



منظمة الأغذية
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para la
Agricultura
y la
Alimentación



Update on the World Census of Agriculture 2020 Programme

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Outline

- WCA 2020 Programme and Role of FAO
- WCA in the New International Environment
- WCA in the Integrated Statistical System
- Approaches to WCA 2020
- Content of WCA 2020 Programme
 - Supplementary guidelines
- Process and way forward
- Discussion points

WCA 2020 Programme



- WCA 2020 covers period 2016-2025
- Role of FAO:
 - Prepares and issues Guidelines
 - Monitors and documents the censuses conducted during that round (serve as feedback for next WCA round)
 - Prepares reviews of results and methodologies of the censuses conducted during the past round.

International Context

1. New development agenda Busan Plan for Statistics and Post 2015 Development Agenda; Global Strategy to Improve Agricultural and Rural Statistics.
2. Methodological innovations in survey and census taking
 - Improved technology for data collection
 - Reduced cost and increased use for remote sensing and digital tools
 - Digital/mobile/geo information technology such as GPS and georeferenced data; technologies for CAPI collection: notebooks, tablets, smart phones, PDAs
3. Expanding data requirements from users:
 - Emerging policy issues: Food Security, sustainable agriculture and rural development; Rural employment and gender;
 - Continued importance: poverty monitoring, production and trade
 - Importance of evidence based design, monitoring and evaluation of policies

International Context (cont'd)



4. Calls from users for greater use of statistics, data accessibility and access:

- Increased engagement between policy users and statistical producers
- Greater use > Greater value on statistics > increased support and resources for statistics
- Results = calls for not only broader themes but also more timely, frequent data

Integrated Statistical System

- Cross cutting policies = diversified data requirements, beyond traditional realms of agricultural production and trade
 - Data on rural households and communities for aquaculture, fishing and forestry
 - Data on land not managed by the holding
- Makes necessary an integrated statistical system, composed of:
 - Census of agriculture
 - Periodic agricultural surveys
 - Administrative data
 - Where necessary making use of household surveys, population and housing censuses etc.
- Agricultural census focuses on data on agricultural holdings
 - Structural data, small geographic areas, data to build survey frame, rare commodities, benchmark estimates

Integrated Statistical System (cont'd)

- Surveys in the statistical system: food consumption, income and expenditure, rural labour force, household food security etc.; agriculture service establishments.
- Highlights importance of developing Sector Strategic Plans for Agricultural and Rural Statistics and Integration into NSDS

WCA 2020 Programme: General



- Calls to increase scope of data collection but also increase efficiency, timeliness and frequency of data, minimize response burden and costs
 - In some countries more rapid changes to structure of agriculture due to urbanization, agricultural innovation (horticulture, new farm management practices)

Conceptual Framework and Recommendations

- New technologies and innovative methods for data collection
- Lessons from other large-scale data collections
- Greater use and access to census results: documentation, archiving, and dissemination of results
- Links to integrated statistical framework through NSDS and SSPARS

Operationalization of the census

- Supplementary guidance: e.g. use of new technologies

WCA 2020 Programme: Building on 2010



- Support for new approaches of WCA 2010 - 22nd session of AFCAS
 - Modular approach,
 - Linkage with population census for key items,
 - Community survey,
 - Sub-holder concepts
- Need to improve clarification and operational guidance on use of these approaches
 - E.g. FAO/UNFPA Handbook on Linking Population and Agricultural Censuses

WCA 2020 Programme: New approaches

- New approaches to consider:

New technologies

- Computer Assisted Personal Interviewing (CAPI) - using laptops, tablets, smart phones and PDAs;
- Use of data from remote sensing
- Increase geo-referenced data (mobile and geo-referencing technologies such as GPS)

New methodologies

- Sample censuses and rolling censuses, which are innovations in census design
 - Administrative data: community data, farmers' registers, and data from crop associations and cooperatives
- Advantages for census taking: timely data, more frequent data, data accuracy, cost efficiencies, reduction of non-sampling errors

