Cambodia – National Census of Agriculture 2013 - Explanatory Notes

Historical outline
The National census of Agriculture 2013 is the first agricultural census in Cambodia.

Legal basis and organization
All statistical activities in the country are ruled by the Statistical Law of Cambodia signed on 19 July 2010. The census was conducted by the National Institute of Statistics (NIS) of the Ministry of Planning (MoP) in collaboration with the MAFF. The census was funded by the National Budget along with donors as the United States Agency for International Development (USAID), the Australian Agency for International Development (AusAID) and the Government of Sweden. The FAO provided Technical Assistance. Two committees were created shortly after the project started, the National Census Committee (NCC) and the Provincial Census Committees (PCCs), to provide assistance in census planning and organization. Around 3 000 field enumerators supervised by about 550 field supervisors worked for census undertaking.

Enumeration period
The enumeration periods were April-June 2013 and January 2014

Reference period/date
The National Census of Agriculture 2013 used the past twelve months prior to 01 April 2013 (from 01 April 2012 to 31 March 2013) as the reference period for the core module. However other periods were used for specific items:

- The day of interview for:
  - Identification of household, household members and holding and holder
  - Size of holding
  - Livestock and poultry;
  - Legal status
  - Land tenure
  - Presence of forest and woodland
  - Presence of permanent crops
  - Land use of the homelot

Definition of the statistical unit
An agricultural holding in Cambodia is an economic unit under single management comprising of at least 2 large livestock and/or at least 3 small livestock and/or at least 25 poultry of any kind and/or land with a size of at least 300 square meters (or 0.03 ha. or 3A) used wholly or partly for agricultural production purposes regardless of title, legal form or size. Holdings were classified in:

- Household:
  - Household operating 1 holding
  - Household operating more than 1 holding
  - More than 1 household jointly operating 1 holding

- Non-households:
  - Enterprise;
  - Public service organization;
  - Government agency;
  - Social group;
  - Private non-enterprise organization;
  - Other

According with land tenure, areas were classified in:

1 - owned/owner-like possession;
2 - rented from other households with payment in terms of money and/or produce;
3 - rented free;
4 - other land tenure.

Geographical coverage
Data collection covered the whole country.

Statistical coverage
All households and agricultural holdings operating at least 2 large livestock and/or at least 3 small livestock and/or at least 25 poultry of any kind and/or land with a size of at least 300 square meters were enumerated in the first phase (core module). The supplementary modules covered holdings with 10 ha or more of land and/or ten or more head of cattle/buffaloes and/or 30 or more pigs/goats and/or 500 chickens/ducks by
complete enumeration and sample holdings with 0.03–9.99 ha and/or 2-9 head of cattle/buffaloes and/or 3-19 pigs/goats and/or 25-499 chickens/ducks which were selected using sampling methodology.

Data items coverage
Topics of the census core module include the total area of agricultural holdings, location, size, use and ownership of land, the types of crops planted, use of irrigation, livestock/poultry as of day of enumeration, homelot agricultural activities and other economic activities. Topics for the supplementary module include crops and area planted, cropping pattern, area harvested, farming techniques, equipment and machineries used, livestock/poultry by ages, breed and main purpose, disposal of livestock/poultry, aquaculture activities of the agricultural households and characteristics of farming households.

Frame
The agricultural census frames were established during the implementation of the first phase of the census (core module phase) by means of a listing form (form A) and a questionnaire on agricultural holding characteristics (form B).

Methodology
The National Census of Agriculture 2013 was implemented in two separate phases. Phase 1 consisted of a core module with a complete listing of all households in 23 provinces and five districts of Phnom Penh (2.6 million of households approximately) and the enumeration of households with agricultural holdings.

In this second phase, households were divided into two groups:
- Group 1 contained agricultural holdings with 10 ha or more of land and/or ten or more head of cattle/buffaloes and/or 30 or more pigs/goats and/or 500 chickens/ducks.
- Group 2 comprised holdings with 0.03–9.99 ha and/or 2-9 head of cattle/buffaloes and/or 3-19 pigs/goats and/or 25-499 chickens/ducks.

All of the households in group 1 were enumerated completely, while in the second group sample households were selected in the 50% of villages selected with probability proportional to size in each commune and d. 5 percent of the households in group 2 were selected using systematic sampling with a random start. The sample households in group 2 were interviewed.

Information was collected in paper questionnaires filled through face-to-face interviews.

Post census techniques to check census quality.
No PES was conducted. Quality checks, inconsistencies checking and comparisons with external data were the main ways for assessing quality of the census.

Special features
The census followed the modular approach advocated by the World Census of Agriculture 2010 (WCA 2010) FAO Programme. Aquaculture and the undertaking of a community survey are other special features of the National Census of Agriculture in Cambodia.

Data source
Census Questionnaires; Census Manuals; Terminal Statement Project FAO/TCP/CMB/3401; APCAS meetings at: http://faorap-apcas.org/rdes/PPT/cambodia_metadata.pdf

Mailing address / Census contact Points
Ms. Josie Perez. National Institute of Statistics (NIS) of the Ministry of Planning and the Ministry of Agriculture, Forestry and Fisheries (MAFF). Email: jobperez@gmail.com