

CURRENT STATUS OF AGRICULTURAL MARKET INFORMATION SYSTEM IN INDONESIA



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Outline

- **Introduction**
- **Organization of agricultural data and information**
- **Availability and sources of market information**
- **Dissemination and utilization**
- **The needs to strengthen agricultural market information system**
- **Concluding remarks**

Introduction

Role of Agriculture:

- **Food Security**
- **Source of income and employment**
- **Contribution to GDP**
- **Foreign exchange earning**

Introduction *(cont'd)*

Four priority areas:

- self sufficiency;
- food diversification;
- value added, competitiveness and export;
- farmers' welfare

Introduction *(cont'd)*

Seven strategic policies:

- land expansion and utilization;
- seed production and utilization;
- infrastructures development and maintenance;
- human resource development;
- agricultural financing;
- development of farmers' organization;
- development of technology and downstream industry

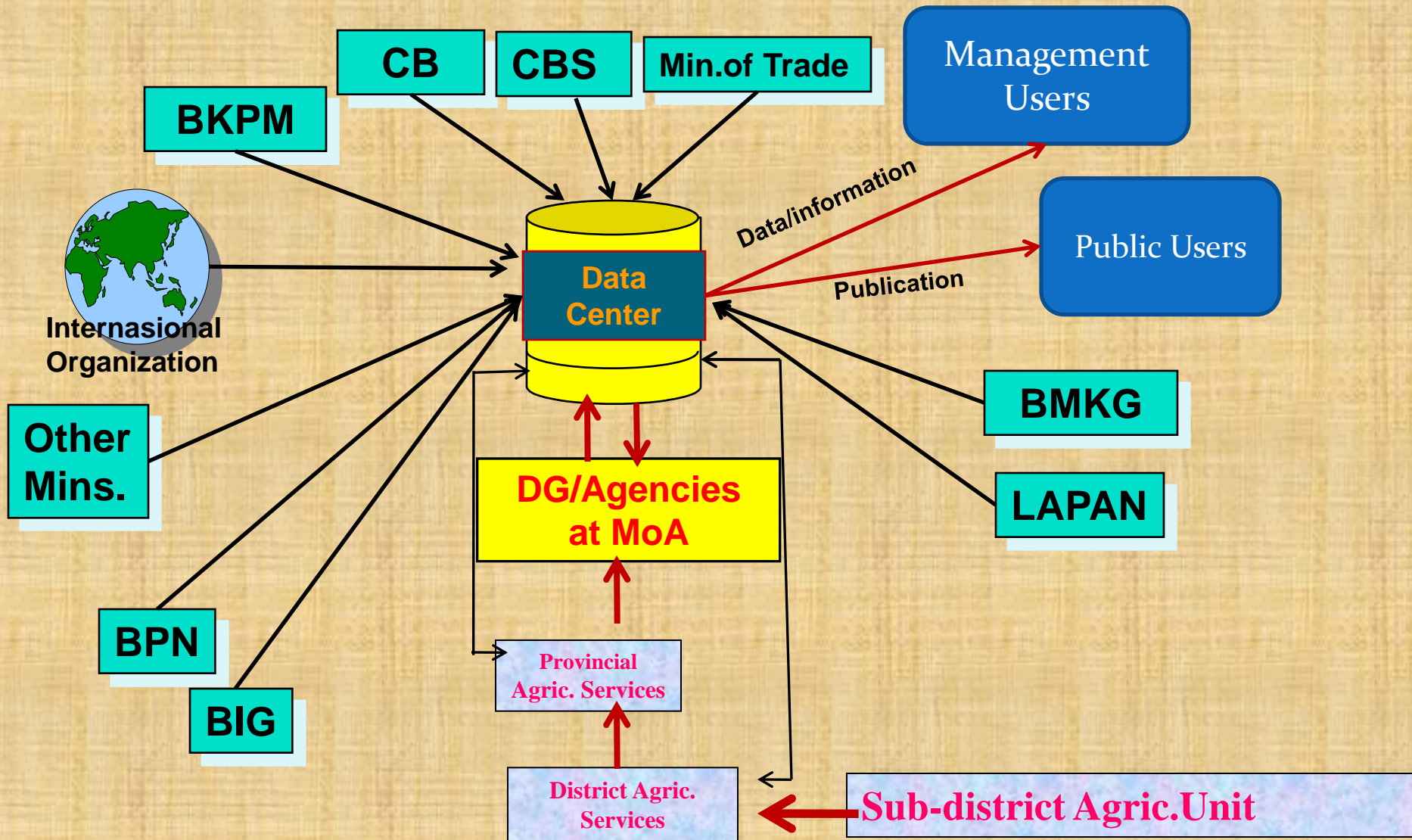
=> **Require strong data and information support**

