



Food and Agriculture
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SUSTAINABLE
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GOALS



APCAS/24/C3.2

ASIA AND PACIFIC COMMISSION ON AGRICULTURAL STATISTICS

30TH SESSION

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Kathmandu (Nepal)





SIDE EVENT C: Cambodia's Experiences with Planning & Implementing Agricultural Censuses

Presenter: Lon Kimleang,
National Institute of Statistics (NIS) Ministry of
Planning, Website: www.nis.gov.kh
Email: lonkimleang168@gmail.com





Metadata

Lead Ministry/Agency	The National Institute of Statistics (NIS), Ministry of Planning, Ministry of Agriculture, Forestry and Fisheries (MAFF)
Key Data User/Ministry	Gov't Stakeholders & Non-Gov't Organization
Legislative/Policy Mandate	<ul style="list-style-type: none"> □ Statistics Law □ Sub-Decree on Organization & Functioning of the National Statistics Systems <ul style="list-style-type: none"> □ Sub-Decree on Designated Official Statistics
Sub-Sectors Coverage	National, Provincial and Technical Committee
Data Collection Duration/Period	1 April 2023 to 31 May, 2023
Reference period	Every 10 years
Methodological approach (classical, modular, etc.)	All households in provinces except in Phnom Penh
Sources of Census Frames (e.g. last population census, etc)	Population Census 2019
Data Collection Method (CAPI, PAPI, etc.)	PAPI



Implementation

- *Agricultural census 2023 is the second national census after 2013, it was a comprehensive statistical undertaking for the collection and compilation of information on crops cultivation, raising livestock and poultry, and aquaculture operations.*
- The National Institute of Statistics (NIS) of the Ministry of Planning, and the Ministry of Agriculture, Forestry and Fisheries (MAFF), were the responsible government ministries authorized to undertake the CAC 2023. While the NIS had the census mandate,
 - Technical support from FAO and financial from the RGC
 - MAFF will be the primary user of the data produced from the census.



Implementation

Reference period for data collection:

- Last 12 months for household holdings
- 1st January 2022 to 31st December 2022 for establishment holdings

Data collection:

- 1st April 2023 to 15th May 2023

Census Scope:

Form 1: Village questionnaire

Form 2: Households listing

Form 3: Households agriculture holding

Form 4: Large scale agriculture / establishment holding

Data Collection Process:





Implementation

Approach:

- *The CAC 2023* was to identify and approach all households in all provinces in Cambodia with the exception of the urban area of Phnom Penh. Census enumerators were mobilized in all provinces and trained for this massive undertaking.

Survey Procedure

All data in the CAC 2023 were collected in de facto method by a group of trained enumerators and supervisors directly interviewing eligible members of farming households. The respondents were any adult family member (18 years or older) of the household and knowledgeable of the agricultural holding's activities.

- *Sampling Frame from Population Census 2019 was used as the basic for listing and agriculture households interviewing*



Implementation

2022	Preparatory work (legislation, questionnaire design, etc.)
Q1 2023	Pilot Census, Preparation materials, Pretest Questionnaire
Q2 2023	Training of Trainers, Training of Enumerators, Listing, Data Collection
Q3 2023	Training editing, coding, data entry, and data processing.
Q4 2023, Q1 2024	Data entry and data processing.
Q2 2024	Data processing, data tabulation, analysis and preliminary report
Q3 2024	Preliminary report launch; Analysis and reporting for final report
Q4 2024 / Q1 2025	Final report



Challenges

Planning and methods:

- *Change in methodology removing supplementary modules*
 - *Deciding on what to include in the form*
 - *Limited space (max 13 pages)*
 - *Reducing respondent burden*
 - *Reducing size from multiple forms to a single form following 2013 census*
 - *Efforts to minimize overlap with annual survey -> whilst getting frame data for weighting/sampling of survey*
- *Removing urban areas from sample*



Challenges

- Data Collection

- *Hot & dry season*
- *Khmer New Year National Holidays, Kings birthday etc.*
- *1 Supervisor over 6-8 enumerators*
- *Fieldwork data collection & data quality management improvement*
- *Budget constraint/ incentive to data collectors is limited*



Challenges

- *Data processing*

- *Data entry*

- *Massive amounts of paperwork difficult to manage, some areas move faster than others in data entry*

- *Difficulty in matching listing form to enumeration form*

- *Number of villages did not match other datasets due to new creation of villages. Some village chiefs manage multiple villages etc.*

- *Fishing and aquaculture data*

- *Guidelines from WCA do not include this.*

- *Notoriously difficult to measure fish capture*

- *Inclusion of fish capture and aquaculture new to listing form in 2023*

- *Had to create a new threshold definition*



Solutions/Innovations

- *Forms written in dual language to facilitate support from FAO*
- *Successful collaboration between survey and census teams to reduce survey*
- *A "wish we had" survey form is being created to have a perfect survey form at the end of CAC2023 so that these innovations are not forgotten during the next census.*
- *Preliminary report to be created based on the village form -> Can be produced quicker and provides interesting maps*



Improvements for next round

- *Changes to the listing form with clearer notation on agriculture thresholds*
- *Improvements to question formulation for aquaculture and capture fishing*
- *Improved documentation of processes throughout*



Recommendations for WCA 2030 Guidelines

Inclusion of guidelines for aquaculture and capture fishing.

Guidelines for inclusion/exclusion of urban areas.

Thank you for your attention!

For more information, please visit:

Contact: National Institute of Statistics,
Ministry of Planning

Website: www.nis.gov.

Email: Sovorlak@Gmail.com

