



EFICAS project

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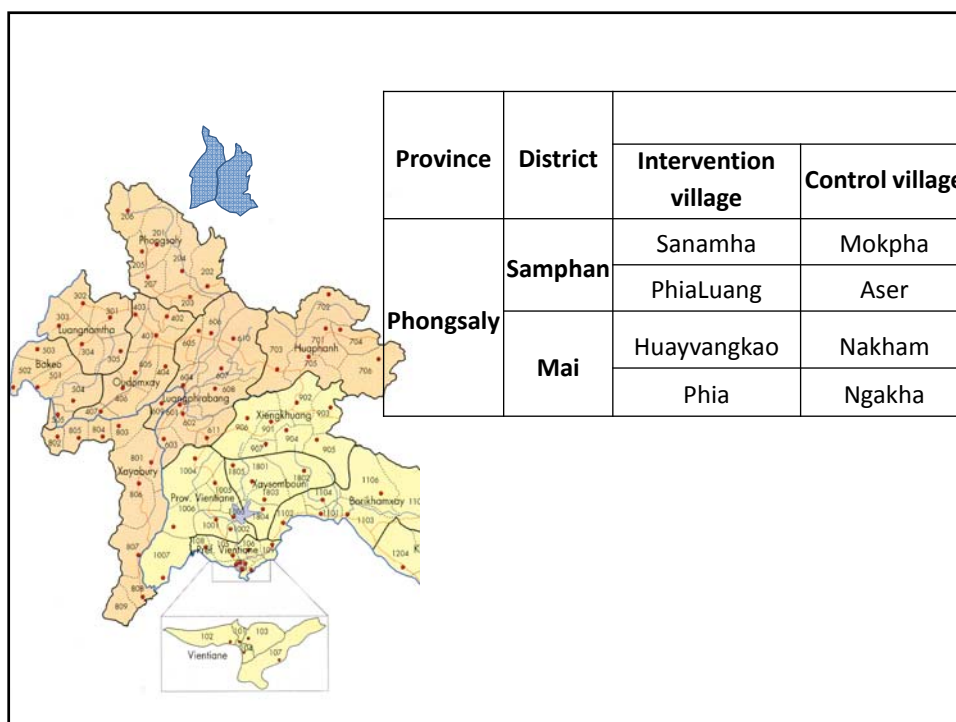
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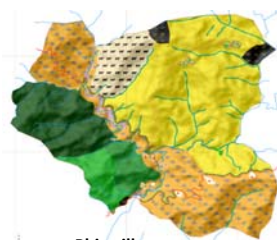
AFD

## Community-based Agricultural Development Plans 2016 – 2017, Phongsaly province

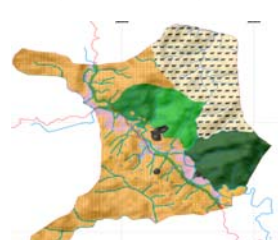
EFICAS workshop, Monday, March 27th 2017, Luang Prabang



## Participatory land use planning



Phia village  
(DAFO& EFICAS, 2015)



Huayvangkao village  
(DAFO& EFICAS, 2015)



PhiaLuang village  
(NUDP/GIZ, 2012)



Sanamha village  
(GIZ, 2012)

## Activities implemented in 4 intervention village

No	Activities	PhiaLuang	Sanamha	Phia	Huayvang kao
<b>I</b>	<b>Livestock systems improvement</b>				
1	Fencing	✓	✓	✓	✗
2	Forage improvement	✓	✓	✗	✗
3	Water tank	✓	✗	✗	✗
4	Animal health	✓	✓	✓	✓
5	Animal stall	✓	✓	✗	✗
6	Study tour	✓	✓	✓	✓
7	Pig raising improvement			✓	
8	Fish pond improvement	✓			✓
<b>II</b>	<b>Cropping system improvement</b>				
1	Upland rice collection	✓	✓	✓	✓
2	Integrated cropping systems (upland rice + pigeon pea)	✓	✗	✗	✗
3	Testing on improve cardamom	✓	✓	✓	✗
4	Coffee improve				
5	Green house for rainy season product (Vegetable)	✗	✗	✗	✓
6	Paddy field protection by erosion	✗	✗	✓	✓
<b>III</b>	<b>6. Self monitoring and evaluation of activities</b>				
1	Experience exchange workshop	✗	✗	✗	✗
2	M&E by village land management committee	✓	✓	✓	✓

## I. Livestock improvement

### 1. Fencing area

District	Villages	2015		2016		2017	
		Fencing area	HH involved	Fencing area	HH involved	Fencing area	HH involved
Samphan	Phialuang	85	23	85	17	85	12
	Sanamha	113	12	113	12	113	12
Mai	Phia					101	10
	Huayvangkao					15	12
Total	4	198	35	198	29	314	46



## I. Livestock improvement

### 2. Forage improvement

District	Villages	2015			2016			2017		
		Fencing area	Forage area	HH involved	Fencing area	Forage area	HH involved	Fencing area	Forage area	HH involved
Samphan	Phialuang	85	0,6	23	84	1,5	17	84	1	12
	Sanamha	113	0,8	12	112	1,4	12	112	4	12
Mai	Phia							101	2	10
	Huayvangkao							15	2	12
Total	4	198	1,4	35		3	29		9	46



