2 Keynote Address

Speaker: Mr. Lerey Panes, Assistant Secretary for Planning, Project Development, and Special Projects, Department of Agriculture

Asec. Panes emphasized that in the Philippines adaptation is given more priority since the country is particularly vulnerable to climate change. There is a need to shift from business-as-usual planning strategies in public investments in agriculture, and consider new assumptions in future interventions. Public investments, especially in infrastructure, need to withstand the rigors of climate change since these compose a significant portion of the country's national budget. He recommended to take into consideration challenges beyond the medium term and anticipate even more extreme events.



He welcomed the collaboration brought by the NAP-Ag Program, with the support of the German Government, in assisting DA and in bringing together critically important institutions such as FAO, UNDP, CCC, PAGASA and NEDA to address the country's challenges in integrating agriculture sectors into the national adaptation plan. He hopes that the NAP-AG would be able to help the country to identify and operationalize fund strategies in agriculture related climate adaptation measures.

Implementing the climate adaptation measures that will bring changes to the system will require external support in addition to national budget. He encouraged the NAP-Ag program to access instruments within the United Nations Framework Convention on Climate Change such as the Global Environment Facility and the Green Climate Fund to be able to support nationwide implementation of climate change adaptation measures. He concluded by highlighting that despite being one of the most vulnerable country to climate change and natural hazards, the Philippines still has the potential to lead in building institutional capacities for resilience.

2.3 Workshop objectives, participant introductions, and project background

Mr. Claudius Caezar Gabinete, National Project Coordinator for the NAP-Ag Programme in the Philippines, introduced and acknowledged the participants present. He also briefed the participants of the inception workshop objectives and the project background. The concept note and agenda of the workshop can be found on Annex 1.

2.4 Mainstreaming CCA and DRR into agriculture sectors, past and current efforts of DA

Speaker: Dr. Alicia Ilaga, Director, System-Wide Climate Change Office (SWCCO), DA

Dir. Ilaga shared that DA's efforts into the mainstreaming CCA and DRR in agriculture as fully realized when the programme on Adaptation and Mitigation Initiative in Agriculture (AMIA) began. AMIA is a mainstreaming and communication strategy that focuses on (2) actions that can be done towards climate change namely, adaptation which allows for an easy bounce back and mitigation to reduce the emission of greenhouse gas. It is also a multi-sectoral partnership and allows the country to have a resilient yet progressive agricultural and fisheries livelihood. The programme's long-term goal is to provide an efficient and resilient agriculture and fishery support services. The programme currently consists of (7) system-wide mainstreaming programs. DA AMIA teams are now present in all of the department's offices and bureaus with at least 3 persons per office which includes the planning officer, operations head and ICT.



Listed below are some outcomes of the initiatives that DA related to climate information services:

Installation of 153 units of Automatic Weather Stations (AWS) in key agriculture areas, which complements DOST's installed AWS that installed in airports, schools, and municipal halls. The

AWS will help provide farm-level advisories to improve farmers' crop management decisions. Conduct of SWP on Technology Development and Deployment, an inventory of adaptation technologies that were deployed in order to continue to develop climate ready crops and

livestock through different research institutions.

Adoption of climate resilient agriculture infrastructure standards that have durable and better quality. DA started with permanently surfaced farm-to-market roads with proper drainage.

Development of better standards for infrastructure such as irrigation systems, farm-to-market roads, and is looking into new standards for fishery infrastructure.

Facilitated access to new adaptation and quick response financing instruments.

Improvement in the timeliness, content and manner of delivery of Enhanced Climate Field Schools, and Training of Trainers.

Expanded PCIC insurance for agriculture and fisheries to 10 % more farmers and fishers.

DA is also active in pursuing climate resilient regulations. The department created regulatory system to foster adaptation and climate change resiliency among stake members. There is also an extension system that enhanced the quality of Climate Field Schools and trainings of the trainers. Climate change was added in the curriculum of the training for trainers.

The AMIA also developed landscape planning guidelines for agriculture and fisheries in partnership with planning officers. This is new paradigm in planning that AMIA aims for the department to adopt. Landscape planning has already an existing within the Agriculture and Fisheries Modernization Plan (AFMP), where it envisages DA to "plan using landscape as a planning domain." Four consultation workshops were already held in different regions to ensure that regional executive directors of DA are made aware of the new approach for planning.

In line with it pursuit to provide comprehensive climate information services to the agriculture sectors, the Department also has recently developed AMIA maps — color-coded, integrated crop suitability, poverty, hazards and climate change impact. It includes the 2030 and 2050 climate scenarios for agriculture using RCP 8.5, added with information generated by WorldClim, and downscaled by CIAT to a resolution of 0.9 km. The maps can identify agriculture and fishery areas exposed to climate risks and hazards. The maps are useful guides for short and long term planning, for investments and for tailor-fitted support services.

DA is looking into the NAP-Ag of FAO and UNDP to help fill-in the remaining gaps. Among these is the outscaling and upscaling of landscape approaches risk assessment and strategic planning, and in ensuring that these are mainstreamed in national and sub-national plans, including the AFMP, NCCAP and the Philippine Development Plan (PDP). The department also hopes that through the programme they will be access external climate finance, in particular the Green Climate Fund (GCF), which DA deem necessary in attaining the country's adaptation objectives.

Discussions

Ms. Eleazar asked what else is left to fully implement the integration of landscape planning approaches into the NAP and AFMP if the guidelines were developed already. She also sought clarification if there are no more studies that need to be undertaken since all of these are already done under AMIA1.

Dr. Ilaga answered that the imprimatur of the secretary is still needed to make this into a policy of the department. She added that the department is finished with all the inputs. All that is needed is the approval and the implementation of the planning offices.

Dr. Vicky Espaldon (UPLB) shared that currently, for AMIA 2, the communities are identifying climate resilient systems. The communities have until December to identify some of the climate resilient systems they are proposing in the field. The availability of the AMIA maps come at an opportune time for the review of the 10 sites under AMIA 2 on October 27. She commended that the AMIA maps are already available since the local governments are still using old CLUPS.



Ms. Maricel Solatre, National Economic Development Authority (NEDA), also shared that NEDA Secretariat is in the process of developing the new PDP, wherein the DA is the chair of the Agri-Sector Plan. Consultations with different sectors and stakeholders are underway. The maps of AMIA could be used for planning by NEDA.

Ms. Analyn Solis of PAGASA mentioned the availability of climate projections, AR5, produced through the FAO supported AMICAF 2 project. AR5 has a 10-km resolution based on statistically downscaled data. The data is suitable for agricultural planning and will be available from their portal by November. Dr. Ilaga mentioned that regional staffs of DA were trained to use GIS for them to be able to manipulate data upon the availability of new datasets.

Upon the request of several participants of the workshop, Dr. Ilaga presented the maps produced by AMIA. The maps presented are as follows:

Projected rainfall maps

Projected maximum temperature map

Provincial crop suitability map with an overlay of hazards. It also includes a production

potential dataset down-scaled up to the barangay level.

Map of suitable water resource systems. Example, green indicates areas which would only be needing shallow-tube well pumps, yellow for deep-tube well pumps, and red for water impounding. The map was made using temperature, soil, cover, groundwater, slope,

hydrology, and administrative boundaries overlay. Extreme wind speed map

There are still several maps under development, including maps on saline intrusion, areas with above 3 meters sea level rise, and areas susceptible to storm surges, landslide and erosion, flooding, and drought. The maps can be used to predict or estimate the capability of the Philippines to achieve its target of self-sufficiency.

2.5 Expert Panel Presentations

Resource persons from different government agencies and from the academe were invited to speak regarding the concepts and ideas that prominent in the planned outputs and activities of the NAP-Ag programme in the Philippines. Their presentations can be found on Annex 2.

