



SUSTAINABLE UPLAND FARMING THROUGH THE ESTABLISHMENT OF CONSERVATION FARMING VILLAGE (SAGIP SAKA), LIGAO CITY, ALBAY, PHILIPPINES



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Implementing and supporting agencies





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Some Facts:

- There are 25 million people in the uplands, where poverty incidence ranges from 27–40%
- 75% or 22.88M ha of the country's total land area already suffers slight to severe erosion
- Soil erosion affects 70% of the 13 million ha of A&D lands

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Some Facts:

- There are 14.3 million ha of sloping lands (16–50% slope) in the country
- Bicol region has a total of 664,776 ha affected by erosion:

511,197 ha – With moderate erosion

153,579 ha – With severe erosion.

(http://www.neda5.net/rpfp/environmental_mgt.htm)

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CONSERVATION FARMING VILLAGES PROJECT

The CFV Project



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...conserving the upland resources towards improved human lives amidst climate change.



The project was...

- ... funded by the National Economic and Development Authority (NEDA) under its KR2 Project and;
- ...coordinated by the Philippine Council for Agricultural Aquatic Resources Research and Development (PCAARRD)
- ... implemented by BU-CAF and LGU-Ligao City

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The project was...

- ... a **modality** for enhancing the transfer of conservation farming technologies and practices anchored on
- participatory planning,
 - monitoring, and
 - evaluation processes at the community level.





The project was...

... a concept of a model village where majority, if not all, of the farmers practice, on a sustainable basis, technologies like:

- ✓ **alley-cropping**
- ✓ **bench terracing**
- ✓ **minimum tillage**
- ✓ **composting**
- ✓ **nutrient recycling**
- ✓ **mulching**
- ✓ **other sloping agricultural land mgt. technologies.**

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The project was...

- Designed to promote and develop farming technologies and practices on how to utilize and manage the upland resources on a sustainable basis and improve the well-being of communities in the project area.



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The project's main objective...

Implement conservation practices in upland communities to sustain and improve human lives through better :

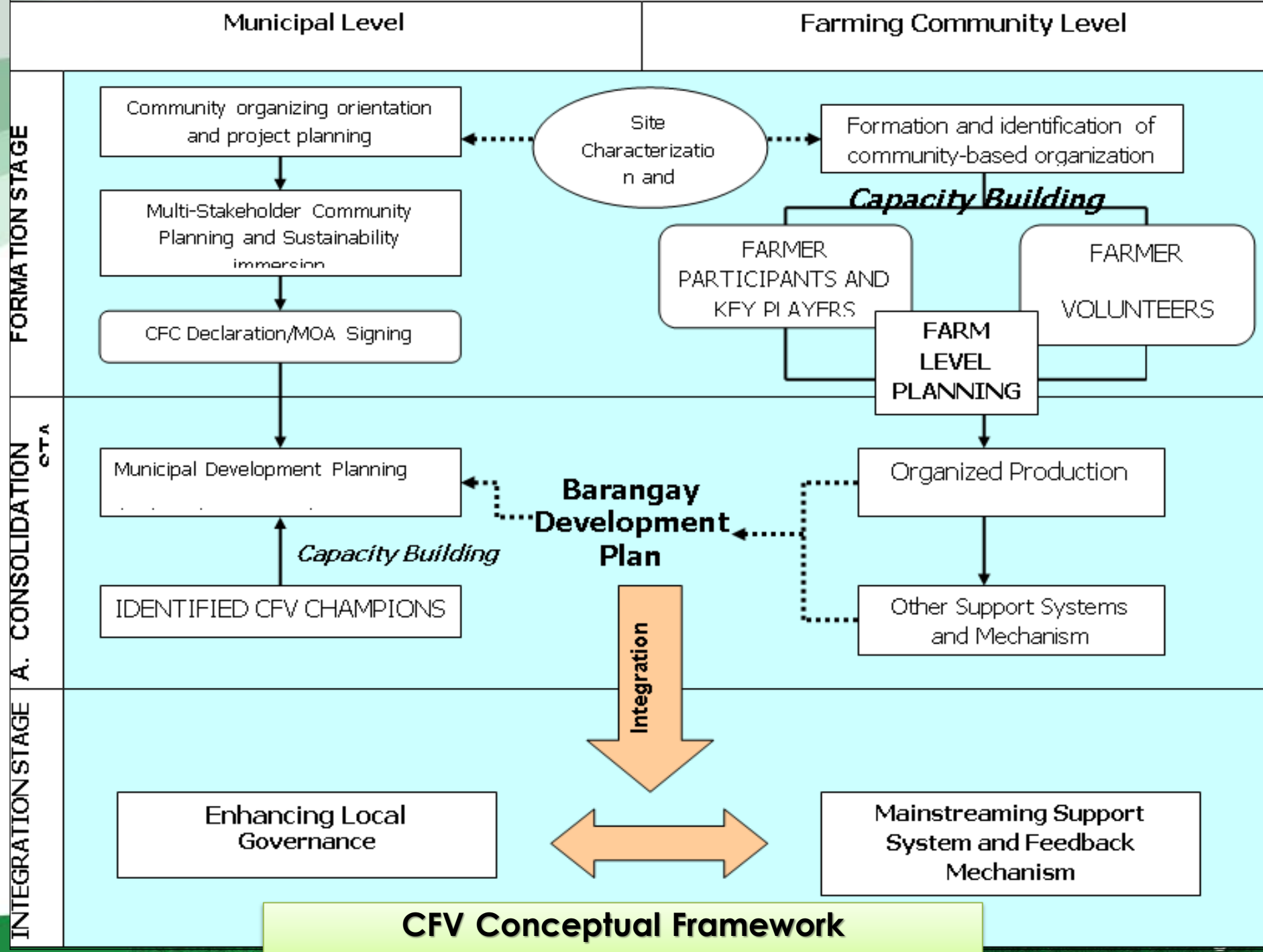
- ✓ livelihood
- ✓ agricultural productivity
- ✓ environmental security



