



# Current approaches to measuring asset ownership and control:

## FAO's recent experience with Agricultural Censuses and Surveys



# Introduction

FAO contribution to EDGE Project:

- **Review data collection methods** on land 'ownership' and 'management' in agricultural censuses during WCA 2010;
  - **Propose, discuss and suggest guidelines and data collection tools** to allow generating comparable sex disaggregated statistics on ownership and management of land and access to key assets in agriculture;
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# Introduction (cont'd)

- **Highlight** key WCA aspects for analysing gender gap in land ownership;
  - **Summarise** review to date of WCA 2010 national experiences;
  - **Present** tools for sex-disaggregated data collection of land ownership/management ;
  - **Propose** issues/topics for discussion.
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# Agricultural Census

## Objectives:

- **Provide** data on the structure of agricultural holdings that is necessary for policy-making, planning and evaluation;
  - **Provide** data for small administrative units;
  - **Provide** a sampling frame for agricultural surveys and benchmarks to improve current crop and livestock production estimates.
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# Agricultural Holding (def.)

- **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”;
  - The holding's land may consist of one or more **parcels** that share the same production means, such as labour, farm buildings, machinery or draught animals;
  - Parcels are further divided into **plots**.
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# Agricultural Holder (def.)

Person who:

- **Makes major decisions** regarding resource use and exercises management control over the agricultural holding operation;
  - Has **technical and economic responsibility** for the holding;
  - May undertake all responsibilities **directly**, or **delegate** responsibilities related to day-to-day work management to a hired manager.
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# World Census of Agriculture (WCA)

- **Ten-year, world-wide programme** of agricultural censuses promoted by FAO with over 100 participating countries since 1950;
    - FAO: 1950, 1960, 1970, 1980, 1990, 2000, **2010** (ongoing);
    - IIA: 1930, 1940 (unpublished);
  - **WCA 2010** covers period 2006-2015;
  - Two components:
    - **Agricultural Census** itself - complete enumeration of holdings;
    - **Agricultural Survey Program** – in-depth sample surveys.
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# WCA 2010: Sub-Holding and Sub-Holder

- **Sub-Holding:** activity or group of activity managed on behalf of holder;
  - **Sub-Holder:** person who manages the sub-holding on the behalf of holder;
  - Recommended for inclusion under Theme 12: **Management of the Holding.**
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# Land Ownership/Tenure

- **Land Tenure**: arrangements or rights under which the holder operates the land making up the holding;
  - **Recommended types** (Item 0009)
    - legal ownership or legal owner-like possession;
    - non-legal ownership or non-legal owner-like possession;
    - rented from someone else;
    - other types of land tenure.
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# Review of National Census Experiences

- **102** Agricultural Censuses conducted to date;
  - **Regional variation** in census materials available (questionnaires, reports, etc.);
  - **Subset selected** (Africa -10 countries; Asia/Oceania - 21 countries) due to time constraints;
  - Focus: **availability of data** to generate SDD - land tenure/mode of acquisition and sex of holder, sub-holder, plot manager.
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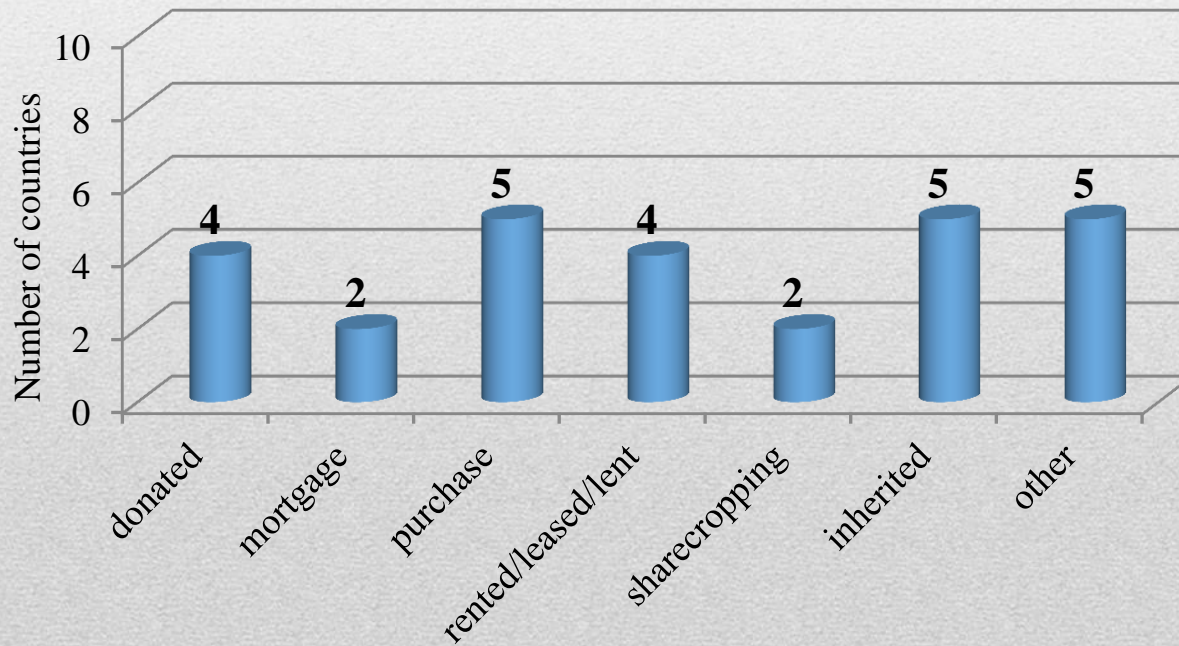


# National Census Experiences

	Africa (10 countries sampled)	Asia/Oceania (21 countries sampled)
<b>Data collected on land tenure/ownership/mode of acquisition</b>		
At Holding Level	10	17
At Plot Level	7	8
<b>Possible to generate SDD on tenure</b>		
At Holding Level	5	2
At Plot Level	4	0

# Tenure Categories

- **Considerable variation** in categories chosen;
- **Modes of Land Acquisition** collected by some countries at plot level.





