

Workshop to Establish a

**National Agricultural and Rural Survey Calendar of
Bangladesh**

based upon

**Integrated Planning of Agricultural Census and
Surveys**

Main features and changes of the WCA 2020 Programme, Concepts and Definitions

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**Food and Agriculture Organization
of the United Nations**

Outline

- **Background**

- **WCA 2020 main**

features

- **WCA 2020 main**



Background of WCA: Preparation work

- 2013-14: **extensive consultations** held with census stakeholders: countries in the regions, FAO divisions and DOs, the International Advisory Group on FAO Statistics (IAGFS).
- **Methodological review** of countries' reports and experiences in the implementation of the WCA 2010.
- Critical **feedback** for the development of the first draft of the WCA 2020 guidelines.



Feedback from countries

1/3

- **Modular approach, linkage** with **population census, gender data** and **community-level** survey still relevant
- **Need** to improve clarification and operational guidance on approaches
 - E.g. FAO/UNFPA Handbook on Linking Population and Agricultural Censuses (2012)
- **Improve** the approach to gather gender-related data and the concepts on sub-holding and sub-holder □
- **Increased** use of new technologies (e.g. CAPI, GPS) - advantages for census taking: timely and more frequent data, data accuracy, cost efficiencies, reduction of non-sampling errors



Feedback from countries

2/3

- **Countries** without a regular survey programme **rely on census** to collect wider range of data to meet needs
- **Calls to increase** scope of data collection but also increase efficiency, timeliness and frequency of data, minimize response burden and costs
- **Provide guidance** to countries collecting fisheries data in the census of agriculture (>15 countries)



Feedback from FAO and stakeholders 1/3

- **Close linkage** to the “Global Strategy to improve agricultural and rural statistics” (2010). Cross-reference to publications
- **Further stresses** the need for an integrated statistical system, composed of:
 - Census of agriculture
 - Periodic agricultural surveys
 - Administrative data
 - Where necessary hh surveys, population & housing census, etc.
- Bring the **food security** theme in line with the approach developed by FAO’s “Voices of the Hungry” project



Feedback from FAO and stakeholders 2/3

- Extend the list of items on sustainable practices (breakdown of “use of good agricultural practices”)
- Provide guidance to countries collecting and reporting data on greenhouse gas emissions (GHG) from agriculture (EU 31, Costa Rica, Argentina, Colombia, Mexico, Brazil)
- Increased emphasis on the access to and use of results: documentation, archiving, and dissemination of census results.

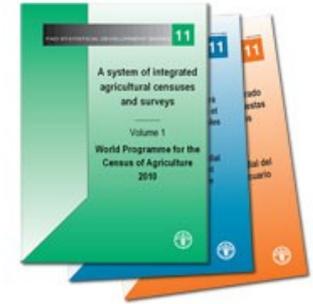


Feedback from FAO and stakeholders 3/3

- **Strengthen** criteria (items) to identify farm typologies (e.g. family farming based on legal status, main purpose of production, labour use).
- **Update** classifications in line with current international standards



WCA 2020- Main features



WCA 2020 envisaged in two Volumes:

1. The WCA 2020 *Volume 1 "Programme, Concepts and Definitions "* - in print

Deals with methodological and conceptual aspects of the census of agriculture

2. The WCA 2020 *Volume 2 "Operational guidelines on implementing Census of Agriculture"*- outline

Will deal with the practical details on the steps involved in actually conducting an agricultural census. A revised and updated edition of "Conducting Agricultural Censuses and Surveys" (FAO, SDS6, 1995)



WCA 2020 - Main features 1/6

cont'd

1. Volume 1 "Programme, Concepts and Definitions"

- Objectives and uses of the census
- Methodologies
- Relationship with other censuses (population, aquaculture, others)
- Themes and items
- Community-level data
- Tabulation and dissemination

2. Volume 2 "Operational guidelines on implementing Census of Agriculture" (next presentation)

- Modalities to census taking
- Census framework (institutional, legal, quality)
- Preparation and execution (census preparation, data collection, processing, analysis, dissemination)
- Main steps and toolkit recommended for each census modality



WCA 2020 - Main features 2/6

1. Close linkage to the **Global Strategy** to Improve Agricultural and Rural Statistics:

- Census of agriculture is a source for the **minimum set of core data** of the GS (first pillar). **NOW SDG monitoring**
- The census contributes to **integration of agriculture into the national statistical system** through the master sampling frame and an integrated census-survey programme (second pillar). *AGRIS* will be instrumental in this.
- The census involves a comprehensive **capacity building** exercise (third pillar)
- **The reader will be referred to the Global Strategy's publications.**

AGRIS: Agriculture Integrated Survey programme



WCA 2020 - Main features

3/6

2. Discusses four modalities of conducting an agricultural census:

a. Classical approach (*still widely used*)

One-off operation, conducted with a single/set questionnaire(s), including all essential/structural items plus some additional items.

- Appropriate for countries having integrated census-surveys programme or wishing to collect some “additional” items at low administrative level.

b. Modular approach (*introduced in WCA 2010*)

With a clearly distinguishable core module (full enumeration) and supplementary module(s) (on sample basis). Core module serves as the frame for the supplementary module(s).