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The Implementation Process



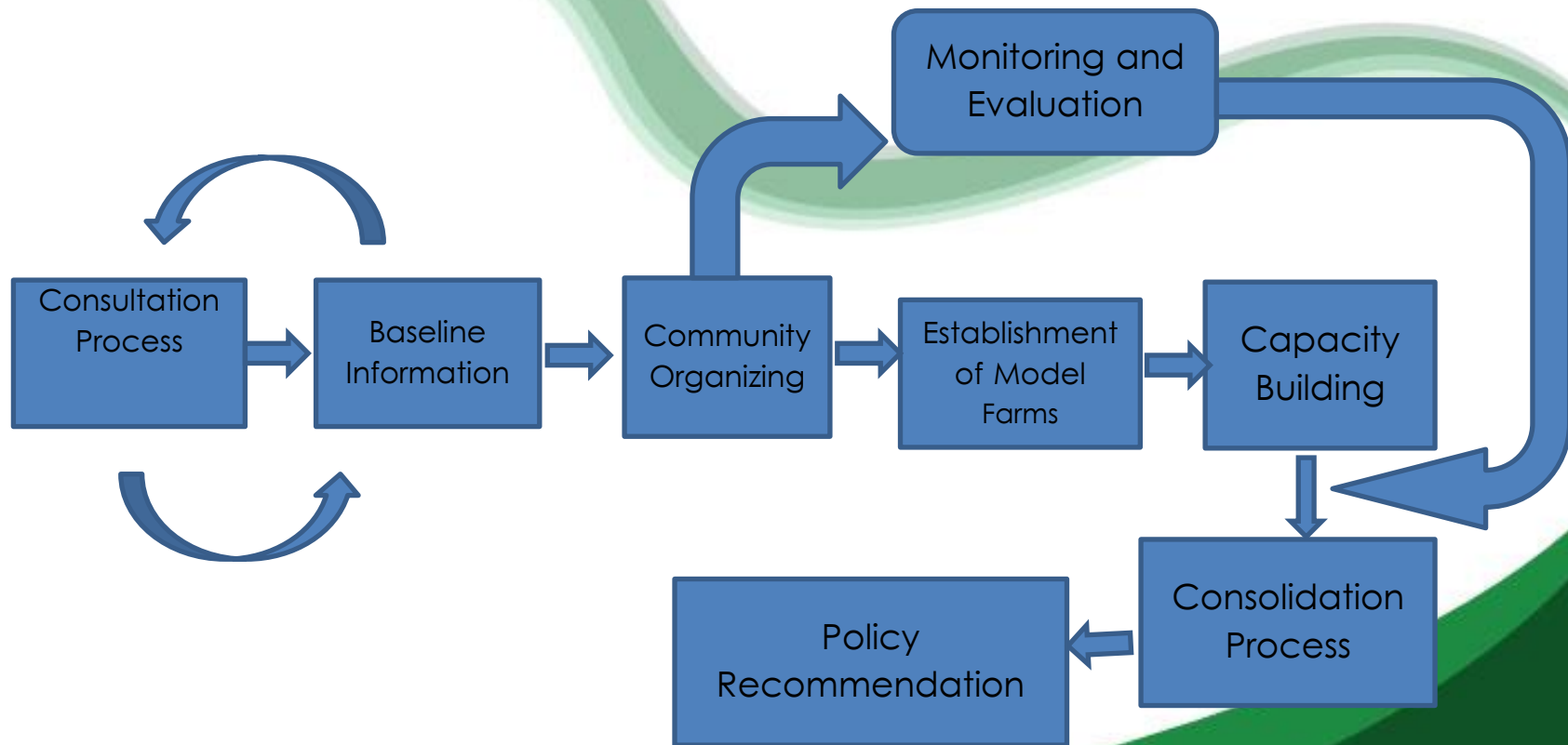
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CFV Implementation Process

