



 EFICAS  
 project

## Community-based Agricultural Development Plans (CADP) 2015



NUDP-EFICAS : overview of Project first year field activities – Vientiane, 10 June 2015

## A step in village landscape planning

- Developing a realistic, feasible action plan with activities, trainings, etc. agreed upon by all parties,
- Defining respective role of villagers and project, implementation indicators, coordination mechanisms with agricultural extension and partner projects
- Empowering the Village Land Management Committee

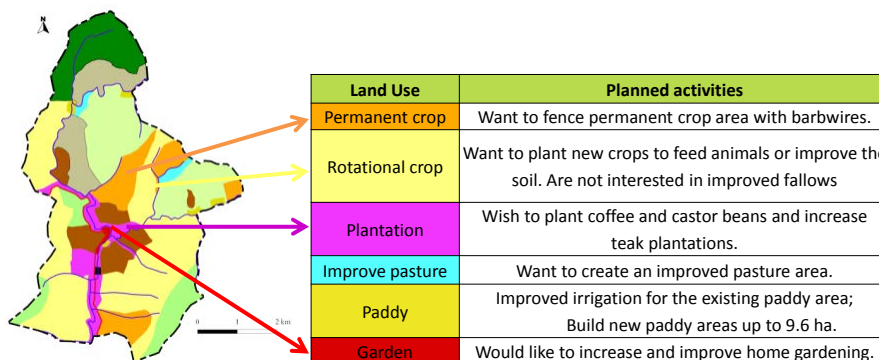


## Content of CADP


- Action plan that engages the whole village for the next cropping season,
- Negotiated by the village community and project team and implemented together,
- Support of multiple partners will be sought for implementation,
- Clear indicators for implementation and monitoring



## How does a CADP look like?



village communities


Project DAFO

Land Use	Planned activities	Area - location	Who is involved	Inputs: labour, knowledge(training) assistance	Milestones & Indicators(date of work completion, etc.)	Budget resources share
Permanent crop	Want to fence permanent crop area with barbwire.					
Rotational crop	Want to plant new crops to feed animals or improve the soil. Are not interested in improved fallows because.					
Plantation	Wish to plant coffee and castor beans and increase teak plantations.					
Improve pasture	Want to create an improved pasture area.					
Paddy	Improved irrigation for the existing paddy area; Build new paddy areas up to 9.6 ha.					
Garden	Would like to increase and improve home gardening.					

## CADP Implementation steps (4-day process)

- Opening village meeting
- Socio-economic data collection
- 4 Focus group discussions
  - Problem census (men / women)
  - Wood, wildlife and NTFP
  - Village population trends
  - Land use systems (crop – livestock): input-output parameters
- Land management and regulations (3D model, maps)
- Activity planning
  - Discussion on innovative practices
  - Land management rules, indicators
  - Field visits, site selection, volunteer households
- Closing village meeting

## Day 1. Opening village meeting

- Introduction of the project team
- Presentation of the members of the Village Land Management Committee (VLMC)
- Objectives of the meeting and activities that will take place in the village



## Day 1. Data collection

Team 1



Household survey

Village socio-economic data and land tenure analysis

Team 2



Focus group discussions

- Problem census
- Wood, wildlife and NTFP location and relative abundance
- Village population trends

## Day 1-2. Data collection

Team 1&2



Data compilation and analysis

Team 1



Participatory mapping  
Up-dating 3D model

Team 2



Focus group discussions

- Cropping and livestock systems analysis
- Input – output parameters

## Input – output parameters



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Land use type

Activity

Parameters

Houaybouha, Sayabouri Province (Focus group discussion)

Maize monocropping	Cropping calendar												Labor (md/ha)				
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Family	Paid			
Ploughing		x	x	x	x											1	
Sowing				x	x	x										1	
Herbicide spraying (30-40 DAS)					x	x	x	x								5	
Weeding / slashing							x	x								15	
Building storage house									x	x						2	
Harvest										x	x	x				25	
Maize threshing									x	x	x					2	
<b>TOTAL</b>																<b>49</b>	<b>2</b>