## ***I. Livestock improvement***

### **3. Animal health**

	2015					2016				
Name of animal	Buffalo	Cattle	Goat	Pig	Poultry	Buffalo	Cattle	Goat	Pig	Poultry
No of Animal	26	61	18	150	260	29	112	39	441	1331
No of Animal has vaccine	18	46	0	76	106	6	67	37	151	379
%Animal has vaccine	69	75	0	51	41	21	60	95	34	28



## ***I. Livestock improvement***

### **3. Cowsheds and water tank for animal**

Phialuang village



Sanamha village





## I. Livestock improvement

### 4. Pig raising systems (Phia village)

Item	2015	2016	2017
HH	2	2	1
Pig	3		
Maize grinder		1	
Cement (T)			0,5



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## II. Cropping system improvements

### 1) Integrated cropping systems (upland rice+pigeon pea)

Year	2016	2017
HH involved	3	12
Area(ha)	1,5	6



## II. Cropping system improvements

### 2. 4 upland rice collection

Varieties	PhiaLuang	Sanamha	Phia
Nok	760	1,250	2,73
Hinsoung	2,650	1,650	2,88
Laboun	2.105	1,400	3,22
Non	2,575	1,208	2,28
Local upland rice	2,066	1,660	3,17

Hinsoung and Laboun were requested the same yield (Nok has damages by bird, Non longtime to harvest villagers do not like .

## II. Cropping system improvements

### 3. Testing on cardamom improvement.

Villages	Methology		
	Honey spraying	sugar spraying	Non spraying
	Kg/ha	Kg/ha	Kg/ha
PhiaLuang	456	528	470
Sanamha	95	195	71
Phia	818	761	375
Kg/ha	823	976	666



## II. Cropping system improvements

### 3. Testing on cardamom improvement.

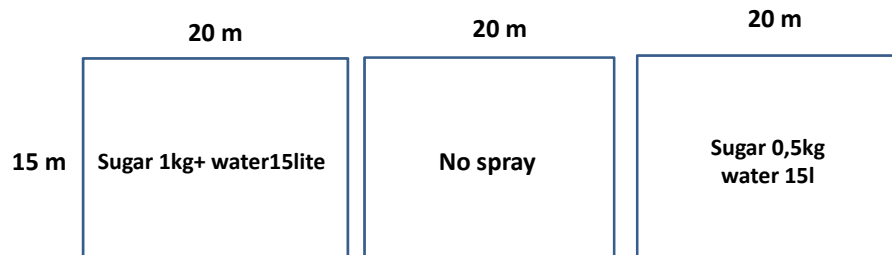
Sugar spays ( 18 HH) 3 villages (Phailuang, Sanamha, Phia)

Metrology: 3 Plot

1. Sugar: half kg/15lite water
  2. Sugar: 1kg/15lite water
  3. No spray
- 3 sprayer supply
  - Plot located on 3 western and 3 Eastern part .
  - Ages of cardamom 4-7years
  - Cardamom varieties is Quangtoug.



### Sugar spraying plot



### 3.2. Improved cardamom productions 2016 ( continue )

In 2017, the project will help to build cardamom over



- There are 5 households at Phia
- **Constraints** : Cardam cannot be baked in the rainy season, not dry well and low price
- **Method** : Use it for cardamom oven to get dry
- **Oven size** =1 m x 3 m .

## II. Improved cropping systems

### 4. Improving coffee plantations



In 2016, the project provided fruit tree seedlings for coffee shades for 15 households but faced problems: lack of maintenances, farmers abandoned their coffee due to no traders and fruit tree seedlings were not healthy.

- ✓ 10 households produced compost for fruit trees.



## Planning for 2017

Improving coffee plantations, there are 39 hh cover areas 25 ha ( Phialuang and Sanamha villages )

- Green houses at 4 points
- Tree nursery at 2 points
- Coffee restorations (coffee seedlings)
- Shades for coffee (fruit trees and other)
- Training on coffee productions
- Material for producing composts
- Coffee pulper machine



## II. Improved cropping systems

### 5. Green houses for vegetable ( Huayvang kao village)

	2015	2016	2017
Nb of hh	8	19	29
Cover plastic ( 9 house *6x20 m)	9		
Average income	3,000,000	1,700,000	
Compost ( 1 t)	0,8	1,8	
Manure	1,8	3,109	

(from May to October )



## II. Improved cropping systems

### 6. Secure productivity (Soil erosion protection in paddy areas using gabions .)

No.	Descriptions	Area ( ha)	Length ( m)	Beneficiary households
1	1 <sup>st</sup> point : fixing canal	1.1	12	3
2	2 <sup>nd</sup> point: fixing canal	1.5	32	3
3	3 <sup>rd</sup> point: fixing canal	4.3	18	5
4	4 <sup>th</sup> point : soil erosion in paddy area	0.7	34	2
In total		7.6	96	13



## III. Building capacity for Hadtham Technical Service Center

### ❖ Activities implemented in Hadtham TSC IN 2016:

#### 1. Improved Livestock systems .

- ✓ Provided Guini grass seeds 3 kg and Stylo 1 kg

#### 1. Improved cropping systems .

- ✓ 1 Tree nursery house ( 6 x9 m ).
- ✓ Created 2 green houses for raining seasons



### III. Building capacity for Hadtham Technical Service Center

#### ❖ Planning 2017 at Hadtham TSC :

##### 1. Improving livestock systems.

- ✓ Providing 1 slashing machine .

##### 2. Improving cropping systems .

- ✓ Testing short-cycle maize variety
- ✓ Cover plants ( ARACHID SPOINTOI)
- ✓ Offering black net for tree nursery
- ✓ providing rice seed drill



*Thank you for  
your attention!*