

# LAO-PDR

**7**

## CBMS Database / Repository Information Sheet

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**Project Title:** Lao Community Based Monitoring System

### **Administrative Information:**

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### **I. Project Abstract**

Based on the learning from the PEP collaboration network, the community-based monitoring system (CBMS) has been widely acknowledged by many countries in the region. The CBMS, which was successfully implemented in countries such as Vietnam and the Philippines, is also of great importance for Lao PDR where there is an urgent need in monitoring poverty towards its eradication and investigate the possibilities to adopt it based on the local need. The National Statistical Center (NSC), the body responsible for poverty analysis and monitoring, seeks to implement the CBMS in Lao PDR. The pilot project will focus on capacity-building at local levels of project sites (2 districts of 2 provinces) to meet the long-term objective of creating a sustainable system to locally monitor poverty reduction over time. The NSC foresees and expects the project expansion of the coverage of CBMS will increase and the techniques of CBMS could be adopted at the national level.

### **II. Project objectives**

The objectives of the CBMS – Lao PDR are as follows:

- To select other appropriate indicators for commune-based poverty monitoring and analysis in addition to existing indicators that determined in the “Village Book”. Offer communities with simple and easy to collect poverty indicators to determine the prevailing standards of living;
- To provide practical scientifically generated data to local authorities for their effective planning, monitoring and evaluation of development projects. To provide policy makers with data to be used for prioritisation of projects, effective planning and monitoring of developmental programmes in the various communities;
- To build capacity of the selected local authorities in data collection. Strengthening research skill of NSC’s staffs

- To strengthening the coordination between NSC and local authorities as well as among local authorities themselves
- To produce Poverty Monitoring Reports based on the CBMS results.

### III. Database information sheet

<b>Pilot/Extension area(s):</b> Source of data	2 villages in Sepone District, Savannakhet Province 2 villages in Tumlane District, Saravanh province 11 villages in Toomlan, Saravan province 13 villages in Sepon, Savannakhet Province
<b>Reference year for which the data was taken:</b>	2004, 2005 and 2007
<b>Database information :</b> Number of observation:  Number of variables: Format: Software used to store/retrieve information from the database:	Households: 458 (2004) 1,585 (2005) 1,591 (2007) Individuals: 2,815 (2004) 10,970 (2005) 11,236 (2007)  158 variables (see list of variables) MS Access MS Access

### IV. List of Indicators/Variables

CBMS & Village Book Indicators		
<u>Class</u>	<u>Indicators</u>	<u>Variables</u>
1. General Information	Village appearance	<i>Village area , Number of rivers, Roads, Market, Border joining</i>
2. Population characteristics and Accommodation	1. Population, households	<i>Population size, house holds size, integrated households, agricultural households.</i>
	2. Population changes in the past 12 months	<i>New born infants, Number of Deaths, Number of people move in and out</i>

	3. Population by age group	<i>Below 1 year, 1 year, 2 years, 3 years, 4 years, 5-9 years, 10-14 years, 15-60 years, Number of people who cannot work, 61 years up</i>
	4. Main Occupation( people who are 10 years up only) in the past 12 months.	<i>Lowland rice, upland rice, state officers, private officers,</i>
3. Household characteristics	1. By accommodation	<i>Number of household live in concrete house, half concrete half wood, wooden house, bamboo house, and others</i>
	2. By sanitation	<i>Number of households use toilet in sewage system, number of households use dried unprotected toilet, number of households no toilet</i>
	3. By water using	<i>Number of households use supplied water, Number of household use well, borehole, and number of household use water from river, stream, pond, and number of household use from other source of water</i>
	4. By energy use for cooking	<i>Number of household use electricity, number of household use Cole, gas, petrol, number of household use charcoal/firewood, and number of household use others</i>
4. Agricultural area	1. cereal crop	<i>seasonal rice, irrigational rice, upland rice, maize, starchy roots, vegetable</i>
	2. Industrial crop	<i>area of soybean, mungbean, peanut, tobacco,..</i>
	3. Industrial trees and fruit bearing trees	<i>Wig tree, Sak tree, Tamarind, Mango tree</i>
5. Agricultural production	1. cereal crop	<i>seasonal rice, irrigational rice, upland rice, maize, starchy roots, vegetable</i>
	2. Industrial crop	<i>soybean, mungbean, peanut, tobacco,..</i>
	3. Industrial trees and fruit bearing trees	<i>Wig tree, Sak tree, Tamarind, Mango tree</i>
6. Livestock	1. Animal feeding data	<i>Number of cows, buffaloes, pigs, poultries, ship &amp; goats, horse, elephants, fish,</i>
	2. Animal death data	<i>Number of cows, buffaloes, pigs, poultries, ship &amp; goats, horse, elephants</i>
7. Industry & Handicraft	Number of households and laborers	<i>weaving, bamboo production, furniture, soil burnt production, carving, gold &amp; silver articles production, production from rice&lt;bread, noodle, ..&gt;, ferment fish production, agricultural tool production, others...</i>
8. Education	1. kindergarten & creese	<i>Number of school, Number of classrooms, Number of teachers, Number of children</i>

