

AGRICULTURAL STATISTICS SYSTEM IN INDONESIA



**Center For Agriculture Data and Information Systems,
Ministry Of Agriculture
Indonesia**

OUTLINE

- ▣ Introduction
- ▣ Organization Of The Agricultural Statistics System
- ▣ Main Output
- ▣ Resources
- ▣ Metodology
- ▣ Desimination of Agricultural Statistics

A scenic landscape photograph of terraced rice fields. The fields are carved into the hillsides, creating a series of curved, stepped platforms. Some fields are filled with water, reflecting the sky, while others are green with rice plants. In the background, more hills are visible, shrouded in a light mist or fog. The overall atmosphere is peaceful and rural. The word "INTRODUCTION" is superimposed in the center of the image in a large, bold, blue font with a slight shadow effect.

INTRODUCTION

INDONESIA IN THE WORLD MAP





THE FIVE LARGES ISLANDS OF INDONESIA

1. Sumatera $473,606 \text{ km}^2 = 47.36 \text{ million ha}$
2. Java $132,107 \text{ km}^2 = 13,21 \text{ million ha}$
3. Kalimantan $539,460 \text{ Km}^2 = 53,95 \text{ million ha}$
4. Sulawesi $189,216 \text{ km}^2 = 18,92 \text{ million ha}$
5. Papua $421,981 \text{ km}^2 = 42.20 \text{ million ha}$

INDONESIA

Area : Land 1.9 millions Sq. Km; Sea 8 millions Sq. Km (including EEZ)

Population : 252, 434 Millions (2014)
50.21% live at rural area

Location : $6^{\circ} 08^1$ North - 11° South
 $94^{\circ} 45^1$ - 141° longitude

Dry Season : April - September
Wet Season : October - March.

INDONESIA ECONOMY 2013

Total GDP : 8,241 Million Rupiah

Share of Agric : 14.44%

Agric Households : 26.1 million (2013)

Total Employment : 118 million

Agric. Employment : 35.09%

Agriculture Export : US \$ 33,690 million

Agriculture Import : US \$ 15,337 million



ORGANIZATION OF AGRICULTURAL STATISTICS SYSTEM

Legal Frame Work

1. Act No : 16/1997 : Statistics System in Indonesia
2. Act No : 14/2008 for *Public Information Openness*
3. Government Regulation (PP) 51/1999 : Implementation of Statistics System
 - NSO (BPS-Statistics Indonesia) as the coordinator of the implementation of statistics.
 - Basic Statistics was organized by NSO
 - Sectoral Statistics, responsibility of each sector or in cooperation with NSO
4. Act No : 32/2004 : Regional Autonomy
 - NSO as the coordinator of the implementation of statistics

