Workshop on
World Programme for the Census of Agriculture 2020
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Theme 13: Forestry
Technical Session 14

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Outline

• Background
• Importance of the theme
• Items
• Concepts and definitions
• Country experiences
Background

**Theme 13: Forestry** refers to forest and other wooded areas on the agricultural holding.

In order to harmonize with the new concepts and classifications from the SEEA 2012*, some items from the WCA2010 have changed as follow:

- The wording “forest and other wooded land” changed to “woodland”.

**Units engaged in forestry** are not covered unless they also had some crop or livestock production activities. In order to have a complete picture of forestry activities in a country, all forestry holdings should be included and not just those associated with an agriculture holding: Forestry census.

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Importance of forestry

One-third of the world’s people depend on forest goods and services for the direct provision of food, wood fuel, building materials, medicines, employment and cash income.

Forests are not only important for the people who live in them, but also for those living in adjacent landscapes.*

Agro-forestry plays an important role in soil conservation, livestock production and environmental preservation.

*XIV World Forestry Congress. Durban, South Africa, Sept. 2015
**Items**

**Theme 13 comprises 4 items (for the holding)**

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1301</td>
<td>Presence of woodland on the holding;</td>
</tr>
<tr>
<td>1302</td>
<td>Area of woodland;</td>
</tr>
<tr>
<td>1303</td>
<td>Purposes of the woodland;</td>
</tr>
<tr>
<td>1304</td>
<td>Whether agroforestry is practiced</td>
</tr>
</tbody>
</table>
Item 1301: Presence of woodland on the holding

**Type:** Frame item.

**Reference period:** Census reference day

**Concept:**

- If some area of the holding is classified as “forest and other wooded land” in Land item 0202, then the holding contains wooded areas. **However,** this may not be sufficient for identifying all holdings with wooded areas potentially usable for forestry activities or other purposes because:
  - Land use classification is based on the concept of main use of the land. For example, “land under permanent meadows and pastures” may span over 0.5 ha, with higher than 5m and crown cover of more than 10%. To identify all holdings with forest and other wooded land, **data on secondary land use are needed.**
  - The criterion of spanning over 0.5 ha limits capacity of the land-use approach for identifying all holdings with wooded areas potentially usable for forestry. In some countries, **small wooded areas** on holdings may play an important role in sustaining livelihoods.

- Because of the above considerations, the concept of woodland is introduced here. **It refers to the area of land satisfying all criteria for either forest land or other wooded land except** the criterion of spanning over 0.5 ha.
Item 1302: Area of woodland (for the holding)

Type: Additional item

Reference period: Census reference day

Concept: This item collects data on the total area of woodland on the holding as defined in item 1301 further subdivided into various components:

a. Forest land as primary land use;
b. Other wooded land as primary land use;
c. Forest land as secondary land use on agricultural land
d. Other wooded land as secondary land use on agricultural land
e. Other Woodland

Notes:

- a. and b. - land classified as “forest land” and “other wooded land” in the land use classification (Item 0202);
- c. and d. - those areas on the holding that satisfy the criteria for forest land and other wooded land, but were classified as agricultural land according to their primary land use. Agricultural land covers arable land, land under permanent crops, and permanent meadows and pastures.
- e. - those areas that span less than 0.5 and satisfy all other criteria for either forest land or other wooded land.
Item 1303: Purposes of woodland (for the holding)

Type: Additional item
Reference period: Census reference year
Concept: This item relates to all woodland on the holding, including all categories listed in Item 1302.

Purposes:
Production: Wood and non-wood
Soil and water protection: Protection of soils from wind and water erosion.
Improving agricultural production: Trees integrated into agricultural systems, providing a range of benefits in terms of restoring or sustaining soil fertility and boosting food production.
Social and cultural values: When forest area is primarily designated or managed for spiritual or cultural values or practices.
Recreation and ecotourism: Such as Agrotourism and ecotourism, which can conserve natural resources, provide employment opportunities and boost the rural economy.
Other: with not specific function
Item 1304: Whether agroforestry is practiced (for the holding)

**Type:** Frame item

**Reference period:** Census reference year

**Concept:** Agroforestry is a sustainable land management system in which forest species of trees and other wooded plants are purposely grown on the same land as agricultural crops or livestock, either concurrently or in rotation. Agroforestry includes:

- **agrosilvicultural** (trees and crops)
- **silvopastoral** (trees and livestock),
- **agrosilvipastoral** (trees, crops and livestock) systems.

**Notes:**

- **Agroforestry** refers to specific forestry practices that complement agricultural activities, such as by improving soil fertility, reducing soil erosion, improving watershed management, or providing shade and food for livestock.
- Countries need to develop their own procedures to collect data on agroforestry systems. Some may wish to collect data on specific agroforestry activities.
Chile. VII Agriculture and Forestry Census 2007.

Section IX of the census questionnaire is devoted to “Forest Area”.

For each one of ten species of cultivated forest: aspen, mimosa, eucalyptus niplen eucalyptus globolus, pine radiatus, pine oregon, rauli, coigüe, oak, tamarugo the planted area and forests age were recorded along with information about whether forest management and/or irrigation were applied.

In the case of native forest, area covered and whether forest management was used were recorded for 12 native spices.

In case that trees were used as windbreakers, the total linear meters involved were also recorded.

In Section XVI of the questionnaire (Other activities on holding) several forest produces were also investigated: carbon, firewood, wood for pulp; wood for sawmills and mushrooms.

In the Section about Land use, it was recorded the type of uses for forests: livestock, wood, unexplored forests and rest of forest and woodland.
Namibia, 2013-14 Census of Agriculture.

Section 11 of the census questionnaire, “Forestry”, consisted of three sub-sections:

- Area of forest and other wooded land;
- Main purpose of forest and wooded land;
- Presence of agroforestry practices on the holding.

A screening question headed the section: “presence of forest or wooded land on the holding”.

If forest and/or wooded land was present, areas of forest and areas with other wooded land were reported according primary or secondary land use.

**Main purpose of forest/wooded land referred to:**

<table>
<thead>
<tr>
<th>Production;</th>
<th>Biodiversity;</th>
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<tbody>
<tr>
<td>Sustainable livelihood;</td>
<td>Wood cover;</td>
</tr>
<tr>
<td>Soil and water management;</td>
<td>Fodder;</td>
</tr>
<tr>
<td>Multiple use;</td>
<td>Other (e.g. windbreaks).</td>
</tr>
<tr>
<td>Conservation;</td>
<td></td>
</tr>
</tbody>
</table>

Presence ("No/Yes") of agroforestry practices.
MANY THANKS