	2. Primary school	<i>Number of school, Number of grades, Number of classrooms, Number of teachers, Number of students who do not pass the final exam.</i>
9. Public Health	Basic public health service	<i>Number of dispensary, Number of clinic, Number of drugstore, Number of village drug bag, Number of traditional treated, Number of midwife, Number of doctor, physician, physician assistant, medical volunteer, and others.</i>
10. Poverty	Poverty line measurement	<i>Rice, clothing, accommodation, medical expenditure, educational expenditure,</i>
11. Other social situation of village	Other social situation of village	<i>stealing case, Number of addict, drug selling case, conflict on land or things that parent left, divorced case, reputation in family, raping case, murder and others..</i>

### The list of Variables

No	Class	Indicators
1	1. Village profile	Urban or Rural
2		Access to electricity
3		Access to water
4		Access to road
5		Access to market
6		Access to health care centre
7		Access to school
8	2.1. Number of Population and Households	Number of collective households
9		Number of agriculture households
10		Number of population
11		Number of Female
12		Number of industry and handicraft Household
13	2.2. Population change in the past 12 months	
14		Number of newborn population
15		Number of death population
16		Number of move in population
17		Number of move out population
18	2.3. Number of Population By age group	
19	2.4. Professional	Number of population who are lowland farmer
20		Number of population who are upland farmer
21		Number of population who are Government - Private officer

22		Number of population who are State enterprise officers
23		Number of population who are Government officers
24		Number of population who are Private officers
25		Number of population who are Transportation officers
26		Number of population who are Construction officers
27		Number of population who are unemployed
28		Number of population who are other employed
29		Number of population who are Student
30		Number of population who are Retired/sick / too old
31	2.5. Household characteristics	Number of households living in concrete house
32		Number of households living in mixed concrete/wood house
33		Number of households living in wooden house
34		Number of households living in bamboo house
35		Number of households living in other house
36	Sanitation	
37		Number of households using modern toilet
38		Number of households using normal toilet
39		Number of households have no toilet
40	Water source	
41		Number of households using water supply
42		Number of households using water from well, borehole, numlin
43		Number of households using water from river, stream, pond
44		Number of households using water from other source
45	Energy use for cooking	
46		Number of households using energy from electricity
47		Number of households using energy from petrol, gas
48		Number of households using energy from wood/charcoal
49		Number of households using energy from other source
50	3. Agriculture	
51	3.1. Plantation	
52	Planted and Harvest Area 2006	Area of lowland rice growing
53		Area of irrigated rice growing
54		Area of upland rice growing
55		Area of maize growing
56		Area of root and nut growing
57		Area of vegetable growing
58		Area of soy bean growing
59		Area of mung bean growing
60		Area of peanut growing
61		Area of tobacco growing