Status of the National Climate Change Action Plan and National Adaptation Plan

Speaker: Ms. Maricar Palaña, Climate Change Commission

Ms. Palaña shared that CCC has already started to review the National Climate Change Action Plan (NCCAP). The plan is a living document that needs to be reviewed every (3) years from its formulation. The commission plans this year to have the NCCAP undergo review, enhancement and assessment, and at the same time integrate the National Adaptation Plan (NAP) process.

Ms. Palaña further related that reviews were already made to the NCCAP, and the next step is to integrate the NAP process. Several orientations and workshops were held to determine how to harmonize the process of NAP within the NCCAP. The National Panel of Technical Experts (NPTE) will provide the necessary technical support in the integration NAP process into the NCCAP. The knowledge platforms that can be explored are the Community of Practice, Climate Change Institute, and the Climate Vulnerability Forum. Gaps and needs in the NAP process have been already identified in the Philippine NAP road map. Concerned agencies have also been identified.

In terms of the status of the NAP process, Ms. Palaña shared that CCC has already finished stock-taking. They are also formulating the Philippine NAP Roadmap. Other agencies have identified their gaps and needs baseline data. Some are in the first workstream. The next step is for the CCC to collect the status of all agencies and assess where the Philippines, as a whole, stand in the workstream.

The CCC resolved to prepare only a report for the country's NAP instead of developing a separate document or plan since the NAP process will be integrated into the NCCAP. The NCCAP will be finalized on the first quarter of 2017.

Landscape planning approach in agriculture

Speaker: Dr. Rex Cruz, Professor, University of the Philippines, Los Baños

Dr. Cruz explained that landscape approach is defined as the use of landscape units as the basic unit of analysis for planning and decision making. The watershed as a landscape unit takes into full consideration the interconnectedness of the ecosystems, vulnerabilities, problems and solutions. It does not entail changing the administrative boundaries, but only uses the landscape in the process of development planning.

The goal of landscape approach to planning is to have delivery of support services that are more efficient, more responsive to achieve resiliency of the sector that includes resilient infrastructure, revitalize institutional arrangement, and knowledge based operations. The landscape approach to development planning in agriculture has the potential to identify critical and timely strategies and actions that would help achieve the sustainability of the agro-ecosystems.

Watershed or basins are the ideal landscape planning unit. Large islands can be subdivided into several watershed units. Small adjacent watersheds can be clustered into one watershed unit. In the case of small islands, the island itself can be considered as a single landscape unit.

The first province to use the landscape approach to planning is Lanao del Norte. This was through a project done in 2000 to 2003.

The targets and indicators of the PDP are updated annually. If the landscape approach to planning will be used, it could be integrated into the annual update of the PDP.

Monitoring and evaluation of adaptation interventions, and knowledge based operation

Speaker: Dr. Arlene Inocencio, Professor, De La Salle University, Manila

Dr. Inocencio stressed that monitoring and evaluation is crucial since it informs the decision maker on the improvement of performance. Monitoring and evaluating systems can be used to support various aspects of project implementation. However, the problem lies when no one is doing is the monitoring. The missing links for an effective monitoring and evaluation program are accountability and transparency. Good planning would be useless if the monitoring and evaluating is poorly executed. Working together while using the same framework remains a challenge. There are several identified challenges regarding the monitoring and evaluation in a landscape, namely, (1) the definitions and goals, (2) multi-sectoral issues and engaging stakeholders, (3) scales, leakages, permanency, externality and ancillary impact, (4) availability of data and information, (5) working with uncertainties,

(6) attribution difficulty, (7) inadequate capacity for assessment, monitoring and evaluation, and (8) practicality of methods and tools.

Gaps and needs in climate forecasts

Speaker: Ms. Analyn Solis, PAGASA

PAGASA recognizes the need for weather and climate information for agriculture in various timescales. They offer daily weather forecast for farming activities and for emergency responses, weekly forecast for crop monitoring and nutrient management, seasonal climate forecast with a monthly lead time of 3 months for irrigation and 6 month for planning, and climate projections for planning and anticipatory strategies.

Other products which can be used by the agriculture sector are the Climate Data Base Management System, Oracle-based Unified Information System, impact assessment for agriculture, projections of climate scenarios thru FAO-AMICAF 1 and 2, farm weather advisories, tropical cyclone warning for agriculture and 10-day regional agri-weather.

The sub-seasonal to seasonal forecasts (S2S), which spans 2 weeks to 2 months, is identified as a gap in the product offered by PAGASA. The S2S provides early preparation for extremes in two weeks' time. A gap also exists in the transition from climate science to climate services, and in the warning and communication of information. PAGASA also wants to provide information on the financial value of using PAGASA's forecasts at a particular point in time. The forecasts' economic values are returns on investment (ROIs) and cost/loss.

Ms. Solis also identified the gaps in reducing climate risk for agriculture. Farmers want to make the best decision and, thus, needs reliable and credible information. PAGASA produces forecasts, 10-day regional agri-weather, historical records but may or may not know what the farmers need and find most useful. Their information may not reach those who need it most. PAGASA needs to interact with the right partners to bring knowledge into decision making.

The gaps in warning and communication info include the expansion of lexical domain, knowledge of indigenous practices, research on translation of scientific information, communicating uncertainties, establishing protocol on El Niño/La Nina, and bridging the gap between other information providers.

The challenges in using the climate information provided by PAGASA are the integration of climate forecasts into actual farming activities, the development of crop yield forecasts, adoption of dynamic planting dates, and improvement of the climate resiliency of groups and communities.

Agriculture and Fisheries Modernization Plan

Speaker: Ulysses J. Lustria Jr.

The basis of the AFMP is the Republic Act No. 8435 Section 13 which mandated the Department of Agriculture to formulate an Agriculture and Fisheries Modernization Plan. The process is participatory with consultation from farmers and fisherfolk, private sector and other government agencies.

The first AFMP is for 2001 - 2004. It was released in 2000. The second AFMP is for 2011 - 2017. Aside from the contents of AFMP 2001-2004, the AFMP 2011-2017 adopted a value chain development approach and it mainstreamed climate change concerns. The concerns and interventions and interspersed in the document. The next AFMP is for 2017 - 2023. The drafting of the new AFMP is currently in progress. In this draft, inputs will be obtained from the PDP. There is also an assessment of the current AFMP this November.

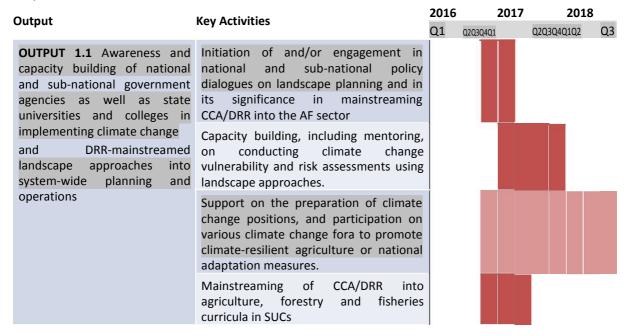
2.6 NAP-Ag Programme and Workplan in the Philippines

Mr. Gabinete shared with the participants the background of NAP-Ag Global Programme. He also presented the draft workplan of the NAP-Ag in the Philippines. These presentations can be found on Annex 3. He emphasized that while the outcomes are fixed since they were determined at the global programme level, the outputs and activities can still be changed and should be reflective of the needs at the country level. The following section details the output and activities in the current draft and the comments and suggested changes by the participants to the workplan outputs and activities.