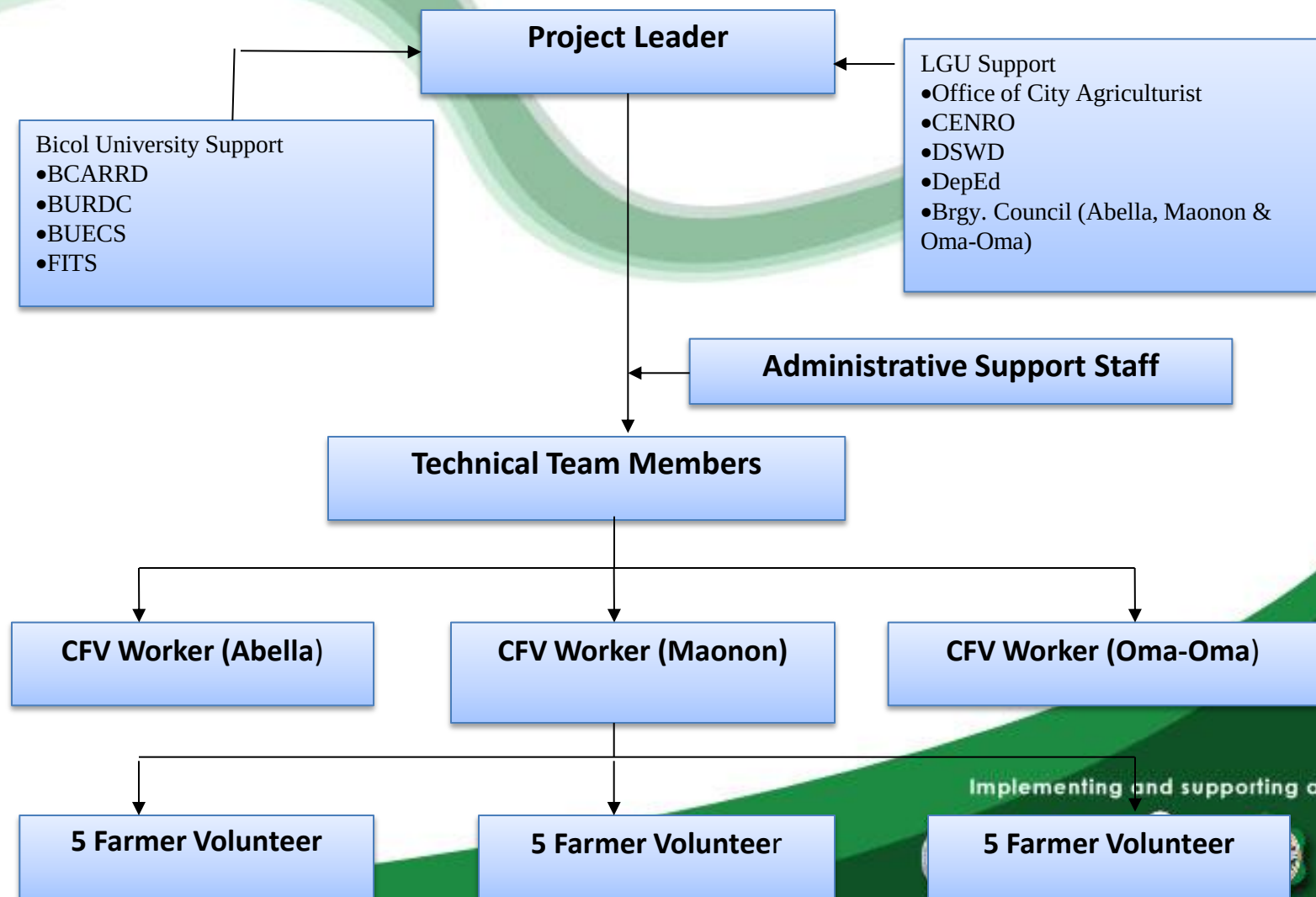


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Organization and Management



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The project is
Located in the
three (3)
barangays of Ligao
City, namely:

- ✓ **OMA-OMA**
- ✓ **ABELLA**
- ✓ **MAONON**



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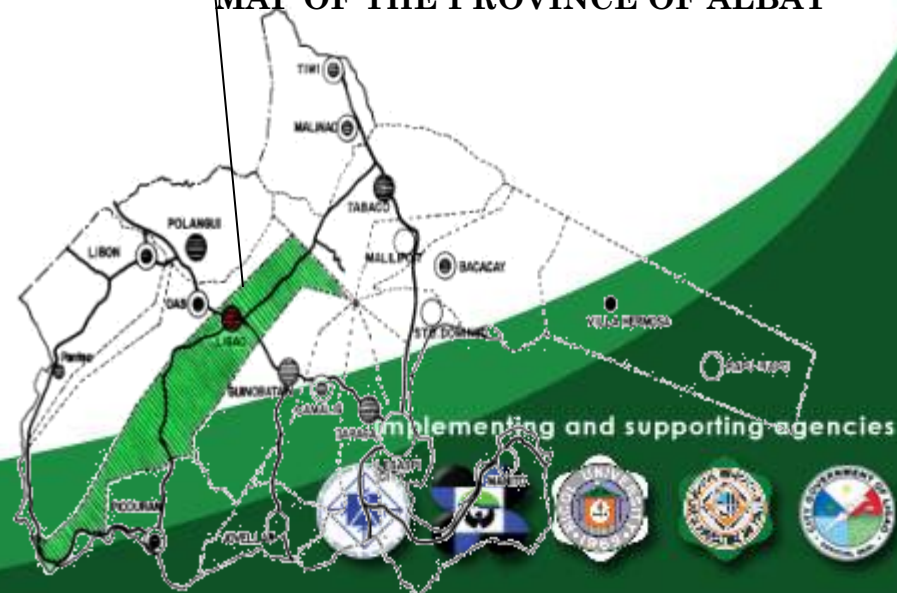