62		Area of Tea growing
63		Area of Coffee growing
64		Area of Sugar cane growing
65		Area of Corn growing
66		Area of Vig growing
67		Area of Sak growing
68		Area of ketasna growing
69		Area of Ngangphara growing
70		Area of tamarind growing
71		Area of mango growing
72		Area of other growing
73	Production	
74		Production of lowland rice
75		Production of irrigated rice
76		Production of upland rice
77		Production of maize
78		Production of root and nut
79		Production of vegetable
80		Production of soy bean
81		Production of mung bean
82		Production of peanut
83		Production of tobacco
84		Production of tea
85		Production of coffee
86		Production of Sugar cane
87		Production of Sugar corn
88		Production of tamarind
89		Production of mango
90		Production of other
91	3.2. agriculture, livestock	Number of cattle
92		Number of newborn cattle
93		Number of buffalos
94		Number of newborn buffalos
95		Number of pigs
96		Number of newborn pigs
97		Number of sheep & goats
98		Number of newborn sheep & goats
99		Number of poultry
100		Number of horses
101		Number of elephant
102		Number of fish releasd

103		Number of other
104	3.3 agriculture, livestock died	Number of death cattle
105		Number of death buffalos
106		Number of death pigs
107		Number of death poultry
108		Number of sheep & goats
109		Number of horses
110		Number of elephant
111		Number of other
112	4. Industrial and handicraft	
113	4.1. Industrial and handicraft activities by sex	Number of population who do weaving
114		Number of population who do knitting
115		Number of population who do furniture production
116		Number of population who do earth burned production
117		Number of population who do carving
118		Number of population who do silver and gold production
119		Number of population who do bread & biscuit production
120		Number of population who do ferment fish production
121		Number of population who do agricultural tools production
122		Number of population who do other
123	5. Education	Proportion of household which have member can read and write
124		Proportion of household which have member can not read and write
125		Number of population who are illiteracy
126		Proportion of household which have member drop out from school
127		Proportion of household which have "no fund" as the main cause of member drop out from school
128		Proportion of household which have " school is far" as the main cause of member drop out from school
129		Proportion of household which have " handicap" as the main cause of member drop out from school
130	6. Public health	Proportion of household which have a member ill in past 12 months
131		Proportion of population who are ill associated with dengue fever
132		Proportion of population who are ill associated with Malaria
133		Proportion of population who are ill associated with diarrhea
134	7. Poverty	Proportion of poor household
135		Proportion of poor non household

136		Proportion of poor household relating to lack of clothes
137		Proportion of poor household relating to lack of permanent house
138		Proportion of poor household relating to lack of expenditure on health care
139		Proportion of poor household relating to lack of expenditure on education
140		Proportion of poor household relating to lack of rice
141	8. Income	Proportion of household which have agriculture as main source of income
142		Proportion of household which have agriculture as main source of income
143		Proportion of household which have private employee as main source of income
144		Proportion of household which have Government employee as main source of income
145		Proportion of household which have Hunting and forest products as main source of income
146		Proportion of household which have Household business as main source of income
147		Proportion of household which have other as main source of income
148	9. Property and durable	Proportion of household which own estate
149		Proportion of household which own a car
150		Proportion of household which own a House, building
151		Proportion of household which own motorbike
152		Proportion of household which own bicycle
153		Proportion of household which own tractor
154		Proportion of household which own TV
155		Proportion of household which own radio
156		Proportion of household which own telephone
157	10. Expenditure	Share of food and non food expenditure
158	10. Consumption	Share of food and non food consumption

V. Questionnaires

Household Questionnaire of CBMS

General Information	Code
4. Bamboo house _____	<input type="text"/> <input type="text"/>
District _____	<input type="text"/> <input type="text"/>
Village _____	<input type="text"/> <input type="text"/> <input type="text"/>
Household No. _____	<input type="text"/> <input type="text"/> <input type="text"/>
Unit _____	<input type="text"/> <input type="text"/> <input type="text"/>
Household head _____	

Date of Interview	_____
Interviewee	_____
Surveyor	_____
Provincial Supervisor	_____
Central Supervisor	_____

**Part I: Data which combined into village book**

**I. Number of Household, Population, and Population change in past 12 months.**

1. what type is your household? 1. Individual household 2. Integrated household	pleas mark ( ✓ ) inside box below		
	<input type="text"/>		
2. Is your household agricultural? 1. Yes 2. No	pleas mark ( ✓ ) inside box below		
	<input type="text"/>	<input type="text"/>	
3. How many people living in the household?	Female	Male	Total
	<input type="text"/>	<input type="text"/>	<input type="text"/>