3 Detailed Discussion of NAP-Ag Workplan, Institutional Arrangements and Study Area

Outcome 1: Technical capacity and institutions on NAPs strengthened

Output 1.1



Dr. Ilaga commented that Output 1.1 does not capture what was mentioned by Dr. Cruz about sponsoring government or regions so that they could prepare their landscape-based plans. Dr. Cruz added that the output only pertains to national government agencies but landscape approach has local actors/players like local government units (LGUs), state universities and colleges (SUCs), and other service providers. He requested to change wordings to "national and subnational."

Activity 1.1.1

- o Dr. Cruz suggested to add national and sub-national dialogues.
- Ms. Solatre shared that there are PDP regional dialogues and suggested that NAP-Ag could work through this existing mechanism.

Activity 1.1.2

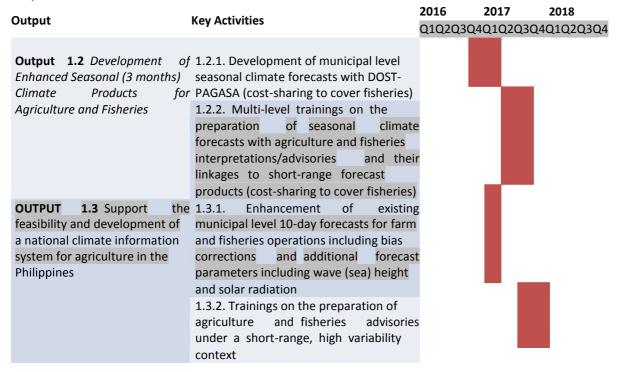
- Dr. Ilaga asked if the activities are enough for a capacity building. Ideally, the beneficiaries need to go through the whole process to understand and appreciate the development of climate change action plans.
- Mr. Gabinete clarified that capacity building would not stop training activity but would involve mentoring, and would also include developing proposals for the People's Survival Fund.
- Ms. Solis revealed that during the DOST Harmonization agenda meeting, around PhP 400 billion of funds will be provided by 2020. Quality proposals need to be submitted DOST to access this and many government agencies are not equipped to develop quality technical proposals. She suggested to include assistance in this matter in the NAP-Ag workplan.

Activity 1.1.3

- Dr. Espaldon suggested to include fisheries and environmental science courses.
- Dr. Ilaga added that CHED could be a partner.
- Ms. Solatre suggested that the NAP-Ag could immerse into PDP's national policy dialogue, and regional dialogues, the PDP Regional Development Plan Consultation.

She further suggested a separate dialogue for 1.1.2 to identify actors of capacity building Output

Output 1.2



Activity 1.2.1

- Dr. Espaldon explained that farmers right now need a new climate calendar which
 depends on climate forecasts. Maybe, it should be the product to be delivered by
 Output 1.2 by DA, MAOs and PAGASA. The MAO offices would like to prescribe a new
 cropping calendar but they do not know how. The MAO could be trained to process
 their own information since the revision is a process of looking at historical record on
 a daily basis.
- Mr. Gabinete clarified that this pertains to the dynamic cropping calendar which is in the future plans of FAO.
- Ms. Solis added that PAGASA has developed a dynamic cropping calendar for El Nino, La Nina and neutral condition using rainfall data. Based on this study at Region 6, PAGASA identified soil moisture as an additional information needed in developing a cropping calendar.

Output 1.3

No comment or suggestion.

Output 1.4

Activity 1.4.1

 Mr. Gabinete asked the participants to disregard the output as it has already been in Output 1.1.

Outcome 2: Integrated roadmaps for NAPs developed

Output	Key Activities	2016	2017 2018
•	•		Q1Q2Q3Q4Q1Q2Q3Q4Q1Q2Q3Q4
Output 2.1 Updating of the	2.1.1. Stock-taking	exercises,	
Agriculture and Fisheries	consultations, and	consolidation	
	workshops on lessons	learned and	

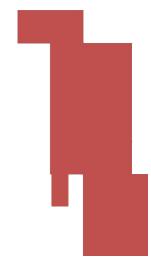
Modernization (AFMP)	
Plan	policy recommendations for the
integrating CCA and DRRM	updating of the AFMP
Output 2.2 Integration of the	2.2.1. Stock-taking exercises,
Updated CCA DRR-enhanced	consultations, and policy workshops on
AFMP into the Philippine	integrating AFMP considerations into
Development Plan and the	the PDP and National Adaptation
National Adaptation Planning	Planning Process, and vice-versa
Process	

Output 2.3 Enhancement of 2.3.1 Training of select LGUs on LCCAP Local Government

Unit development and integration into CLUP access national 2.3.2 Training of select ARBOs, LGUs,

capacities to climate financing mechanisms such as the Peoples Survival Fund, and others.

and other government agencies on developing climate change project proposals for the PSF and other similar finance instruments



Output 2.1

No comment or suggestion.

Output 2.2

Activity 2.2.1

o Dr. Ilaga said that the process is reversed (compared to the one described in the workplan). She shared while the PDP development comes first before AFMP updating, DA provides inputs into PDP.

Mr. Gabinete suggested that the team could sit down and discuss on how to proceed with the actual process. The initial idea during workplan preparation was that the AFMP will be

finished before the PDP, instead both plans are happening almost concurrently.

Dr. Ilaga clarified that PDP really comes first but every sector puts plans into the PDP.

Ms. Solatre also mentioned that the chair of the sub-committee for agriculture in the development of the PDP is the Department of Agriculture.

Ms. Manal suggested that the next step immediately after the inception workshop is to meet with focals from DA to clarify steps to undertake.

Output 2.3

Activity 2.3.1

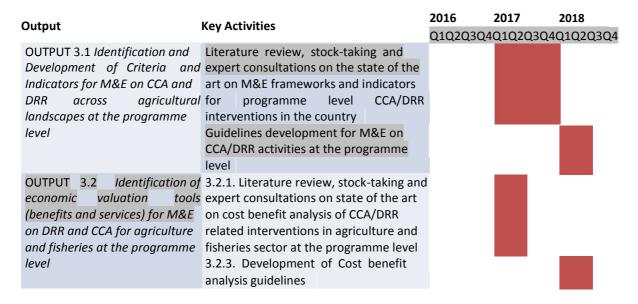
- Ms. Solatre suggested to include national staffs in the trainings.
- Dr. Ilaga shared that the final output from the LGU is the Comprehensive Local Use Plan (CLUP) which integrates CCA and DRR.
 - o Dr. Cruz clarified that it is possible to have one local plan that already comprise the Local Disaster Risk Reduction and Management Plan (LDRRMP) and Local Climate Change Action Plan (LCCAP), Forest Land Use Plan (FLUP) and other local plans, and that this should be pursued by the NAP-Ag.
- Dr. Ilaga concurred to put more priority to CLUP which integrates LDRRMP, LCCAP and other mandated plans.
- Mr. Lustria shared that there are already many LGUs already with CLUP. He suggested

to select LGUs with CLUP already, and then just integrate the LCCAP into their CLUPs. o Ms. Palaña revealed that while one of the requirements to access the PSF is an LCCAP, some LGUs that submitted their CLUP with integrated DRR and CCA were allowed to submit proposals to the PSF. She also added that training on CLUP writing is under the Department of Local and Interior Government. CCC is only in-charge of technical assessment but is also offering training through its Communities for Resilience (CoRe)

programme.

 Dr. Cruz suggested to revise the activity to include mentoring of select LGUs on the redevelopment of landscape based CLUP with integrated LCCAP and/or LDRRMP, and extend the timeline.

Outcome 3: Evidence-based results for NAPs improved



- Dr. llaga asked regarding the NAP-Ag for this particular outcome, and if AMIA2 can do that.
- Dr. Inocencio shared that there are agencies that are already doing something similar to planned activities under Outcome 3. She suggested to take advantage of the existing initiatives so that NAP-Ag does not start from scratch. She added to conduct stock-taking first.