Methodological Issues for the 2020 Programme

- Updates on international classifications used with respect to land cover, crops, machinery and equipment, and livestock
- Updating to align with the International Standard Industrial Classification 4.0
- Definition of standards on the definition of urban and rural areas
- Guidance on setting thresholds on size of the holding enumerated during the census. For practical purposes of census taking thresholds on the holding are often set to limit the scale of data collection.
- Definition of farm typologies
- Definition of agricultural employment
- Improve the collection of gender disaggregated data

WCA 2020: Other methodological issues (2)



Classifications need revision to harmonize with new international standards (SEEA, CPC v2, HS)

- Land use classification
 - Consistency with SEEA, IPCC, FRA
 - Further breakdown of the category of “other land” (SEEA: buildings, protected land, aquaculture land)

- Crop classification
 - Adding aquatic plants
 - Expand coverage to aromatic, medicinal and narcotic plants
 - Mapping to CPC

- Machinery and equipment classification
 - To cover hand tools (Important for developing countries)
 - To cover post-harvest machinery
 - Breakdown by age and capacity of big machinery (important for estimation of capital formation)
 - Mapping to HS

Meeting new users' needs:

- **Agricultural practices** : Organic farming, Crop rotation practices, Farm Management Practices Fertilizers used by crops, Conservation agriculture, Livestock mang't practices (e.g. SAPM in Eurostat)
- **Climate change**
- **Agricultural labour force**: Data on child labour, On-farm and off-farm employment (income) for social protection
- **Income sources and key factors of production**
- disaggregated data for: land management, land ownership, ownership of productive assets resources generated from farm, access to services
- **Aquaculture**: aquaculture facilities and inputs (feed, machinery)
- **Data for frames for ad-hoc surveys**: Pre/post harvested wastages, Disposal of harvest: seed, feed, wastage, Extraction rates and processing efficiencies , Cost of production surveys Surveys on use of forests and non-wood forest products
- Family farming and small holder agriculture , urban agriculture

- Supplementary Guidelines: Operationalization
- Global Strategy inputs
- Additional guidelines will also be prepared to provide practical guidance for conducting the census.

Possible themes include:

- Implementation of modular approach and use of sampling
- Integrated survey framework
- Building Master Sampling Frames
- Use of administrative data to reduce cost for census taking
- Use of new technologies (PDA, GPS, CAPI) for collecting census data
- Analysis and use of census data in conjunction with other data sets
- Archiving and access/dissemination of anonymised micro-data

Process and Development of WCA 2020

Activity	Period
Consultations	
Internal consultations at FAO	Ongoing
External consultations: countries, experts, int'l organizations	Ongoing
Methodological review	
Methodological review of ag-census in Asia-Pac, Africa, Americas, Europe	Ongoing
Prioritize recommendations and lessons learnt	Sep-Oct 2013
Technical papers	
Discussion papers in regional & international meetings: AFCAS, IICA, ICAS-VI, IAGFS (2013), APCAS, UNSC (2014)	Ongoing
Writing	
Concept note and draft workplan	Jul 2013
Annotated outline for WCA2020 and technical roles assigned	Nov-Dec 2013
Preparation of 1 st drafts of the Guidelines and other volumes (conducting census, processing, analysis, etc.)	2014

Process and Development...cont'd



Activity	Period
Validation	
Peer review of draft WCA 2020: countries, experts, int'l organizations, regional and intern'l meetings	Late 2014
Adoption by governing bodies: UNSC, FAO	2015
Publication and dissemination	
Revision, edition, layout and publication	2015
Dissemination seminars	2016 onwards

Process and Development...cont'd



- The different themes, core items and classifications will be reviewed and updated with the help of experts in each subject-matter
- The needs expressed during consultations will be prioritized
- New data needs (including those from Global Strategy) will be covered to the extent possible
- Non-essential changes should be avoided as countries that have collected some of these data elements in WCA 2010 will not want to lose the benefit of historical comparisons.

Questions & Recommendations for Discussion

- Views on approach proposed?
 - New technologies, census methodologies, administrative data, sample censuses

- Content of Programme?
 - Conceptual framework and Supplementary guidance; classifications and items; increased dissemination and access to aggregate census data

- Process and areas for collaboration?



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Thank you

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