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Webinar on the Operational Guidelines of the World Programme for the Census of Agriculture 2020

Virtual Meeting

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Processing, Archiving and Access to Agriculture Census data in Georgia

Technical Session 7: Census post-enumeration – processing, archiving, PES and analysis

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General Overview

- The last agriculture census has been conducted in 2014 with conjunction of population census.
- The methodology (including questionnaire and Instruction) based on FAOs Guidelines for the World Programme of Agricultural Censuses, 2010”.

Technical and financial support has been provided by:

- Food and Agriculture organization - FAO
- United States Department of Agriculture - USDA



Agriculture census main topics

The main topics of results are:

- General information of agricultural holdings
- Land operated by agricultural holdings
- Permanent crops
- Irrigation
- Livestock, poultry and beehives
- Agricultural machinery
- Utilization of agricultural products



Data collection method

The data were collected (completed enumeration) through two ways:

- Face-to-face interview via paper-based questionnaire - for the family holdings
- Web based online questionnaires - non-family holdings (enterprises)

Note 1: *In terms of data collection the completed enumeration is considered*

Note 2: *Both data collection types were carried out separately (Face-to-face interview with conjunction of population census in 2014 and web based – later in 2015)*

Note 3: *For the common land data obtaining additionally the municipal authorities were interviewed via Web based online questionnaires in 2015 (separately of general census)*



Data collection method

- During the data collection the special maps were prepared based on GIS facilities.
- It allowed to minimize field work errors and clearly define addresses of holding.



Agriculture census database formation and processing

- The agriculture census database (micro data) is stored in SQL facilities
- For the census data cleaning and editing process the special software has been elaborated based on SQL server
- The visual matters of this software were based on PHP (Personal Home Page) application



Agriculture census database formation and processing

- For the data validation process outputs had been compared to other appropriate administrative sources (Different governmental agencies such as: Public register agency, National Food Agency, Tax Service).
- In some cases, the imputation methods were widely encouraged in accordance consultations with international experts
 - ❖ Most cases, the imputation were made on land related variables



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Agriculture Census database fields

List of fields:

- Data on agriculture
- Personal information on holders
- Information on dwelling
- Personal information on family members
- Personal information on emigrants
- Common land data
- Data on agricultural holdings operating aquaculture and greenhouses
- GIS data



Usage of Agriculture census database

Based on General Agricultural Census Geostat created
master sample frame for agricultural surveys

Master sample frame currently used for:

- Survey of Agricultural Holdings
- Survey of Aquaculture Holdings

Additionally it is used for:

- Integrated agricultural surveys
- Specific agricultural surveys
- Greenhouse surveys
- Social-economic surveys
- Surveys on agriculture for specific social groups



AgriCensus data dissemination

- Agriculture census data were disseminated as a special bilingual (Georgian & English) publication : “Agricultural Census of Georgia 2014”
- The detailed tables and survey material were publicized in special portal available on GEOSTAT’s web page
- Comprehensive micro data (excluding confidential disclosure) can be available for data users for deep analyzes upon their request
- Data has been disseminated in 2016

Note: The information which allows to disclosure holdings is considered as confidential. Detailed information is available at: https://www.geostat.ge/media/20860/Data-Confidentiality-Policy-at-Geostat_En.pdf



Data availability

Agriculture census results are available on
GEOSTAT's web-page portal:

<http://census.ge/en/results/census1>

It can be find out here (see the highlighted in red):



Next steps

The new agriculture census is planned to conduct in 2024 with conjunction of population census. Although, some details are still under discussion, including:

- Complete enumeration will be used
- Which of the data collection method will be used (PAPI, CAPI, CAWI or CATI)
- The administrative data for some census items



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THANK YOU