Organization of Agricultural Data and Information

Coordinating Unit

- **Center for Agricultural Data and Information System (CADI), Ministry of Agriculture**
- **Link to data units at all DGs within MoA and Agriculture Service at the Provinces and Districts**
- **Also link to other Ministries/Agencies: CBS, MoT, Central Bank, Land Agency (BPN), Meteorology&Climatology (BMKG), Space and Aeronotics (LAPAN)**

Organization of Agricultural Data and Information (cont'd)



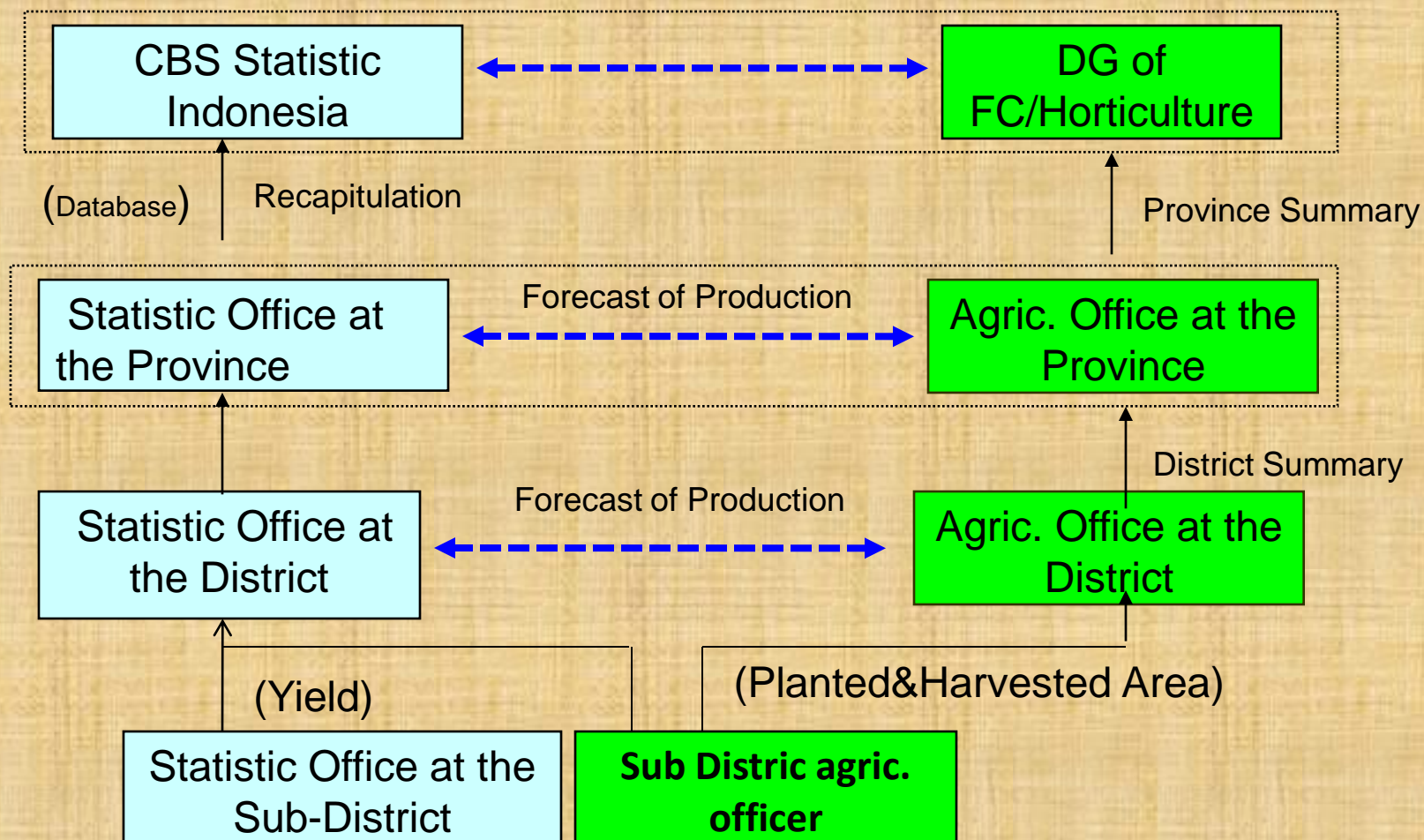


Availability and Sources of Market Information

a. Production

Sub-Sector/ Commodities	Sources	Method of data collection	Frequency	Region Coverage
Food Crops : Paddy, maize, soybeans, nuts, mungbean, cassava, sweet potato	CBS Directorate General of Food Crops	Area : report from sub-district Yield : Crop cutting samples	Sub-round (4 months) and annual	National and Provinces
Horticulture: Chili, onion, potato, carrot, banana, orange,	CBS Directorate General of Horticulture	Report from sub district units	Annual	National and Provinces
Estate Crops: Palm oil, rubber, coconut, cocoa, etc	Directorate General of Estate Crops	Reporting from sub-district units	Annual	National and Provinces
Livestock: • Number of heads • Production	Directorate General of Livestock and Animal Health	Reporting from sub district	Annual	National and Provinces