Maize monocropping	Mean
Production costs (LAK/ha)	2 250 000
Yield (kg/ha)	5 000
Price production (LAK/kg)	1 300
Gross income (LAK/ha)	6 500 000
Net income (LAK/ha)	4 250 000
Family labour (md/ha)	49
Labour productivity (LAK/md)	86 735



Phialouang, Phongsaly Province (Focus group discussions)

Maize rotational	Cropping calendar												Labor (md/ha)				
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Paid			
Area selection and division		x	x													1	
Land clearing			x	x												15	
Burning				x	x											1	
Collect unburned wood and return					x	x										10	
Sowing					x	x										9	
Weeding1						x	x									20	
Weeding2								x	x							10	
Building storage house									x							4	
Harvest										x	x					25	
Milling											x					10	
Drying												x				2	
Sale													x			2	
<b>TOTAL</b>																<b>109</b>	<b>0</b>

Maize rotational	Mean
Production costs (LAK/ha)	500 000
Yield (kg/ha)	5 000
Price production (LAK/kg)	1 000
Gross income (LAK/ha)	5 000 000
Net income (LAK/ha)	4 500 000
Family labour (md/ha)	109
Labour productivity (LAK/md)	41 284



## Day 3. Data collection and field visit

Field visit - activity planning  
Focus group: landscape managt



## Day 4. Action plan – village meeting

- Reviewing development options
- Refining village action plan
- Preparation of the whole village meeting
- Village meeting led by village committee



## Target villages CADPs 2015

- *Synthesis CADPs 2015/ province*



## Main activities 2015

### **1. Fencing of agricultural lands**

- Increased control of animal roaming as primary condition for agricultural systems (crop-livestock) intensification
- Support to fencing of agricultural or livestock areas (*8 villages*)
- Barber wire fence (*implemented*) + living fence (*on-going*): local species with financial incentive for cuttings maintenance during 2 years period / seedling nursery for exogenous species (legume forage and firewood trees) in TSCs (*on-going*)





## Main activities 2015

### **2. Improvement of livestock systems**

- Integrated approach
  - Animal health: training of village veterinary workers, revolving fund (9 villages) (*to be yet implemented*)
  - Animal feeding systems: improved pasture for cut & carry systems (9 villages) (*sown 80%*)
  - Animal housing: stalls including better water access and manure collection facilities (4 villages) (*to be done*)
- Big livestock (9 vill.), pigs (6), and goats (2) raising systems



## Main activities 2015

### **3. Improvement of upland cropping systems**

- Diversification
  - Intercropping systems rice/maize with pigeon pea (7 villages) (*sown 80%*)
  - Intercropping systems maize/job's tear with rice bean (2 villages) (*not yet*)
  - Soybean (1 vill.), rice (1), cassava (1) (*sown*)



## Main activities 2015

### **4. Improvement of Perennial cropping systems**

- Crop nutrient and health management: compost and bio-insecticide production for coffee and fruit trees production (6 villages) (*training implemented*)



## Main activities 2015

### **4. Improvement of Perennial cropping systems** (*continued*)

- Weed control: Slashing using brushers as alternative to herbicide (rubber) and manual weeding (coffee) (3 villages) (*on-going*)
- Fructification improvement (Cardamom): stolon clearing (3 villages) (*on-going*)
- Diversification: improved temperate fruit trees (peach and plums) (6 villages) (*implemented*)

## Main activities 2015

### 5. Improvement of Lowland production systems

- SRI (2 villages) (*scheduled*)
- Fertility improvement of new terraces (2 villages) (*on-going*)
- Lowland rice genetic diversification (1 villages) (*on-going*)
- Lowland vegetable production: green house, compost, bio-insecticide (1 village) (*on-going*)
- Dry-season lowland diversification (vegetable, forage crops) (1 village) (*not yet*)



Thank you for  
your attention...