CONSERVATION FARMING VILLAGES PROJECT

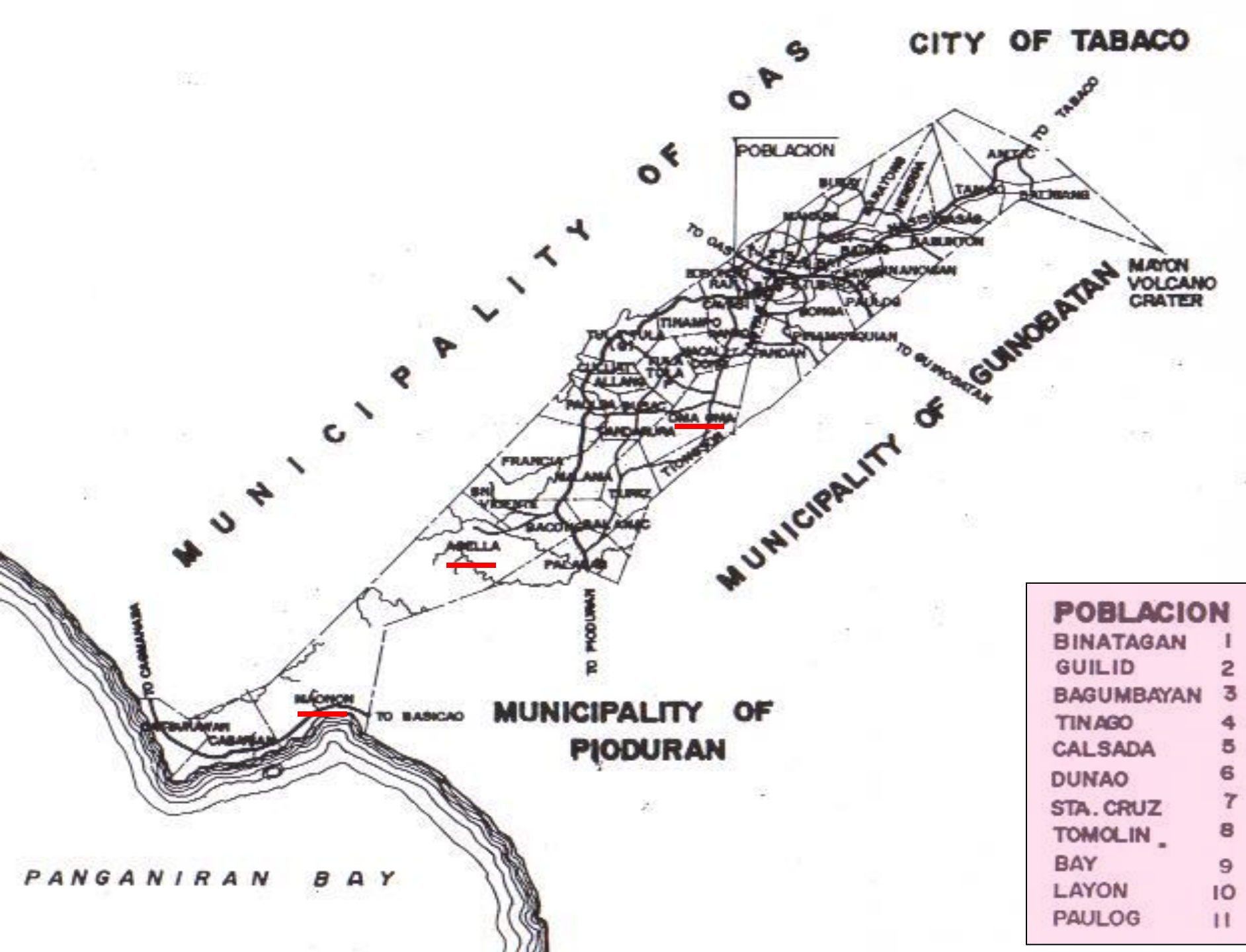
MAP OF BICOL REGION



MAP OF THE PROVINCE OF ALBAY



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CONSERVATION FARMING VILLAGES PROJECT

Outputs of the Project



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Established three (3) Conservation Farming Villages (CFV)



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**Encourages 13 other barangay
and 2 sitios in Ligao City to
adopt SLM Technologies**