Output 3.1

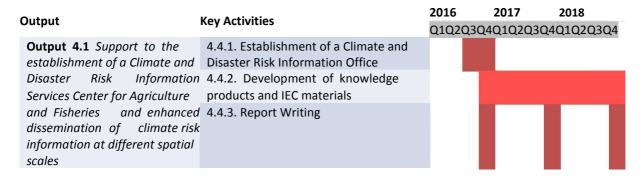
No comment or suggestion.

Output 3.2

Output 3.2.2

Ms. Solis suggested to also include in the cost-benefit analysis the use of PAGASA's
advisories and forecasts in development related interventions compared to
interventions that use none.

Outcome 4: Advocacy and knowledge-sharing on NAPs promoted



No comment or suggestion was provided.

3.1 Institutional Arrangement

Dr. Ilaga suggested forming a technical committee for technical work, and then a project coordination committee who represents all the projects. This coordination committee, as mentioned by Dr. Cruz, is called a steering committee and is usually composed of high officials. Ms. Manal mentioned that for other projects, a technical working group reviews specific outputs while the steering committee tackles the policies.

The participants of the workshop suggested that the steering committee meet once a year. It might as well include high officials such as the FAOR, UNDP Resident Representative, and DA designate such as USec for Planning. DA will be the chairman of the steering committee while NEDA will be the cochair. Every agency in the Technical Working Group are members of the steering committee. DA's planning sections and operations sections will participate in the committees.

3.2 Project Area Selection

Dr. Rex suggested to use the river basin as a project area instead of basins and watersheds. This is primarily because of the availability of masterplans which were already made by Dr. Rex. The masterplans made were Cagayan River Basin, Mindanao River Basin, Agno River Basin, and Buwayan-Malugan River Basin. Buwayan-Malugan may be slightly difficult to pursue because the area is within the ARMM. If the team wants a big river basin, the Cagayan River Basin can be chosen.

Ms. Maya Gabunales-Barol, of the Office of the Secretary, and also a part of the Special Area for Agricultural Development (SAAD), suggested picking a river basin which is near the 10 poorest province in the Philippines, such as Lanao, Agusan, Maguindanao, N. Cotabato, Saranggani, Samar, and Apayao.

Dr. Ilaga suggested to pick a river basin in Mindanao. She pointed out the Mindanao River Basin is near the areas in Mindanao mentioned by Ms. Barol. She also suggested to use river basins which already have data.

Dr. Rex supported that the Mindanao River Basin already has many data. Another river basin which already has a lot of data aside from the four previously mentioned (Cagayan River Basin, Mindanao River Basin, Agno River Basin, and Buwayan-Malugan River Basin) is Agos-Taguloan which is Lake Lanao in ARMM.

Annex 1: Concept Note and Agenda, and Participants

NAP-Ag

Integrating Agriculture into National Adaptation Plan

Project Inception Workshop 26 October 2016 Hive Hotel, Quezon City

Introduction

Climate related disasters in the Philippines have a high impact on its agriculture sector. Between 2006 and 2013, a total 78 natural disasters damaged over 6 million hectares of crops, valued at USD 3.8 billion. And most recently, between 2015 and 2016, El Niño damaged USD 325 million worth of crops, affected 90% of the country, threatening the livelihoods of more than 400,000 farming families. Resilience is indispensable. The vulnerability of agriculture sectors of the Philippines puts the country's food, nutrition and economic securities at risk. For instance, rice accounts for 65% of the available food per capita, and supplies 47% of the daily calorie intake and 35% of the protein requirement in the Filipino diet. The agriculture sector also generates income for one-third of the country's total labor force. These challenges make it imperative mainstream climate change adaptation (CCA) and disaster risks reduction and management (DRRM) in the agricultural sector.

Project Background

While many countries have started to act on their most immediate and pressing adaptation needs, a transformative change to the right policies is needed in the agriculture sectors to help livelihoods become more climate resilient. The National Adaptation Plan of Action (NAPA) initiative was established to address the short-term climate adaptation needs of LDCs. It focused primarily on urgent and immediate needs - to reduce the climate change impacts on food security. However, there remained a need to address medium and long term needs related to both these issues. Thus, many developing countries and LDCs responded by developing National Action Plans (NAPs) to address these longer-term planning needs responding to national priorities for low emission and climate resilient development.

The Integrating Agriculture in National Adaptation Plans (NAP-Ag) Programme is a multi-year initiative funded by the German Government that responds to country driven needs. The global programme seeks to enhance:

institutional capacities and processes for operationalizing climate response strategies in the sector;

access to international climate finance sources such as GEF and Green Climate Fund; and more strategic allocations of national budgets earmarked for adaptation investments.

In the Philippines, FAO and UNDP is collaborating to implement the NAP-Ag Programme. The project aims to identify and integrate climate adaptation measures in the agriculture sectors into relevant national planning and budgeting through the development of National Adaptation Plan (NAP) process and the updating of the National Climate Change Action Plan in the Philippines (NCCAP). The project will be implemented starting 2016 and will end on 2018.

Based on the current work plan, the NAP-Ag Programme in the Philippines shall:

- 6. Increase the understanding and capacities of regional and provincial agricultural technical officers in conducting climate vulnerability and risk assessments and implementing adaptation strategies using landscape approaches;
- 7. Develop municipal-level sub-seasonal climate forecast products for precipitation, temperature, solar radiation and wave height, and build the capacities of regional and select provincial agricultural officers to develop farm and fisheries advisories based on these forecast parameters;
- 8. Develop evidence base and indicators for monitoring and evaluating adaptation, and evaluating the cost and benefit of adaptation interventions in agriculture at the policy and programme levels;
- Integrate climate change adaptation and disaster risk reduction and management into the Agriculture and Fisheries Modernization Plan (AFMP), and ensure that the enhancements made under AFMP are considered into to the NCCAP, NAP and the Philippine Development Plan; and
- 10. Support to the establishment of a Climate and Disaster Risk Information Services Center for Agriculture and Fisheries and enhanced dissemination of climate risk information at different spatial scales

Objective

The workshop is aimed at gaining a better understanding and role clarification on the objectives, outputs, outcomes and planned activities of and proposed institutional arrangements for the NAP-Ag project in the Philippines. The workshop is also intended to gather different perspectives and inputs of project stakeholders to refine and improve the project work plan and activities.

The workshop shall also sensitize participant stakeholders on the concepts of the different planned outcomes of the projects, including the National Adaptation Plan development process, landscape planning approaches, monitoring and evaluation, municipal level sub-seasonal, solar radiation and wave height forecasting, and the AFMP.

Participants

Participants will include representatives from relevant units and divisions of the Department of Agriculture, as well as the Climate Change Commission, the National Disaster Risk Reduction and Management Council, the Philippine Atmospheric, Geophysical and Astronomical Services, the National Economic and Development Authority, other government agencies and relevant stakeholders.