# Examples of Data Collection - Analysis Tools

- Source: **FAO Agri-Gender Statistical Toolkit**;
  - **Gender relevant questions and tables** jointly developed by national statisticians and FAO for agricultural censuses undertaken in Africa between 1993 and 2006;
  - **Examples from the Access to Land and Water section** to facilitate data collection on access to land, area cultivated and land tenure status by sex of the holder or sub-holder.
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# Example from Niger

<i>INVENTAIRE DES PARCELLES DU MÈNAGE AGRICOLE</i>					
<i>Identification champs, parcelles</i>		<i>Nom et prénoms du responsable de la parcelle</i>	<i>Sexe du responsable de la parcelle</i>	<i>Type de gestion de la parcelle</i>	
1	2	3	4	5	
<i>Inscrire le numéro d'ordre du champ</i>	<i>Inscrire le numéro d'ordre de la parcelle</i>	<i>Inscrire d'abord le nom, puis les prénoms du responsable de la parcelle en commençant par le Chef de Ménage</i>	<i>1 = Masculin 2 = Féminin</i>	<i>1 = Individuel 2 = Collectif</i>	
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<i>Etc.</i>					



- The list of all plots/fields of the holding allows for an easy **identification** of the sex of holder and any sub-holders.
- This forms the basis of all **cross-tabulation** illustrating gender specific differences in agricultural production.



# Example from Ivory Coast

<i>No propr. ou gestionnaire de la parcelle</i>	<i>Sexe du propr. ou gestionnaire</i> 1 = Mas. 2 = Fem.	<i>No Champ</i>	<i>No parcelle</i>	<i>Lieu-dit</i>	<i>Superficie mesurée en ha</i>	<i>Statut de propriété</i> 1 = propriété avec titre 2 = propriété sans titre 3 = location 4 = prêt 5 = autre	<i>Principales utilisations</i> 1 = cult. pérenne 2 = cult. annuelle 3 = pâturage 8 = jachère 16 = autres (somme des codes)	<i>Relief</i> 1 = plaine 2 = Plateau 3 = Bas-fond 4 = Montagne	<i>Irrigation</i> 1 = oui 2 = Non
1	2	3	4	5	6	7	8	9	10

- Lists all plots/fields used by a holding (**columns 3 and 4**), the **sex of the holder and any sub-holders** (**column 2**) and the **sizes of the sub-holdings**(**columns 6 and 16**) Other variables include **ownership status** (**column 7**) and the **means** by which the land was **obtained** (**column 12**).

# Example: Tanzania

**Tenure status** of land “owned” by household; **cross-tabulation** with **sex of holder**; proportion of holdings where a **female has customary rights** (Y/N).

4.1 Details of area “owned” by the household in the 2002/03 agricultural year. Give area reported by the respondent in acres.			
Area in acres			
4.1.1	Area leased/certificate of ownership	[[[[]]. [[[]]	4.2 Was all land available to the household used during 2002/3? (Yes =1, No =2)    [ ]
4.1.2	Area owned under customary law	[[[[]]. [[[]]	
4.1.3	Area bought from others	[[[[]]. [[[]]	
4.1.4	Area rented from others	[[[[]]. [[[]]	4.3 Do you consider that you have sufficient land for the household (Yes =1, No =2)    [ ]
4.1.5	Area borrowed from others	[[[[]]. [[[]]	
4.1.6	Area share-cropped from others	[[[[]]. [[[]]	
4.1.7	Areas under other forms of tenure	[[[[]]. [[[]]	4.4 Do any female members of the household own or have customary right to land (Yes = 1, No = 2) [ ]
Total Area		[[[[]]. [[[]]	



# Conclusion

- **Agricultural Census** is a potentially useful source for data on land ownership/management from a gender perspective;
  - **Key WCA Concepts:** Agricultural Holding, Agricultural Holder, sub-Holding and Sub-Holder; Plot and Plot Manager;
  - **Relatively high incidence** of countries participating and collecting information on land ownership/tenure/mode of acquisition at **holding** (90-100%) and **plot** level (75-100%).
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# Conclusion (cont'd)

- High proportion of countries collecting **Sex of Holder** (Holding=unit of statistical observation; Sex of Holder in Core Module);
  - Relatively lower proportion of countries **collecting Sex of Sub-Holder or Plot Manager** (Sub-Holding = new concept; Gender & Sub-Holding in Supplementary Modules);
  - Poses **challenge to individual-level analysis** of agricultural assets (land) using the agricultural census.
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# Questions/Issues for Consideration

- What is potential for gender analysis of agricultural asset ownership in agricultural censuses and other large-sample surveys?
  - What aspects in WCA (e.g., supplemental module items; sub-holder concept, etc.) facilitate the analysis of agricultural land ownership at individual level?
  - Will such investigations, and their data intensive approaches, be limited to topic-specific, smaller sample surveys?
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# Questions/Issues for Consideration (cont'd)

- How useful for the EDGE pilot study are the examples from the FAO Agri-Gender Statistical Toolkit?
  - How to improve the census/survey questionnaires in order to collect sex - disaggregated data on various aspects (e.g. land ownership/tenure).
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**Thank you for your  
attention!**

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