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LAGES PROJECT



CONSERVATION FARMING VILLAGES PROJECT

15 Model Farms Established



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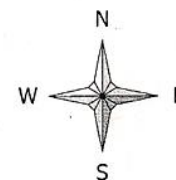
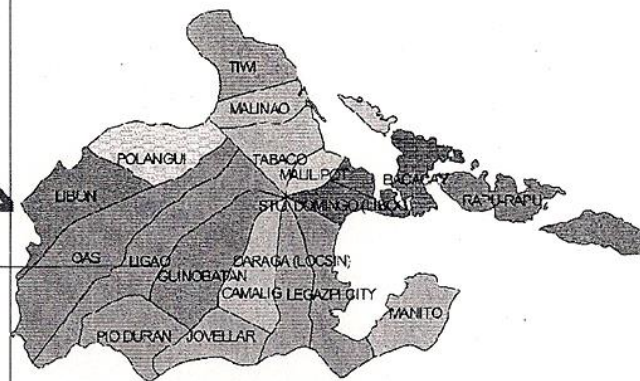
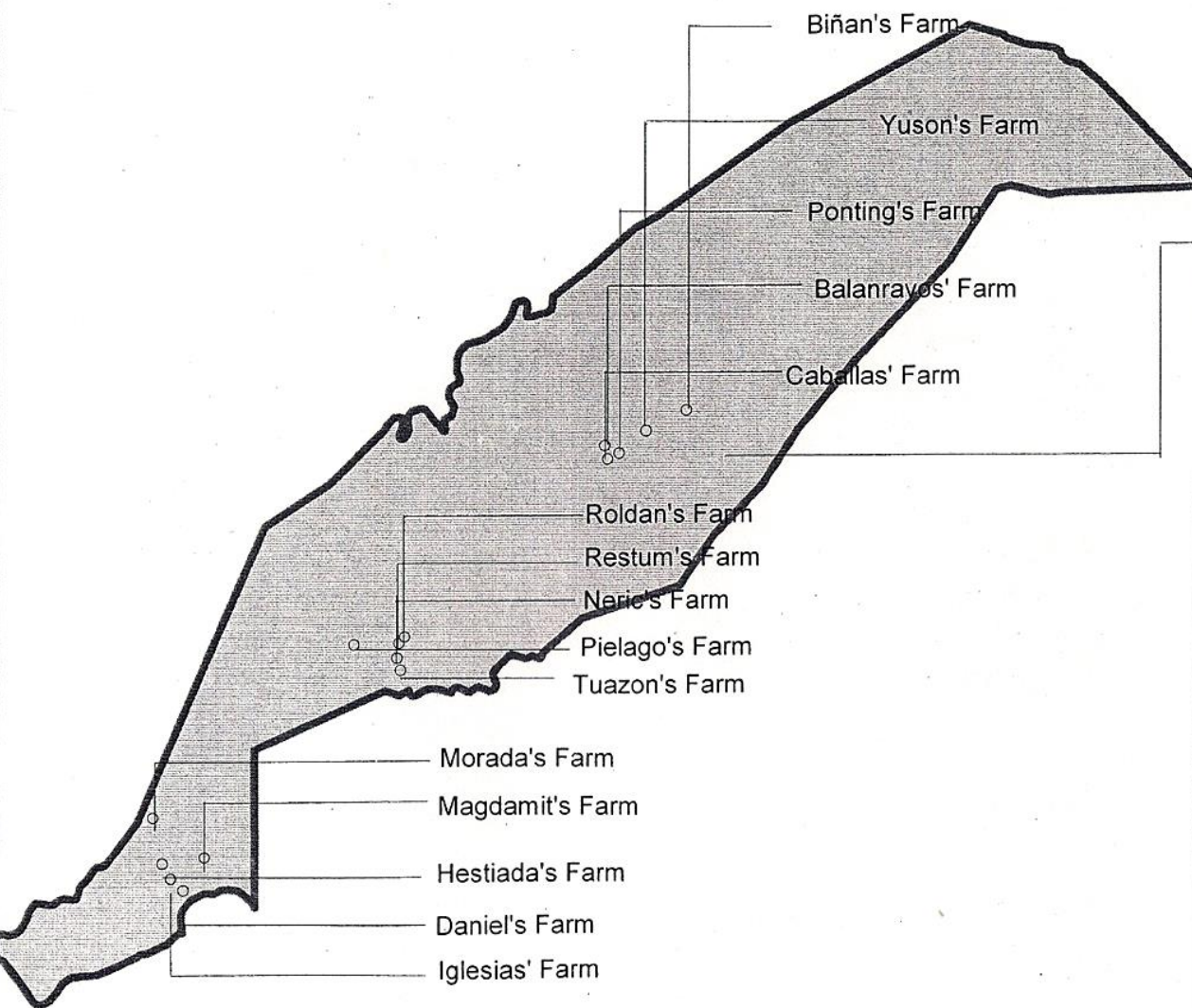