III. Household Characteristics	Answer Box
<b>15. What type of house does your household live in? ( only one answer)</b> 1. Concrete House 2. Half wood and Concrete 3. Wood house 4. Bamboo house 5. Others (Specify)	<b>Pleas mark( √ ) inside box</b> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>16. What kind of toilet does your household use? (only one answer)</b> 1. Sewage System toilet 2. dug toilet/dried toilet 3. Other 4. No toilet	<b>Pleas mark( √ ) inside box</b> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>17. What is the source of water for your household? (only one answer)</b> 1. Water Supply 2. Bore holds/ wells 3. River, Ponds 4. Other (Specify)	<b>Pleas mark( √ ) inside box</b> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>18. What is the main source energy for cooking? (only one answer)</b> 1. Electricity 2. Petrol, Gas and Coal 3. Firewood and Charcoal 4. Others (Specify)	<b>Pleas mark( √ ) inside box</b> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

#### IV. Agriculture, Plantation

19. Did your household work on farm in past 12 months? 1. Yes; 2. No	→ <span style="border: 1px solid black; padding: 2px;">Skip to Q.63</span>	
Cereal Crop	Planted area(ha)	Production(Ton)
20. Lower land rice	<input type="text"/>	<input type="text"/>
21. Irrigated rice	<input type="text"/>	<input type="text"/>
22. Upland rice ú(include garden rice, upland rice field, heel rice field)	<input type="text"/>	<input type="text"/>
23. Sweet Maize	<input type="text"/>	<input type="text"/>
24. cassava and nut root	<input type="text"/>	<input type="text"/>
25. All kind of Vegetable	<input type="text"/>	<input type="text"/>

<b>Industrial Crop</b>	<b>Planted area(ha)</b>	<b>Production(Ton)</b>
26. Soy bean		
27. Mung bean		
28. Peanut		
29. Tobacco		
30. Maize for animal feed		
31. Others (Specify)_____		
<b>Industrial Tree</b>	<b>Planted area(ha)</b>	<b>Production(Ton)</b>
32. Vick Tree		m <sup>3</sup>
33. Sak Tree		m <sup>3</sup>
34. Tamarind Tree		
35. Mango Tree		
36. Others(Specify)_____		

### V. Agriculture, Livestock

Skip to Q.63
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37. Did you household bread any animal in past 12 months? 1. Yes 2. No →

<b>Items</b>	<b>Number</b>	<b>Newborns</b>
38. Cow		
39. Buffalo		
40. Horse		
41. Elephant		
42. Pig		
43. Sheep		
44. Goat		
<b>- Poultry</b>		
45. Chicken		
46. Duck		
47. Others (Specify)_____		
48. Number of released fish		
49. Volume of caught fish (kilogram)		
50. Others (Specify)		

**VI. Livestock death Data (from disease)**

51. Did your animals die from disease in past 12 months? 1. Yes ; 2. No → Skip to Q.63

If yes pleas, give number to each kind of animal below	Number
52. Cow	
53. Buffalo	
54. Hors&Bamboo house	
55. Elephant	
56. Pig	
57. Sheep	
58. Goat	
<i>œ Poultry</i>	
59. Chicken	
60. Dug	
61. Others (Specify)_____	
62. Others(Specify)_____	

**VII. Industry and Handicraft**

63. Did your household members do any industrial or handicraft work? 1. Yes, 2. No → Skip to Q.74

Item	Unit	Female	Male	Total
64. Weaving	persons			
65. Produce bamboo appliance	persons			
66. Produce Furniture	persons			
67. Produce burned earth products	persons			
68. Wood Carving	persons			
69. Produce valuable decorated units	persons			
70. Produce Bakery, bread, biscuit, noodle	persons			
71. Produce fermented fish	persons			
72. Produce agricultural tools	persons			
73. Others (Specify)	persons			

**VIII. Poverty**

*Answer Box*

74. How many kilograms of rice consume per 1 month?	Kilograms
75. Does your household have sufficient clothes for using?	pleas mark ( √ ) inside box below
1. Yes	<div style="border: 1px solid black; width: 50px; height: 20px; margin: 0 auto;"></div>
2. No	