Inception Workshop Agenda

Time	Session	Lead
08:30 - 09:00		
09:00 - 09:10	Welcome Remarks	Floradema Eleazar,
03.00 03.10	Welcome Remarks	Programme Manager,
		UNDP Philippines
09:10 - 09:20	Keynote Address	Asec. Lerey Panes
09.10 - 09.20	Reynote Address	′
		, ,
00.20 00.40	Lating divisition	Development)
09:20 – 09:40	Introduction	Claudius Gabinete, NAP-
	Workshop objectives	Ag National Project
	Participant introductions and expectations	Coordinator/FAOPH
	Project Background	DRR&CC Specialist
	Format	
	Short presentation followed by participant	
	introductions in small groups	
09:40 – 10:00	Presentation	Dr. Alice Ilaga, DA-
		SWCCO
	<u>Topic</u>	
	Mainstreaming CCA and DRR into agriculture	
	policies, investment planning, programme	
	implementation, and monitoring and	
	evaluation.	
10:00 – 10:15	Question and Answer	All participants
10:15 – 10:30	Tea & Coffee Break	
10:15 – 10:30 10:30 – 12:30	Tea & Coffee Break Expert Panel	Moderator: Imee Manal
	Expert Panel Integrating Agriculture in the National	Moderator: Imee Manal (UNDP)
	Expert Panel	(UNDP)
	Expert Panel Integrating Agriculture in the National Adaptation Plan	(UNDP) Ms. Maricar Palaña
	Expert Panel Integrating Agriculture in the National	(UNDP)
	Expert Panel Integrating Agriculture in the National Adaptation Plan	(UNDP) Ms. Maricar Palaña
	Expert Panel Integrating Agriculture in the National Adaptation Plan Format	(UNDP) Ms. Maricar Palaña Dr. Rex Cruz
	Expert Panel Integrating Agriculture in the National Adaptation Plan Format A panel of 5 technical experts will each be given	(UNDP) Ms. Maricar Palaña Dr. Rex Cruz Dr. Arlene Inocencio
	Expert Panel Integrating Agriculture in the National Adaptation Plan Format A panel of 5 technical experts will each be given 10-15 minutes to introduce a key topic followed	(UNDP) Ms. Maricar Palaña Dr. Rex Cruz Dr. Arlene Inocencio
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	Expert Panel Integrating Agriculture in the National Adaptation Plan Format A panel of 5 technical experts will each be given 10-15 minutes to introduce a key topic followed by 30-minute discussion session with participants addressing the key question above. Topics (TBD): National Climate Change Action Plan and	(UNDP) Ms. Maricar Palaña Dr. Rex Cruz Dr. Arlene Inocencio
	Expert Panel Integrating Agriculture in the National Adaptation Plan Format A panel of 5 technical experts will each be given 10-15 minutes to introduce a key topic followed by 30-minute discussion session with participants addressing the key question above. Topics (TBD): National Climate Change Action Plan and National Adaptation Plan	(UNDP) Ms. Maricar Palaña Dr. Rex Cruz Dr. Arlene Inocencio
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	Expert Panel Integrating Agriculture in the National Adaptation Plan Format A panel of 5 technical experts will each be given 10-15 minutes to introduce a key topic followed by 30-minute discussion session with participants addressing the key question above. Topics (TBD): National Climate Change Action Plan and National Adaptation Plan Landscape planning approach in agriculture Monitoring and evaluation of adaptation interventions Gaps and needs in climate forecasts	(UNDP) Ms. Maricar Palaña Dr. Rex Cruz Dr. Arlene Inocencio
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10:30 - 12:30	Expert Panel Integrating Agriculture in the National Adaptation Plan Format A panel of 5 technical experts will each be given 10-15 minutes to introduce a key topic followed by 30-minute discussion session with participants addressing the key question above. Topics (TBD): National Climate Change Action Plan and National Adaptation Plan Landscape planning approach in agriculture Monitoring and evaluation of adaptation interventions Gaps and needs in climate forecasts Agriculture and Fisheries Modernization Plan (How CC responsive is AFMP?)	(UNDP) Ms. Maricar Palaña Dr. Rex Cruz Dr. Arlene Inocencio
	Expert Panel Integrating Agriculture in the National Adaptation Plan Format A panel of 5 technical experts will each be given 10-15 minutes to introduce a key topic followed by 30-minute discussion session with participants addressing the key question above. Topics (TBD): National Climate Change Action Plan and National Adaptation Plan Landscape planning approach in agriculture Monitoring and evaluation of adaptation interventions Gaps and needs in climate forecasts Agriculture and Fisheries Modernization	(UNDP) Ms. Maricar Palaña Dr. Rex Cruz Dr. Arlene Inocencio

Time	Session	Lead
	Topic	
19	NAP-Ag Project work plan, activities, and	
	outputs	
	<u>Format</u>	
	Project work plan will be presented, and the	
	floor will be opened to solicit comments and	
	suggestions from participants	
	Participants will be asked to select from a short	
	list of major river basins available for piloting	
14:30 – 14:45	Tea & Coffee Break	
14:45 – 15:30	Presentation	Dir. Alice Ilaga (DA-
	Topic	SWCCO)
	Proposed institutional arrangement and project	
	area for Outcome 1 and 2 activities	
	area for Succome 1 and 2 activities	
	Format	
	Proposed Project Coordination Board will be	
	presented, and the floor will be opened to	
	solicit comments and suggestions from	
	participants	
15:30 – 16:00	Key Messages, Close and Next Steps	Dir. Alice Ilaga (DA- SWCCO)
	<u>Format</u>	
	Short discussion on key points from the	
	workshop and next steps	
16:00	Workshop End	

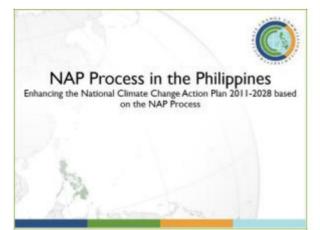
Participants

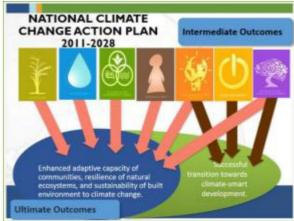
Agency	Name*	Email address	Contact number
CCC	Maricar Palana	palanams.ccc@gmail.com	09178238525
DA ASEC	Lerey A. Panes	leroy_2323@yahoo.com	
DA FPOPD	Zaida Manglicmot	da.fpopd.drreams@gmail.com	929-0140
DA OSec	Maya Gabunales-Barol	mgabunales@gmail.com	
DA OSec	Ulysses J. Lustria	uly2lustria@gmail.com	9297349
DA SWCCO	Alicia Ilaga		
DA SWCCO	Perla Baltazar	amiaphilippines@gmail.com	273-2489
DLSU	Arlene Inocencio	arlene.inocencio@dlsu.edu.ph	09223571359
FAO	Anna Dapat		
FAO	Claudius Gabinete	Claudius.Gabinete@fao.org	901-0365
FAO	Guia Marie Mortel	Guia.Mortel@fao.org	832-3641
NEDA	Maricel Solatre	mpsolatre@neda.gov.ph	
PAGASA	Analiza Solis		434-0955
UNDP	Floradema Eleazar	floradema.eleazar@undp.org	09175502874
UNDP	Imee Manal	imee.manal@undp.org	901-0222
UPLB	Rex Cruz	rocruz@up.edu.ph	09189261901
UPLB	Vicky Espaldon	mariavictoriaespaldon@gmail.com	09771947653

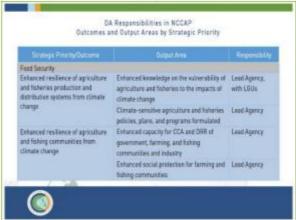
^{*} Names and info are based on those provided in the attendance sheet.