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Establishment of S&T based model farms



Location of Model Farms



MAP SHOWING THE LOCATION OF FARMS

Located at

Barangay: Abella, Maonon, Oma-oma
Municipality/City: Ligao
Province: Albay

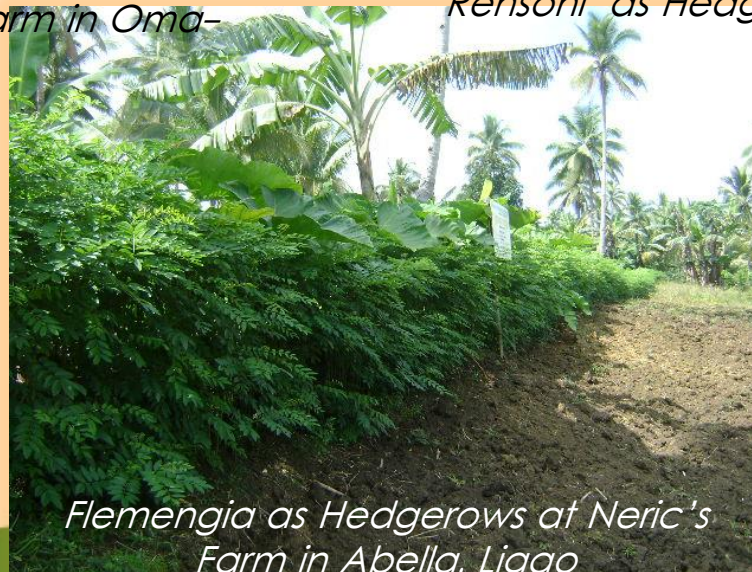
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Rockwalls at Balanrayos' Farm in Oma-Oma