Flow of Food Crops and Horticulture Data



b. Consumption/Utilization

Commodities	Source	Method of data collection	Frequency	Region Coverage
<p>Rice, Maize, cassava, sweet potatoes, peanuts, soybeans, potatoes, tomato, chilies, onion, garlic, cabbage, spinach, cucumber, squash, mushroom, orange, mango, apple, avocado, lanzon, durian, zalacca, pineapple, banana, papaya. Watermelon, jack fruit, coconut, cane sugar, tea, coffee, cocoa, beef, buffalo meat, lamb, pork, broiler meat, local chicken meat, egg , milk, etc</p>	<p>CBS Statistics Indonesia</p>	<p>1.The National Socio-Economic Survey (Panel Survey), by direct interview to the household. 2.The reference period is one week prior to enumeration date.</p>	<p>Annual</p>	<p>National and Provinces</p>

c. Trade (Export and Import)

Sub-Sector/ Commodities	Source	Method of data collection	Frequency	Region Coverage
Almost all of agricultural commodities	CBS- Statistics Indonesia	Report from the Custom Offices : 1.Export Statistics are compiled based on the PEB document (export notification of goods) 2.Import Statistics are compiled based on the PIB document. 3. Classification based on Harmonized System (HS) for tariff purpose.	Monthly and Annual	National

d. Prices

Commodities	Sources	Method of data collection	Frequency	Region Coverage
<p>Producer Price: 68 Commodities Paddy, corn, soybean, mungbean, peanuts, cassava..etc</p> <p>Consumer Price : 232 Commodities</p>	CBS	<p>1.Two stage sample (district and sub-district of production center), by interview .</p> <p>2.Producers Price : Sample of 3-4 farmers/sub-district .</p> <p>3. Consumers Price : Sample of the market sites in the sub-district and sample of 3-4 traders/sub-district</p>	Monthly	Province and National
<p>Consumer price : Rice, corn, soybean, mungbean, peanuts, cassava, sugar, frying oil, broiler meat, beef, broiler egg, chili and onion.</p>	Ministry of Trade	<p>1.Report from enumerator at major markets in the province.</p> <p>2.Sent by e-mail or fax to the Ministry of Trade.</p>	Daily-Monthly	National and Province

e. Food Balance Sheet

Sub-Sector/ Commodities	Source	Method	Frequency	Region Coverage
Cereals (rice, corn etc), tubers, vegetable oils (soybeans, peanut etc), vegetables, fruits, sugar, meat, milk, egg, oil and fat, fish. etc	Ministry of Agriculture , CBS, Bulog	Accounting *	Annual, monthly (rice only)	National and Province

Food Availability :

$$FA = O - (S) + I - X - (F+S+M+W)$$

Note : FA = Food Availability

O = Production

S = Changes in Stock (closing–opening stock)

I = Import

M = Manufactured (Food and Non-Food)

X = Export

W = Waste

F = Feed

S = Seed

Dissemination and utilization

Electronic Publication

- **Web site of the Ministry of Agriculture**
- **Agricultural statistics database**

Printed publication

- **Crops statistics**
- **Other statistics**

Utilization For Policy Purposes

- **Managed market economy**
- **Production estimate on Food Crops is used as instrument to monitor the achievement of production targets => adjust necessary efforts**
- **Annual estimates of food balance sheets on rice, sugar, and beef => foundation to decide the quantity of import**
- **Monthly estimates of food balance sheet on rice, sugar, beef and other essential food => basic information to anticipate food logistic issues during major holiday seasons**

Limitations/Constraints on Agricultural Market Information System

1. Lack of reliable data source for **stock**
2. Data reliability, particularly **planted area**
3. Low percentage of data reporting from the provinces and districts work units
4. Low capacity of officers in charge, on both technical and management aspects
5. Coordination and synchronization of data from different sources

The Needs to Strengthen Agricultural Market Information System

- 1. Capacity building on methods of data collection, management, and analysis**
- 2. Improve coordination among work units in the central, provinces, and districts**
- 3. Build better infrastructures**
- 4. Expand networking with other countries, regional, and international organization**

Concluding Remarks

- **To develop evidence-based policy framework, we need accurate, timely and reliable data and information**
- **Continuous improvement of Data Center within MoA is needed to better collect, manage, analyze and disseminate market data and information**
- **Require capacity building program by the government in collaboration with international partners**



Thank You