

Second Regional Training Course on Sampling Methods for  
Producing Core Data Items for Agricultural and Rural Statistics

**Module 5: Sampling Methods for Livestock Surveys**  
**Session 5.1: Livestock Surveys- Basic concepts**

9 – 20 November 2015,  
Jakarta, Indonesia



## Our common language

\* **Livestock:** all animals kept or reared mainly for agricultural purposes.

Varies by country

- \* *Cattles, Sheep, Goat, Poultry....* may be universal!
- \* How about *Pig, Mink, Horse, Rabbit?*

## Recommended to enumerate at least ..

### ➤ **CATTLE, total**

- A. Calves and young stock under 1 year of age
- B. Young stock, 1 year of age and under 2 years
- C. Cattle, 2 years of age and over
  - a) Females: i) Cows - mainly for milk production; ii) Heifers (including in calf)
  - b) Males - mainly for meat production and for Work and Breeding, separately

### ➤ **BUFFALOES, total**

- A. Buffaloes under 3 years of age
- B. Buffaloes, 3 years of age and over
- Female Buffalo - mainly for milk production

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## Recommended to enumerate at least ..

### ➤ **SHEEP, total**

- A. Lambs under 1 year of age & Sheep, 1 year of age and over Females

### ➤ **SLAUGHTER MALE GOATS, total**

- A. Goats under 1 year of age & 1 year of age and over – Females

### ➤ **PIGS, total**

- A. Young pigs, less than 50 kg
- B. Pigs for breeding, 50 kg and over
- C. Pigs for meat production, 50 kg – 80 kg , 80 kg and over

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## Recommended to enumerate at least ..

- \* **HORSES, total**
  - \* A. Horses for agricultural production or use
  - \* B. Other horses
- \* **CHICKENS (domestic fowl), total**
  - \* A. Chickens for breeding and egg production
  - \* B. Chickens for meat production (slaughter)
  - \* C. Other chickens (multi-purpose mixed stock)
- \* **TURKEYS, total ; DUCKS, total**
- \* **GEESE, total; GUINEA FOWL, total; RABBITS, total;**
- \* **BEEHIVES, total**
- \* **CAMELS total; MULES, total; ASSES, total**

## Sources of data

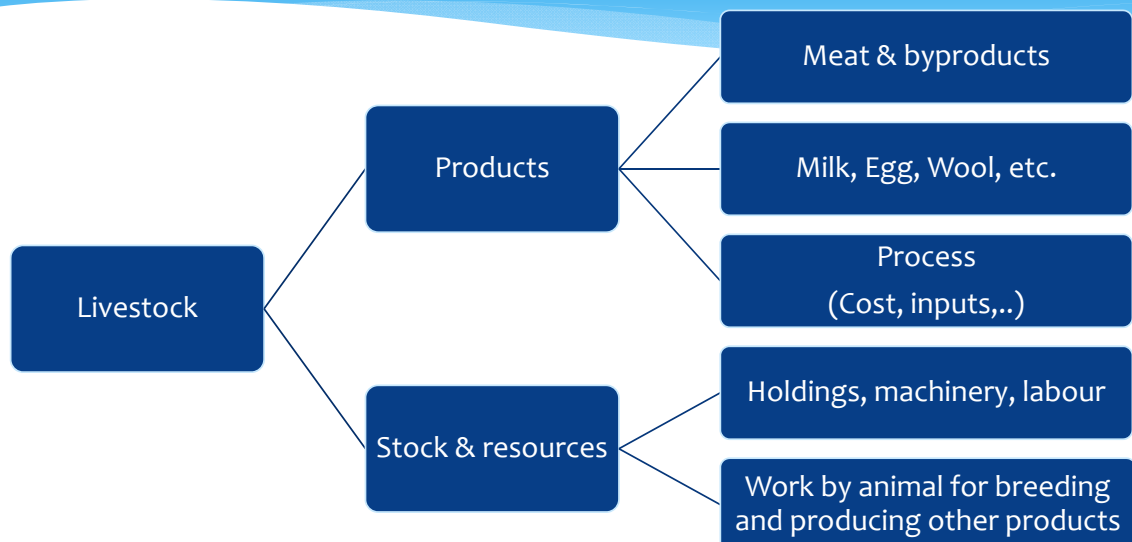
- \* Agriculture census
- \* Livestock census
- \* Livestock/agriculture survey
- \* Research and experimental designs
- \* Administrative source
- \* Household expenditure survey

# Data on livestock and livestock products

## \* Need to understand:

- ✓ Food source (*meat, milk, egg*) for millions of under-nourished
- ✓ Source of employment and income (especially in rural areas)
- ✓ Impact of livestock and its production on environment
- ✓ Animal power supply to small agricultural cultivation
- ✓ Animal as modes of transportation/access to market
- ✓ .....

# Data on livestock



# Statistical units

- ✓ PSUs: geographical divisions (Villages, towns, Enumeration areas,..)
- ✓ Holdings
- ✓ Holders
- ✓ Households
- ✓ Animals

## Group exercise:

Discuss in group and identify possible variables that need to be observed and statistical units to be selected through livestock survey