Rensoni as Hedgerows at Daniel's Farm in Maonon, Ligao



Flemengia as Hedgerows at Neric's Farm in Abella, Ligao

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Planted Peanut at Restum Farm in Abella



Upland Rice at Yuson's Farm in Oma-Oma



Hestiada's Farm in Maonon, Ligao

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Healthier corn crops at Caballas Farm in Oma-Oma, Ligao City



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Vermi composting is already being done in the CFV Model

A newly established farm adopting SLM Technology at Abella, Ligao City



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A farm practicing a mulching along contour

*Seed Production of contour hedgerows species (**Flemengia**) at CFV Model farms.*





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Number of farmer adopters trained



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Table 1. Number of farmers adopting sloping land management technologies in the different sites of the CFV project in Ligao City.

CFV SITES	NUMBER OF FARMERS ADOPTING SLM TECHNOLOGIES			TOTAL
	2009	2010	2011	
1. ABELLA	13	28	0	41
2. OMA-OMA	15	33	26	74
3. MAONON	23	30	0	53
TOTAL	51	91	26	168

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Merwin Pielago's Farm (farmer adapter)

Location : Sitio Pagsabangan, Abella, Ligao City

Date Established: Nov. 2009

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Pablito Pielago's Farm (farmer adapter)

Location : Sitio Pagsabangan, Abella, Ligao City

Date Established: Nov. 2009

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Pablito Pielago's Farm (farmer adapter)

Location : Sitio Pagsabangan, Abella, Ligao City

Date Established: Nov. 2009

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Salvacion Precones Farm (farmer adapter)

Location : Tibao, Oma-Oma, Ligao City

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Aldren Abraham's Farm (farmer adapter)

Location : Sitio Tigbao, Oma-Oma, Ligao City

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*Demetrio Garcia's
(CFV Worker)*

Location : Sitio Suha, Oma-Oma, Ligao City

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Salvador Ros
(farmer adaptor)

Location : Sitio Suha, Oma-Oma, Ligao City

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(farmer adaptor)

Location : Sitio Karupag, Oma-Oma, Ligao City

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CONSERVATION FARMING VILLAGES PROJECT

Conducted 3 Field Days



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CONSERVATION FARMING VILLAGES PROJECT

“Turuparan sa Bakilid”:
Oma-Oma CFV
Field Day

- October 7, 2010
- An estimated of about 400 guests & participants.



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“Turuparan sa Bakilid”:
Maonon CFV Field Day
–February 24, 2011
– An estimated of
about 350 guests &
participants.



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CONSERVATION FARMING VILLAGES PROJECT



“Turuparan sa Bakilid”:
Abella CFV Field Day
–March 31, 2011
– An estimated of
about 300 guests &
participants.



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A Total of 14 trainings conducted

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- Training 1 – Barangay Development Planning Part 1 (Situational Analysis)
- Training 2 – Barangay Development Planning (VGO Setting and Identification of Development Undertakings)
- Training 3 – Orientation and Onsite Training on Demo Farm Establishment
- Training 4 – Farmers Orientation and training-workshop on Soil Conservation Technologies
- Training 5 – Magbiahe, makatukita(A moving and Learning Training)

Supporting agencies



- Training 6 – CFV Farmers Training on Vegetable Production
- Training 7 – Training on Nursery Establishment and Management
- Training 8 – 2nd Farmers Orientation and Training workshop on Soil Conservation Technologies
- Training 9 – CFV Farmers Orientation and Training workshop on Soil Conservation Technologies for expansion barangays in Ligao City
- Training 10 – National CFV Farmer Volunteers Conference cum Training Workshop





