Experience integrating the Lao Economic and Agriculture Census listing

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Outline

• Background
• Methodology
• Issues, Challenges and/or Obstacles
• Opportunities and Innovations
• Proposed recommendations
Background

1. Statistics Law (Revision)
   - Article 17 Survey Timeline:
     - Census: - Agriculture Census every 10 years
       - Economic Census every 5 years

2. The Strategy for Sustainable Development on National Statistics System 2016-2025 and Agenda 2030 (SSDNSS)

3. The Government gives high priority to LCA 2019, and the census has been endorsed by Prime Minister H.E Thongloun SISOUKIT (No 46/PMO, dated 31/5/2017).
   - Steering Committee has been formed from Central to local level
   - And as same as Agriculture Census Office
## Lao Census of Agriculture and NSEDP

<table>
<thead>
<tr>
<th>Outcome 1: Sustained Inclusive Economic Growth</th>
<th>Outcome 2: Human Resources Development</th>
<th>Outcome 3: Natural Resources and the Environment</th>
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<tbody>
<tr>
<td>1. Sustained and Inclusive Economic Growth</td>
<td>1. Improved Living Standards through Poverty Reduction</td>
<td>1. Environmental Protection and Sustainable Natural Resources Management</td>
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<td>3. Integrated Development Planning and Budgeting</td>
<td>3. Access to High Quality Education</td>
<td>3. Reduced Instability of Agricultural Production</td>
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### 3rd LCA Support:

**Outcome 1: Output 2**

**Outcome 2: Output 1, 2 and 5**

**Outcome 3: Output 1, 2 and 3**
Census Work Plan

1. Preparation Phase
   - Develop tool and methodology
   - Develop questionnaire, Data entry program and mapping (2017-4/2019)

2. Listing
   - Update questionnaire (4-6/2019)
   - Training and field work (6-7/2019)

3. Prepare for sample survey
   - Data entry, cleaning, editing (8-12/2019)
   - Sampling selection (9-10/2019)
   - Pilot Survey (9-10/2019)

4. Sample Survey
   - Training 4weeks per class (2-3/2020)
   - Survey (3-4/2020)
   - Satellite Image capture (still consider)

5. Analysis and data dissemination
   - Data processing, analysis and dissemination Preliminary result (6-7/2020)
   - Data processing, analysis and dissemination final result (6-12/2020)
Scope and coverage

Listing
All villages, Households including single household and collective households, resident and non-resident household who live in Laos more than 6 months

Census and sample survey
- Agriculture holding
- Area 1000 m² = 0.1 ha
- Cow, buffalo, 5+
- Pig, goat 10+
The method will be revise after listing result

- Interview Agriculture holding sample 30% of village the have agriculture holding, 16 household per villages (Same method as previous)
The method will be revise after listing result

Business farms

Military and Security Areas, the Ministry of Security and Ministry of Defense will be responsibility on field collection (New approach)

Interview sample farm business (New approach)
Integrating the Lao Economic and Agriculture Census listing

Issues and background

1. The government is facing the budget constraint
2. Donor also have budget challenge

Cause the delay of censuses, and also cannot support to fulfill all activities that census requirement

Climate change, flood and drought

1. Census setting up, ACO
2. TA delay
3. Shortage of staff who have experiences
Methodology

3rd Lao Census of Agriculture + 3rd Economics Census + Village books

Visit every building in the village household, non-household except Jail and military territory

Interview resident and non-resident who live in Laos more than 6 months

Include Local Market, super market and shopping center

All business that currently operating business in all building (household, commercial building and so on)

Farm business including crop, livestock and Fishing
Methodology

PAPI-Field work

3 Modules in questionnaire
1. Household module
2. Economic listing
3. Agriculture holding listing

Enumerators 3.942 pp
Supervisors 514 pp
5 steps of the household and economic units listing

1. **Preparation**
   - Questionnaire design, manual and listing plan 2018-5/2019

2. **Training**
   - Training TOT, TOE at provincial and district level 5-6/2019

3. **Field work**
   - Field work (6-7/2019)

4. **Data entry, analysis and processing**
   - Data entry 7-9
   - Cleaning, editing and analysis 8-9/2019

5. **Report the result**
   - Report the preliminary result 3/2019
### Challenges/risks, innovations, opportunities

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<td><strong>Challenges/Risk</strong></td>
<td><strong>Innovations</strong></td>
<td><strong>Opportunities</strong></td>
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<tr>
<td>1. Survey Design</td>
<td>• First time to conduct as integrated 2 censuses listing</td>
<td>• Based on WCA202, support from FAO, UNIDO and ESCAP</td>
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<td>2. Questionnaire Design</td>
<td>• To combine the 3 modules is also the new challenge for us</td>
<td>• Survey frame • Use HHID and Business ID</td>
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<td>3. Methodology</td>
<td>• We do not have the latest update list, register information</td>
<td>• Using Economic census 2013 • Population census 2015 • Administrative report from MAF and MOIC</td>
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<td>4. Enormous Units</td>
<td>• About 300,000 households and 200,000 units and some how the number is also mixed</td>
<td>• We using district officers as enumerators and provincial officers supervise the field, walk along village’s street</td>
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<td>5. Classifications and definition</td>
<td>• To dealing with mixture information, it is also very important that we have to make sure what are they</td>
<td>Based on WCA2020, we ensure to add question to classify whether the household is holding and non holding, we also ask for business ID to classify if they are business farms</td>
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Proposed Recommendations *in brief*

- Recommendation: If you are planning to integrate listing of Economic census and Agriculture Census, you should consider:
  - Preparation stage has to be well prepare, to identify the number of unit and household particularly if country does not have register statistics;
  - Using CAPI will be comprehensive to easier and quicker to update list, but if your plan to use PAPI make sure you have spare questionnaire, well plan for data entry and transportation;
  - We also think, it will be applicable if we can area frame, we believe that will also help us to design the sample survey much better and it will make the frame even more comprehensive;
  - Training times: to conduct census many case we have other agencies to be enumerators and supervisors, then the training has to be invest, to ensure that we give enough time for enumerator to deeply understand the questionnaire;
  - The scope and coverage need to be well identify, including the classification, follow the WCA2020;
- Point Note: Nothing is perfect, everything has advantage and this advantage, as statisticians, we do our best to minimize the disadvantage, to present best snapshot to the government and users.
Thank you!

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