

**First RAP Regional Workshop on
Building Training Resources for Improving Agricultural and Rural Statistics:
Towards Country-Specific Minimum Set of Core Data**

Theme II
Scope of
Agricultural and Rural Statistics

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UN ESCAP
Statistical Institute for Asia and the Pacific (SIAP)

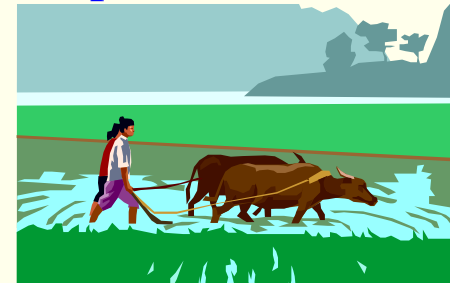
Agricultural Statistics - Scope

Agriculture



A broad definition:

Rearing (growing, taking care and helping propagation) of *domesticated plants and animals*.



Includes:

- Cultivation (of crops, plantation, orchards & cultivated forest)
- Animal husbandry
- Fishery



Agriculture – Standard Definition

- By activity: **ISIC Rev. 4 [p. 59]: Section A**
 - Group 011: cultivation of crops, market gardening, and horticulture.
 - Group 012: “farming of animals,” and
 - Group 013: mixed cultivation & animal farming

This a narrow definition by ‘activity’.

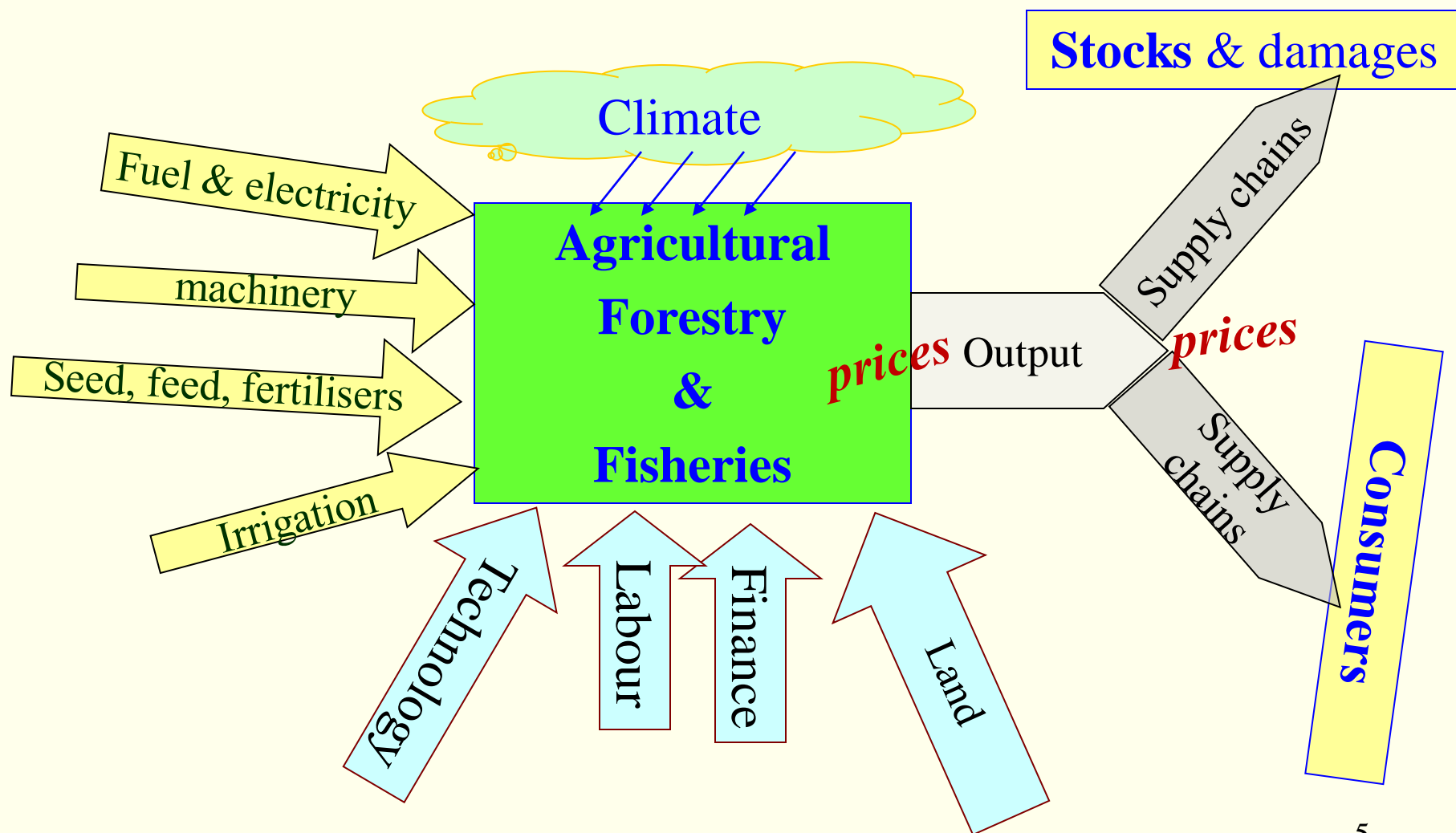
- By commodity: **CPC**

By activity: **broad definition** also includes:

- Agroforestry and aquaculture

Scope – Agricultural Statistics

Food and Agriculture System



Food & Agricultural System

- **Factor Resources:**
 - Land,
 - Labour,
 - Finance (credit) and
 - Technological know how
- **Other resources:**
 - Infrastructure – irrigation, electricity supply, roads, communication etc.,
 - Machinery & livestock

Food & Agricultural System (contd.)

- **Climate**
- **Inputs:**
 - seed,
 - Fertilizers, manure and pesticides & insecticides
 - feed,
 - fuel / electricity
- **Market:**
 - distribution,
 - food supply chain & agro-processing,
 - **prices**
- **Food stocks:** post harvest losses and food wastage

Agricultural Statistics - Scope

- The scope is based on the broader definition and relates to all dimensions of the system
- All kinds of quantitative information on these dimensions of the system fall within the scope
- It also includes characteristics of the units engaged in agricultural activities – **structure of agriculture.**

Constituents of Agriculture Statistics

- **Structure of agriculture:** Census (at least decadal)
- **Production & consumption:** Current surveys (annual or seasonal)
- **Cost of cultivation:** use of inputs, agricultural labour wage rates
- **Agro-processing**
- **Market Information**
 - **Prices:** farm gate, wholesale, retail, indices, border
 - Market arrivals, quantities transacted, international trade

Constituents of Agriculture Statistics

- Land use and use of other natural resources
- Infrastructure
- Finance – rural / agricultural credit
- Technology and stock of resources: agricultural machinery and equipments
- Analytical / derived statistics:
 - Food balance sheets and food accounting matrices
 - Number of under-nourished & other Development indicators
- Climate:

Scope of Rural Statistics

Role of agriculture and rural sector



- Resource function:
 - Provider of food, fodder, fiber (primary)
- Raw material for industry (secondary)
- Market for secondary and tertiary products
- Rural livelihood
- Rural infrastructure
- Environmental protection
 - two way relationship



Rural Statistics

The coverage of 'rural statistics' in this context relates to level of living and living conditions of the rural population.

It includes statistics on rural population:

- Demographic
- Income and employment
- Level of living, including
 - Consumption level
 - Educational & health status and
 - Housing and dwelling conditions
- Rural infra-structure

Thanks