- Training 11 – Vegetable Production Training for CFV Farmer Adaptors
- Training 12 – Nursery Management Part II: Planting Stock Production and Establishment
- Training 13 – 3rd Farmers Orientation and Training workshop on Soil Conservation Technologies
- Training 14 – Soil Erosion Measurement and Rainfall Data Collection

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3 CFV Nurseries

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Oma-Oma Nursery



agencies





Abella Nursery



g agencies





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BUCAF- CFV Nursery



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Barangay Conservation Farming Information Service or Training Shelter (CFIS) Established

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Partnering agencies



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Organization Formed

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Supporting agencies



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Initial Outcomes of the Project



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Table 2. Response of farmers on the benefits derived from the CFV project

BENEFITS DERIVED FROM THE CFV PROJECT	F	%	Rank
- Enhanced farm development and improved farm production and income.	4	26.7	2 nd
- Decreased/controlled soil erosion by means of SLM technologies.	5	33.3	1 st
- Enhanced the knowledge in Sloping Land Management (SLM) through trainings and seminars.	3	20	3 rd
- Confident in doing farm activities and practices.	2	13.4	4 th
- Enhanced inter-relationship between and among farmers in the community.	1	6.6	5 th
TOTAL	15	100	

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Physical Effect

Before



After



Yuson's Model Farm at Brgy. Oma-Oma, Ligao City

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Physical Effect

Before



After



Binan's Model Farm at Brgy. Oma-Oma, Ligao City

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Physical Effect

Before



After



Hestiada's Model Farm at Brgy. Maanon, Ligao City

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Physical Effect

Before



After



Neric's Model Farm at Brgy. Abella, Ligao City

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Cross Visit to CFV



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Oxfam Hongkong Visit to CFV Model Farms



Supporting agencies



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Oxfam Hongkong Visit to CFV Model Farms



Supporting agencies



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Oxfam Hongkong Visit to CFV Model Farms



Supporting agencies





Japanese Students Visit to CFV Model Farms



Supporting agencies





Japanese Students Visit to CFV Model Farms



Supporting agencies





National CFV



and supporting agencies





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National CFV



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Farmers from Camarines Sur



Supporting agencies





UPLB and LGU Batangas



ing agencies



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Graduate Students



ing agencies





Graduate Students



ing agencies





Graduate Students



ing agencies



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Upscaling of CFV Approach



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Mr. Lopito Grebialde, (0.50 ha.)

Brgy. San Rafael, Castilla, Sorsogon



Partnering agencies



...conserving the upland resources towards improved human lives amidst climate change.



Mr. Lopito Grebialde, (0.50 ha.)

Brgy. San Rafael, Castilla, Sorsogon



supporting agencies





Mr. Salvacion Petes, (0.50 ha.)

Brgy. Paulog, Ligao City



supporting agencies





Mr. Salvacion Petes, (0.50 ha.)

Brgy. Paulog, Ligao City



supporting agencies





Mr. Richard Cenaon, (0.50 ha.)

Brgy. Antipolo, Baao, Camarines Sur



Supporting agencies





CONSERVATION FARMING VILLAGES PROJECT

Mr. Richard Cenaon, (0.50 ha.)

Brgy. Antipolo, Baao, Camarines Sur



and supporting agencies



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Conclusions and Recommendations



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Conclusions

The following are the conclusion of the project:

- The CFV approach is a good strategy in enhancing the adoption of SLM technologies in Ligao City.
- The partnership between the LGU and academe is a good mix in extending SLM technologies to upland farmers.

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Conclusions

The following are the conclusion of the project:

- Empowering the project partners through the Farmer Volunteers (FVs) is an effective approach in the transfer and enhancing adoption of SLM technologies.
- Through the establishment of linkage mechanism between and among research and extension and other entities, sustainability of the CFV strategy and endeavor is further assured

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Recommendations

The following are the suggestions for further research and development undertakings:

- There is a need to conduct an impact study to further determine the effects of project's intervention on the environment and socio-economic well-being of the farmers and their family; and

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Recommendations

- Quantification of the actual farmers income and documentation of soil improvement in the CFV sites are indeed necessary to determine the impact of the study.
- As part of the policy recommendation, it is suggested that LGU's should come-up with a policy/ordinance to adopt conservation farming or SLM technologies in their upland farms.

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Dios Mabalos!!!

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