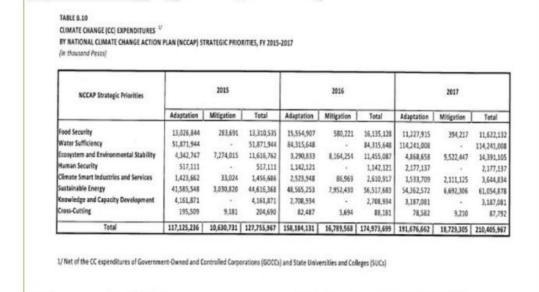
Annex 2: Presentations

Presentation 1: NAP Process in the Philippines

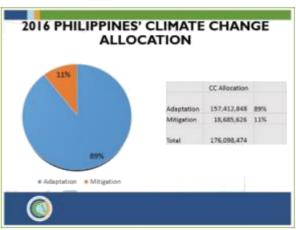




















PHILIPPINE NAP ROADMAP

Essential Functions	Steps	Indicative Activities	Indicative NAP Output	Lead Institution(s)	Support Needed	Target for Support	Timetrame
	Element A. Lay the gr	oundwork and address Gaps					
EF.1 Helping governments to provide national leader ship and coordination of adoptation efforts at all levels and to act as the main interface with regional and international	Initiating and launching of the NAP process	Briefing on NAP process Coordinating mechanism National vision and mandate for NAPs Access to technical and financial support NAP framework/strategy road map Other activities:	Mandate for the NAP process Framework and strategy for the climate change adaptation Funded project to support operations of the NAP process Road map for the NAP process	CCC CCAM NGAs Other NGAs LGUs	Technical Assistance	☐ LEG/AC ☐ NAP-GSP ☐ GEF/LDCF/SCCF ☐ Bilateral ☐ Regional Centers ☐ Domestic ☐ Others:	Q2 Y1
mechanisms EF.2 The collection, compilation, processing and dissemination of data, information and knowledge on climate change and relevant development aspects in support of adaptation	Stocktaking identifying available information on climate change impacts, vulnerability and adaptation and assessing gaps and needs of the enabling environment for the NAP process	Stocktaking of adaptation activities Synthesis of available knowledge on impacts, vulnerability and adaptation Capacity gap analysis Barrier's analysis Other activities:	Report on synthesis of available information Geospatial database in support of the NAP process Knowledge-base of observed climate impacts, vulnerabilities and potential interventions Gap and needs analysis report Barrier analysis report	CCC PAGASA	Technical Assistance	□ LEG/AC □ NAP-GSP □ GEF/LDCF/SCCF ■ Bilateral □ Regional Centers ■ Domestic □ Others:	Ø3-Y1



Existing/for review and evaluation Completed/for validation

Ongoing

PHILIPPINE NAP ROADMAP

	Element B. Preparato	ry elements					
EF.5 Analysing climate data and assessing vulnerabilities to climate change and identifying adaptation options at the sector, subrational, national and other	Analysing current climate and future climate change scenarios	Analysis of current climate Future climate risks and unce trainty centrio analysis Communicating projected climate change information Other activities:	Report on climate analysis Report on climate risks/Projected climate changes Strategy for climate information services	CCC PAGASA	Technical and Financial Assistance	LEG/AC NAP-GSP GEF/LDCF/SCCF Bilateral Regional Centers Domestic Others:	Q3-Q4 Y1
appropriate levels. EE.6 Appreciating adaptation options to support decision-making on adaptation investment plans and development planning.	Assessing climate vulnerabilities and identifying adaptation options at sector, subnational, national and other appropriate levels	Climate vulnerability easessment at multiple levels Ranking climate change risks and vulnerabilities Scoping adaptation options Other activities:	Vulnerability and adaptation assessment report	CCC CCAM NGAs Other NGAs LGUs	Technical Assistance	☐ LEG/AC ☐ NAP-GSP ☐ GEF/LDCF/SCCF ☐ Bilateral ☐ Regional Centers ☐ Domestic ☐ Others:	Q3-Q4 Y3 to
panning	Reviewing and appraising adaptation options	Appraisal of adaptation options Other activities:	Report on appraisal of adaptation options Sectoral and subnational plans or strategies	CCC CCAM NGAs Other NGAS LGUs	Technical Assistance	☐ LEG/AC ☐ NAP-GSP ☐ GEF/LDCF/SCCF ☐ Bilateral ☐ Regional Centers ☐ Domestic ☐ Others:	Q1 Y2
	Compiling and communicating national adaptation plans	☐ Draft national adaptation plans ☐ Finalization of NAPs and process endorsement	Draft NAP for review Endorsed NAP	CCC NEDA DBM	**	□ LEG/AC □ NAP-GSP □ GEF/LDCF/SCCF □ Bilateral	Q1-Q2 Y2



Legend:

Existing/for review and evaluation Completed/for validation

Ongoing

PHILIPPINE NAP ROADMAP

EF.7	Prioritizing	National criteria for		CCC	☐ LEG/AC	Q3-Q4 Y1
Promoting and facilitating the prior tiration of climate change adaptation in national planning EF.8	climate charge adaptation in national planning ** through the CCET at the level of PAPs	prior tizing implementation dentification of opportunities for building on existing adaptation activities Other activities:		DBM NGAs LGUs	□ NAP-GSP □ GEF/LD CF/SCCF □ Bilateral □ Regional Centers □ Domestic □ Others:	
Facilitating the implementation of adaptration at all levels, through appropriate policies, projects and programmes, taking into account opportunities for synergy.	Developing a (long-term) national adaptation implementation strategy *** at the level of NCCAP	□ Strategy for adaptation implementation □ implementation of NAPs through policies, projects and programmes Other activities:	Implementation strategy for the NAP	CCC NEDA	□ LEG/AC ■ NAP-GSP □ GEF/LDCF/SCCF ■ Bilateral □ Regional Centers ■ Domestic □ Others:	Q3-Q4 Y1
No.	☐ Enhancing capacity for planning and implementing adaptation	□ Strengthening lone-term institutional and regulatory frameworks □ Training at sectoral and subnational levels □ Outreach on outputs at the national level and promotion of international cooperation Other activities:	National training and outreach programme(s)	CCC NEDA	LEG/AC NAP-GSP GEF/LDCF/SCCF Bilateral Regional Centers Domestic Others:	Q3 Y1 continuous



Legend:

Existing/for review and evaluation Completed/for validation

Ongoing

PHILIPPINE NAP ROADMAP Clement D. Reporting, monitoring and review I dentify (few) areas of the large report/Monitoring Plan | CCC | LEG/AC | MAP property reports monitoring the large report of the large

EF.9 Facilitating the monitoring, review and updating of adaptation plans over time, to ensure progress and the effectiveness of adaptation efforts and to demonstrate how gaps are being addressed. EF.10	☐ Monitoring the NAP process	☐ identify (few) areas of the NAP processor monitor progress, effectiveness and gaps (PEG) ☐ Define metrics for documenting PEG ☐ Collect information throughout the NAP process to apply the metrics. developed Other activities:	Metrics report/Monitoring Plan Database of metrics	CCC NEDA DILG	□ LEG/AC ■ NAP-GSP □ GEF/LDCF/SCCF ■ Bilateal □ Regional Center: ■ Domestic □ Others:	Q2 Y2 continuous
Coordinating reporting and outreach on the NAP process to stakeholders nationally and internationally on progress to the Convention.	☐ Reviewing the NAP process to assess progress, effectiveness and gaps	Synthesis of new assessments & energing science and the results and outcomes from implemented adaptation activities Evaluate metrics collected to assess progress, effectiveness and gaps of the NAP process Other activities:	Evaluation report	CCC NEDA DILG	■ LEG/AC □ NAP-GSP □ GEF/LDCF/SCCF ■ Bilateral □ Regional Centers ■ Domestic □ Others:	Q2 Y2 continuous
King (Marie Marie Ma Marie Marie Ma	Iteratively updating the national adaptation plans	□ Repeat some steps and update NAPs and related documentation □ Production of updates to the NAP outputs aligned with relevant national development plans	Updated NAPs	CCC NEDA DILG	☐ LEG/AC ☐ NAP-GSP ■ GEF/LDCF/SCCF ■ Bilateral ☐ Regional Centers ■ Domestic	Q2 Y2 continuous



Legend:

Existing/for review and evaluation Completed/for validation

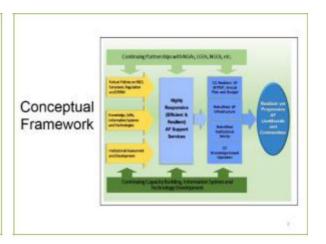
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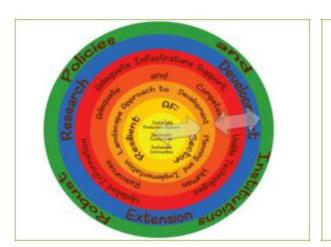


Presentation 2: Landscape Approach (Integrated Area Development Approach) to **Agricultural Development Planning**

Landscape Approach (Integrated Area Development Approach) to Agricultural Development Planning

Rex Victor O. Cruz

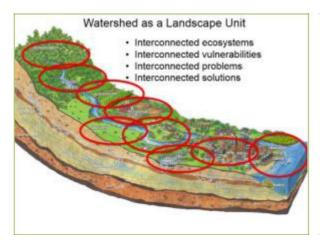


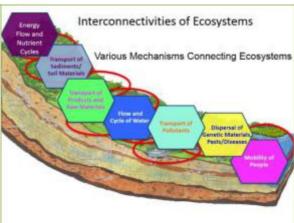


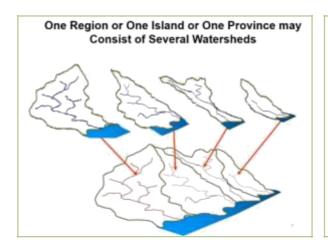
What is Landscape Approach

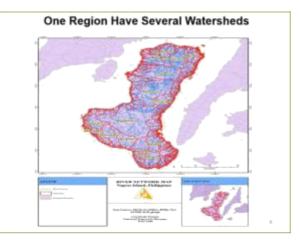
- Use of landscape unit (e.g., watershed/river basin, island) as the unit of analysis for planning and decision-making
 - Situational analysis

 - Problem analysis
 - Land use allocation
 - · Formulation of interventions

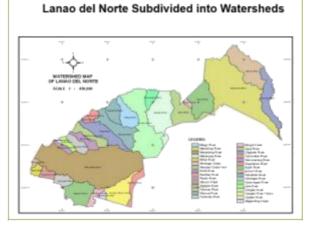












Implications on Agriculture

- · Appropriate decision-making domain transcends raditional boundaries and methods

 Beyond farms and agricultural lands

 Beyond agricultural sector

 - · Beyond farm and commodity-based planning, budget allocation and implementation

Implications on Agriculture

- · Decision-making process considers

 - Multiple goals
 Multi-ecosystems
 Multi-stakeholders
 - Multisectoral
 - · Multi-agencies
 - · Multi-disciplinary Multi-temporal

 - · Multi-scale and levels

Implications on Agriculture

- · Choice on crops and cropping systems based on:
 - · Crop suitability based on production
 - · Impacts on soil
 - · Impacts on water
 - · Impacts on biodiversity
 - · Onsite impacts
 - · Offsite impacts

Implications on Agriculture

- Sector Development Goals and Targets are calibrated against:
 - Actual areas with potential for ecologically safe and economically viable crop production
 - · Local social and cultural circumstances
 - Resources endowments of field implementing units
 - · Goals and targets of other sectors and agencies

Expected Outcomes of Landscape Approach

- Promote sustainability of landscape and linked ecosystems
- Promote integration and harmonization of sectorial goals and programs
- · Determine best combination of major land uses
 - . Best areas for agriculture
 - · Best crops in agricultural areas



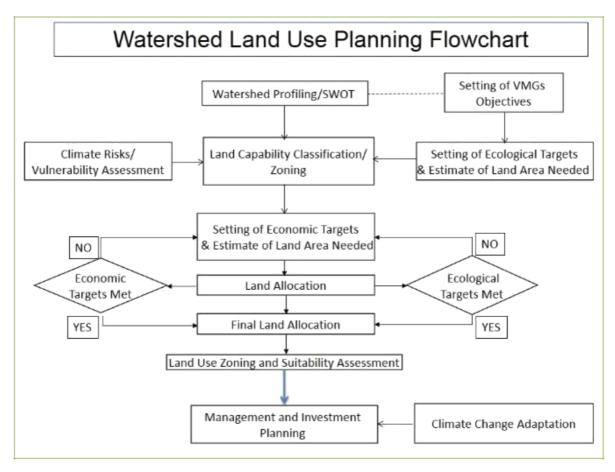
Unification of Goals, Plans and Programs of Various Government Agencies Bureau of Fishery Luigation Administration, Days of Agriculture, LGUS, NWSB Power Corporations Const.

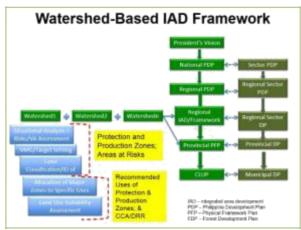


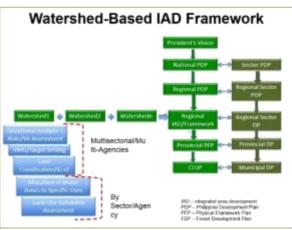
Watershed-Based IAD Dev't Planning: KEY STEPS

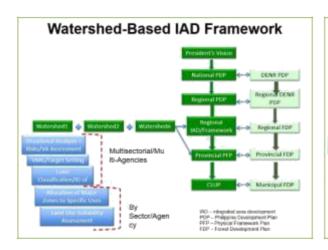
- Formation, training and mobilization of multisector, interagency and multi-disciplinary planning teams
- 2. Land use planning for each watershed in the province
- Development of integrated provincial PFP using watershed land use plans, National and Regional PDP as inputs
- 4. Realignment of all CLUPs to provincial PFP
- Guided by CLUP and watershed land use plans the following can be developed:
 - a. Agricultural development plan
 - b. Forest development plan
 - c. LCCAP
 - d. DRRMP
 - e. PA management plan
 - f. Other sector plans

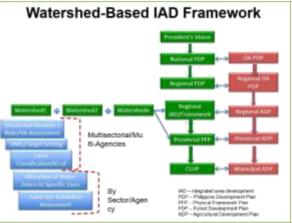
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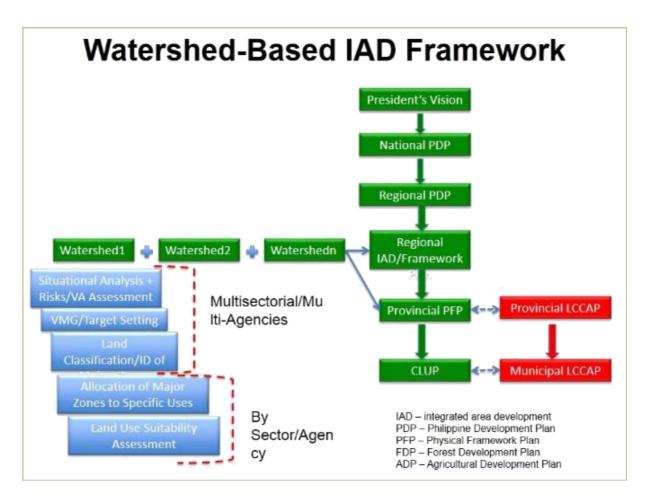












Presentation 3: M & E for Adaptation Intervention



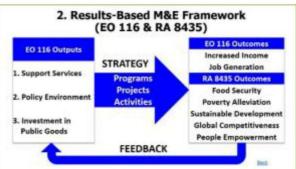
1. Why build M&E systems

- . M&E is not an end in itself
- M&E is a crucial function that informs decision-making
- Organizations build M&E systems bec, they believe such systems will help improve performance
- ** Will require a set of policy statements to promote & strengthen its practice & use

M&E systems can be used to support:

- 1) Planning & policy making
- 2) Program improvement / management
- 3) Resoure allocation, budgeting
- 4) Government control, coordination
- 5) Accountability, transparency
- 6) Participation by civil society









3. Sample-Technical Support to Build M&E at the Department

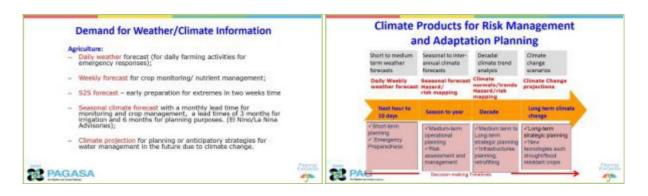
- 1) Participatory diagnostic
- 2) Setting up Institutional mechanisms
- 3) Training
- A) Participatory elaboration /improvement of Results-Based Monitoring (workshop)
 Sypport at a distance
- 6)Revision, presentation, discussion & technical validation (workshop) 7) Finalization & validation
- 8) Dissemination & use

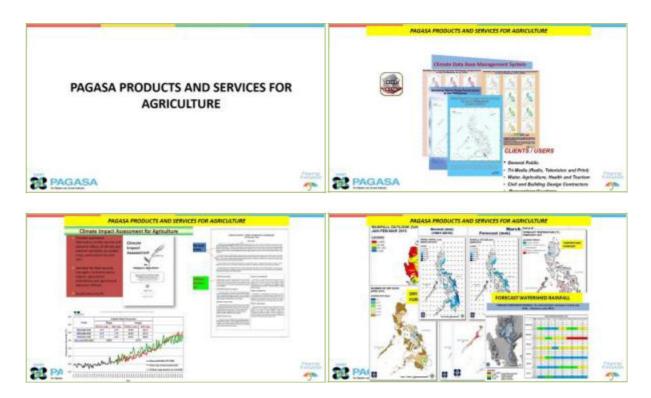
4. Challenges for M&E in a Landscape

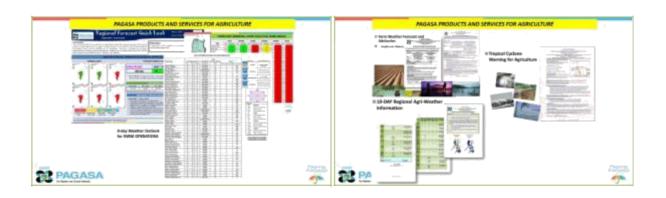
- 1) Definition and goals
- 5) Working with uncertainties
- 2) Multi-sectoral issues & engaging stakeholders
- 6) Attribution difficulty
- Scales, leakages, permancency, externality & ancillary impact
- 7) Inadequate capacity for assessment, and M&E
- 4) Availability of data & information
- 8) Practicality of methods & tools

Presentation 4: Gaps, Needs and Challenges in Climate Forecast Products to Address Climate Change Challenges on Farmers and Fisherfolks











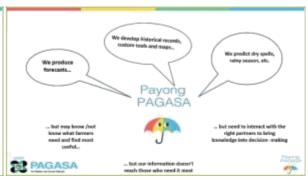


GAPS/NEEDS

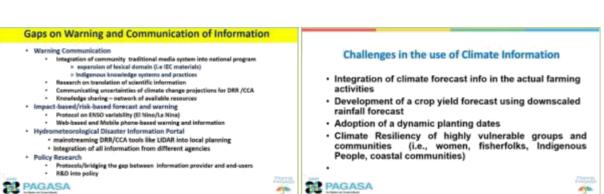
- · Sub-seasonal to seasonal forecast products
 - the key range both from the physical perspectives of the climatic drivers of extremes, and for decision—makers to have sufficient time to take pre-emptive actions
- · From climate science to climate services
 - · Information and research and forecast tools/technologies
 - Adaptation tools
- · Warning and communication of information
- Forecast economic value
- ROI, cost/loss

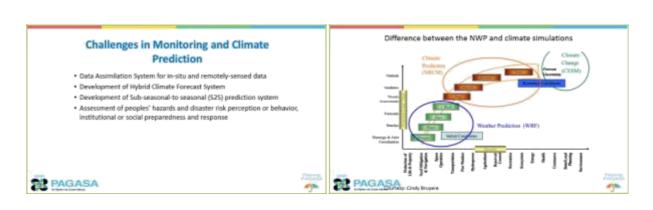












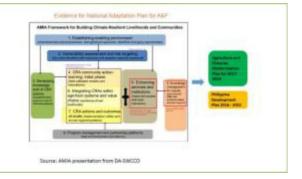
Presentation 5: Agriculture and Fisheries Modernization Plan (AFMP) Updates

Agriculture and Fisheries Modernization Plan (AFMP)

Updates as of October 26, 2016

- Section 13 of Republic Act No. 8435 or the Agriculture and Fisheries Modernization Act (AFMA) of 1997 has mandated the DA to formulate an Agriculture and Fisheries Modernization Plan (AFMP) to develop the agriculture and fisheries sector with focus on food security, poverty alleviation and social equity, income enhancement and profitability (especially for farmers and fisherfolk), global competitiveness and sustainability.
- The plan formulation process should be participatory in consultation with farmers and fisherfolk, private sector, NGOs, peoples organizations and the appropriate government agencies and offices.
- The first AFMP 2001-2004 was formulated by the DA with assistance from the Pilot-Testing of Participatory Agricultural Planning Systems (PPAPS) Project in 2000.
- The second AFMP covers the period 2011-2017. It differs from the
 previous AFMP by adopting a value chain development approach and it
 mainstreams climate change concerns in the plan rather than addressing
 it independently.

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Presentation: The NAP-Ag Programme







Target group

Senior policymakers and technical staff at the national and sub-national levels, involved in the planning, priority setting, and budgeting for sustainable development leading the process of mainstreaming climate change concerns into the agricultural-sectors within existing planning and budgeting processes and frameworks.

Key institutions include:

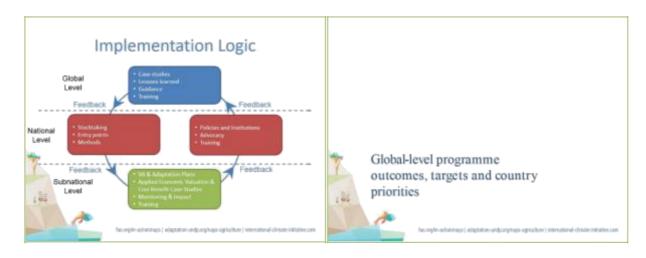
- Agriculture (including Forestry and Fisheries)
- Environment
- Planning and Finance

Important stakeholders include :

- Housing
- Land and Community Development
- Water, Women's Affairs, Urban Development
- Inter-departmental working groups on climate change and national
- meteorological institutions
- Private sector Civil society

Innovative features

- · Unique collaboration between FAO and UNDP:
- · synergy with complementary expertise
- · Addresses both technical and functional capacities for mainstreaming climate change adaptation in planning and budgeting processes
- Incentivizes fast moving countries and catalytic ideas with funds reserved at HQ
- · Global and national/sub-national level feedback built
- into implementation logic







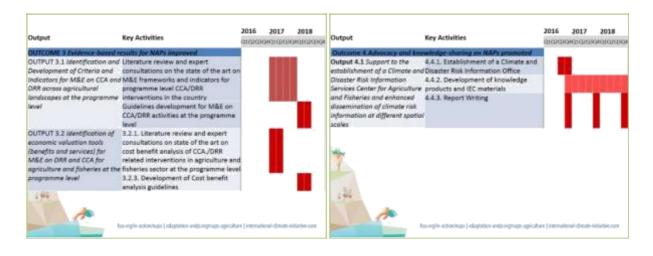


Presentation: The Workplan









Presentation: Institutional Arrangement