76. Is your house permanent ?  1. Yes  2. No	pleas mark ( √ ) inside box below
	<input type="checkbox"/> <input type="checkbox"/>
77. Does your household have sufficient money for health care?  1. Yes  2. No	pleas mark ( √ ) inside box below
	<input type="checkbox"/> <input type="checkbox"/>
78. Does you household have sufficient money for education?  1. Yes  2. No	pleas mark ( √ ) inside box below
	<input type="checkbox"/> <input type="checkbox"/>

**Part II. Additional Information**

**IX. Health**

79. Does your household use bed net while sleeping?  1. Yes  2. No	pleas mark ( √ ) inside box below		
	<input type="checkbox"/> <input type="checkbox"/>		
80. Does you household always boil water for drinking?  1. Yes  2. No	pleas mark ( √ ) inside box below		
	<input type="checkbox"/> → Skip to Q. 82 <input type="checkbox"/>		
81. If no, Why?  1. We have purred water for drinking  2. Other (Specify) _____	pleas mark ( √ ) inside box below		
	<input type="checkbox"/> <input type="checkbox"/>		
82. Were your household member ill in past 12 months?  1. Yes  2. No	pleas mark ( √ ) inside box below		
	<input type="checkbox"/> → Skip to Q. 93 <input type="checkbox"/>		
<b><i>☞ If Yes, Please give number of ill people with each disease</i></b>	Female      Male      Total		
83. Dengue Fever			
84. Malaria			
85. Diarrhea			
86. Tuberculosis			
87. Measles			
88. HIV/AIDS			
89. Others (Specify) _____			



97. What is the main reason caused him/her went out from school?  1. No fund 2. The school is too far 3. Ill or Handicap 4. Others (Specify)	( only one answer)	pleas mark ( √ ) inside box below	

**XI. Income**

98. What is the main source of income for your household?  1. Agriculture(Plantation and Livestock) 2. Hiring in Private company 3. State office work 4. Hunting and gather wood products 5. Household Business 6. Other (Specify)	( only one answer)	pleas mark ( √ ) inside box below	

<i>Please tell your income in money to each respective work below</i>	Kip per month	Kip per year
99. Agriculture(Plantation and Livestock)		
100. Hiring in Private company		
101. State Office Work		
102. Hunting and gather wood products		
103. Household Business		
104. Others (Specify)		

**XIII. Property and durable appliances**

<i>the appliance of household</i>	Number	Value (kip)
105. Estate (ha)		
106. Houses, buildings		
107. cars and truck		
108. Motorbike		
109. Bicycle		
110. Two wheels tractor		
111. Four wheels tractor		
112. Tuk Tuk		
113. Fridge		
114. Television		
115. Video/Radio/Tape		
116. Mobile, Cellular phone		
117. Table Telephone		
118. Computer		
119. Other (Specify)		

<b>XIV. Unexpected event &amp; Violence toward household</b>		Answer Box
120. Did your household or household member get any unexpected event? 1. Yes 2. No		Pleas mark (√) in box below <input type="checkbox"/> <input type="checkbox"/> → Skip to Q.124
121. If Yes, what kind was it? 4. Bamboo house (only one answer) 2. Stealing 3. Robbery 4. Other (Specify)		Pleas mark (√) in box below <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
122. Did you report to any village organization or other organization? 1. Yes 2. No		Pleas mark (√) in box below <input type="checkbox"/> <input type="checkbox"/> → Skip to Q.124
123. If Yes, what kind of organization did you report to? 1. Village Organization (Only one answer) 2. Police Station 3. Others (Specify)		Pleas mark (√) in box below <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
124. Did you or your household member get any violence in past 12 months? 1. Yes 2. No		Pleas mark (√) in box below <input type="checkbox"/> <input type="checkbox"/> → Skip to Q.129
125. If Yes, What kind was it? 1. Body hurting (only one answer) 2. Threatening 3. Others(Specify)		Pleas mark (√) in box below <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
126. Did you or household member report to any village organization or others? 1. Yes 2. No		Pleas mark (√) in box below <input type="checkbox"/> <input type="checkbox"/> → skip to Q.128
127. If Yes, What kind of organization did you report to? 1. Village Organization (only one answer) 2. Police Station 3. Others(Specify)		Pleas mark (√) in box below <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
128. By whom was it caused? 1. Strangers (only one answer) 2. from known people 3. From both		Pleas mark (√) in box below <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>