- Useful to countries where the census-survey programme is not well developed and the conduct of modules over a period of time can lay the foundations for an integrated agri-census & survey programme.



WCA 2020 - Main features

3/6 cont'd

c. Use of registers and administrative records

Registers and other administrative sources can be used as a source of census data, depending on their content and quality.

- Appropriate for countries where some census information can be obtained from administrative sources. The most complete use of registers will be when all the "essential" census items can be based on administrative sources.

d. Integrated census and survey programme

Aims to re-enforce the integration of the census of agriculture in a multi-year census/survey programme.

- Uses AGRIS, a modular survey programme, which is to be articulated with the agricultural census programme and conducted on an annual basis over a ten-year time frame between two censuses.



WCA 2020 - Main features

4/6

3. Census items: distinction between essential, frame and additional items :

- **Essential items (23)** - for national purposes and international comparability. All countries recommended to collect regardless of the census modality.
- **Frame items (15)** - necessary for the establishment of frames for supplementary modules under the modular approach or follow-up surveys.
- **Additional items (96)** - to collect more in-depth supplementary data on specific themes. Apply to any census modality.

In response to increasing demands for data, the WCA 2020 has also increased the number of census items. However, some 'additional' items could not be considered as 'structural' (not changing rapidly over time) and might be better suited to the statistical survey programme.



WCA 2020 - Main features

5/6

4. Introduction of **two new** Themes: **'Fisheries'** and **'Environment/GHG emissions'**. The Theme **'Agricultural practices'** has extended the items on sustainable agriculture.

5. **Use of information technology (IT)** - increased emphasis on IT in data collection, processing and dissemination. Examples:
 - Computer- assisted personal interview (CAPI), e.g tablets
 - Geo-referencing
 - Use of interactive outputs and web-based data
 - Access to anonymized micro-data



WCA 2020 - Main features (retained) 6/6

Four other features were retained in the WCA 2020:

6. Emphasis on **integration** of the agricultural census within the overall framework of the **system** of agricultural censuses and surveys.
7. **Linking** Population Censuses with Agricultural Censuses is re-emphasized (*FAO/UNFPA Guidelines, 2012*)
8. **Community-level data:** Strong demand for and increased use of this kind of data vis-a-vis marginal cost .
9. Collection of **gender-disaggregated** data. The approach has been improved to facilitate the collection of such data.



World Programme for the Census of Agriculture (WCA) 2020

Main Changes



WCA 2020 - Main Changes: concepts and definitions 1/5

Statistical Unit (agricultural holding) **and** **agricultural holder**

Definitions remain the same as in the previous programme.

Sub-holding & **sub-holder** concepts: omitted as the approach to assess the role of gender in the holding has been revised.

Forest or **other wooded land** has been re-defined to bring it in line with SEEA Central Framework (UNSC, 2012).

Employment concepts have been updated to be consistent with the new work statistics framework developed by ILO (2013).



WCA 2020 - Main Changes: Themes/Items 2/5

No	Theme	Changes*
1	Identification	ID items put together in this theme. Four new items
2	Land	Updated according to SEEA, 2012. One item modified
3	Irrigation	Two new items
4	Crops	Two new items
5	Livestock	One new item
6	Agr practices	Four new items (sustainable agriculture), one omitted
7	Agr services	-
8	Demographic	One new item, one omitted

* New items include re-introduced items and components of existing items



WCA 2020 - Main Changes: Themes/Items 3/5

No	Theme	Changes*
9	Work on holding	Updated according to ILO, 2013. One new item, three modified, two omitted
10	Intra-hh decision	Approach changed. Five new items, six omitted
11	Food security	Methodology changed. One new item, four omitted
12	Aquaculture	-
13	Forestry	Updated according to SEEA. Two items modified
14	Fisheries	A new theme altogether. Seven new items
15	GHG/Environment	A new theme altogether. Seven new items

WCA 2020 - Main Changes: Themes/Items Summary 4/5

Theme	Number/Description
New	2 (Fisheries and Environment/GHG emissions)
Items	Number
New items	43*
Modified items	19
Omitted items	18

* Includes 15 items of two new themes, two items re-introduced and five items which are components of existing items



WCA 2020 - Main Changes: Updates in Classifications 5/5

- **Land use classification** updated and consistent with the *System of Environmental -Economic Accounting (SEEA) - Central Framework* (UNSC, 2012).
- **Areas of economic activity** updated and consistent with *International Standard Industrial Classification of all Economic Activities (ISIC) Rev. 4.0* (UN, 2008)
- **Crop classification and classification of livestock** updated and consistent with the *Central Product Classification (CPC) Version 2.1* expanded (UN, 2014)
- **Machinery and equipment classification** updated according with the *Harmonized Commodity Description and Coding System* (HS 2012).



Way forward

- **WCA 2020, Volume 1 Available online**
- **Volume 2 in preparation**
- **WCA 2020 will be disseminated to countries in Asia in Roundtable Meeting, Bangkok, September 2016.**



THANK YOU!



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