



## ASIA AND PACIFIC COMMISSION ON AGRICULTURAL STATISTICS

<b>TWENTY-SIXTH SESSION</b>
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<b>Agenda Item 6.2</b>
<b>Main features and changes in WCA 2020, Volume 1 Programmes, Concepts and Definitions</b>

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# Main features and changes of the WCA 2020, Volume 1

## Programme, Concepts and Definitions

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# Outline

- **WCA 2020 main features**
- **WCA 2020 main changes**



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## WCA 2020– Main features 1/6

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)



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# 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



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# 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).
  - 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 is referred to the Global Strategy's publications.

AGRIS: Agriculture Integrated Survey programme



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## 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.



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## 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.



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## 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.



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## 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



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## 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 used 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.



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# World Programme for the Census of Agriculture (WCA) 2020

## Main Changes



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# 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).

“An agricultural holding is an economic unit of agricultural production under single management comprising all livestock kept and all land used wholly or partly for agricultural production purposes, without regard to title, legal form, or size”



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## 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



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## 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/Environm	A new theme altogether. Seven new items



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## WCA 2020 – Main Changes: Themes/Items Summary 4/5

Themes	Number/Description
New	2 (Fisheries and Environment/GHG emissions)
Modified	2 (Intrahousehold decisions and Food Security)

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



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# 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)*.



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## Way forward

- **WCA 2020, Volume 1 printed (English)**
- **Being translated into French, Spanish, Chinese, Russian, Arabic**
- **Volume 2 in preparation**
- **WCA 2020 will be disseminated to countries through regional roundtables during 2016-2018**



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**THANK YOU!**



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