Over View of the Statistical System

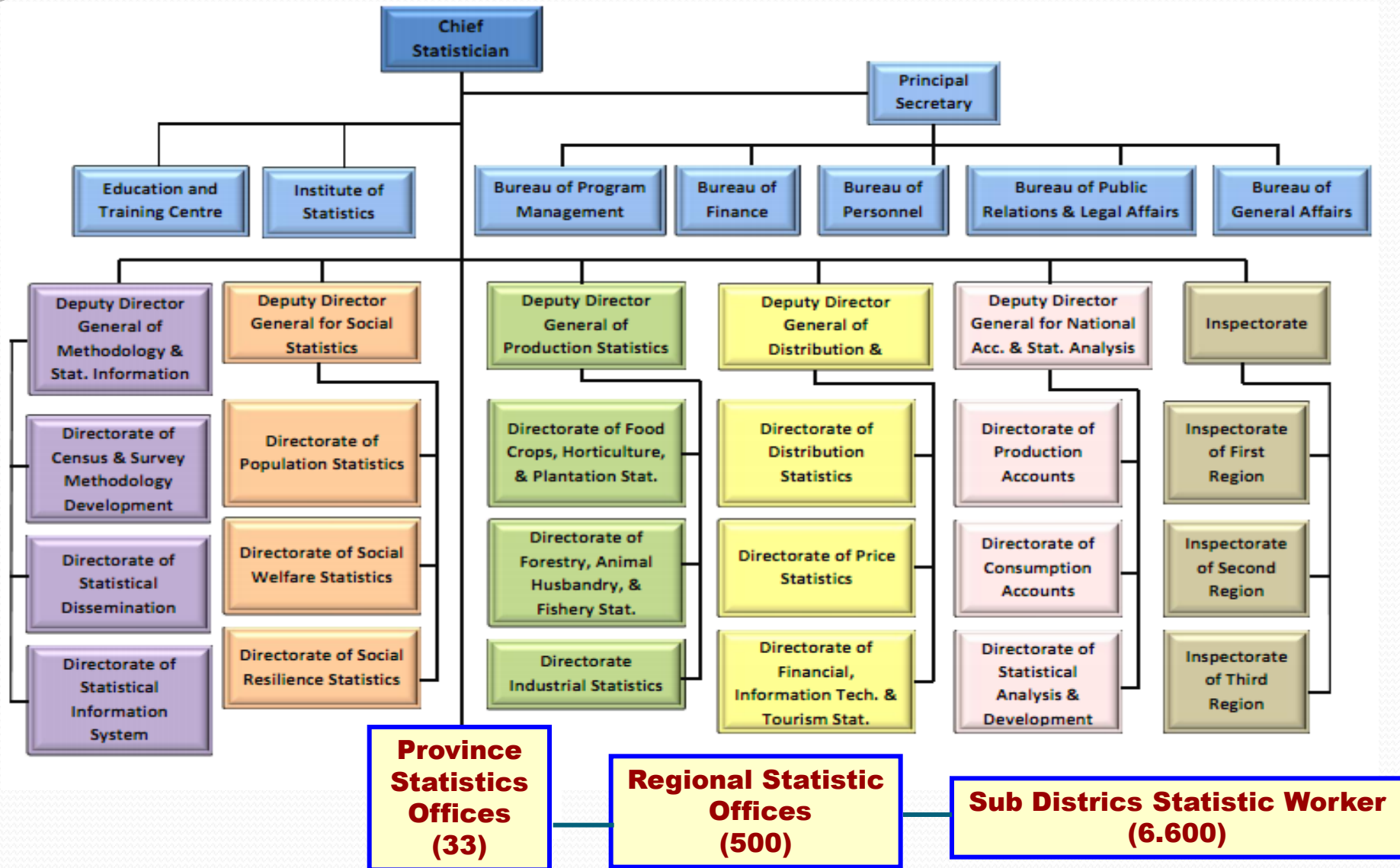
- **The Statistics Law, Act No. 16, 1997 provides the legal basis for statistical activities in Indonesia and mentions the BPS-Statistics Indonesia (BPS) as the executive agency for statistical activities.**
- **The Act also mandates BPS to assist all ministries including Ministry of Agriculture (MoA), Ministry of Marine Affairs and Fisheries, and Ministry of Forestry in conducting their sectoral statistics, and ministries are empowered to collect and compile their sectors for monitoring and evaluating their policies programs.**
- **Base on Act No 22, 1999, MoA could not directly manage its data collection from the district/municipality. Therefore, BPS, the MoA, and the autonomous local government authorities have made an agreement in providing sustainable agriculture data, especially food crops and horticulture crops.**

Over View of the Statistical System

- **The local government must continually collect data of planted and harvested areas for food crops and horticulture crops. Also the local government's staffs have to work together with BPS' staffs in sub district to collect a crop cutting survey for estimating productivity of food crops. Production and harvested areas of horticulture crops have to be collected by the local government.**
- **BPS is responsible to process and disseminate data food crops and horticulture crops.**
- **BPS conducts a press release every four months to disseminate the food crops estimates and every year for special horticulture crops, i.e. red chili and shallot.**
- **BPS collects data of estate crops from all establishments with legal entity by mailing system. The filled questionnaires should be returned monthly to BPS. BPS also collect more detail annually by interviewing them. This method is also used for collecting establishment with legal entity for horticulture crops, livestock, and fishery.**

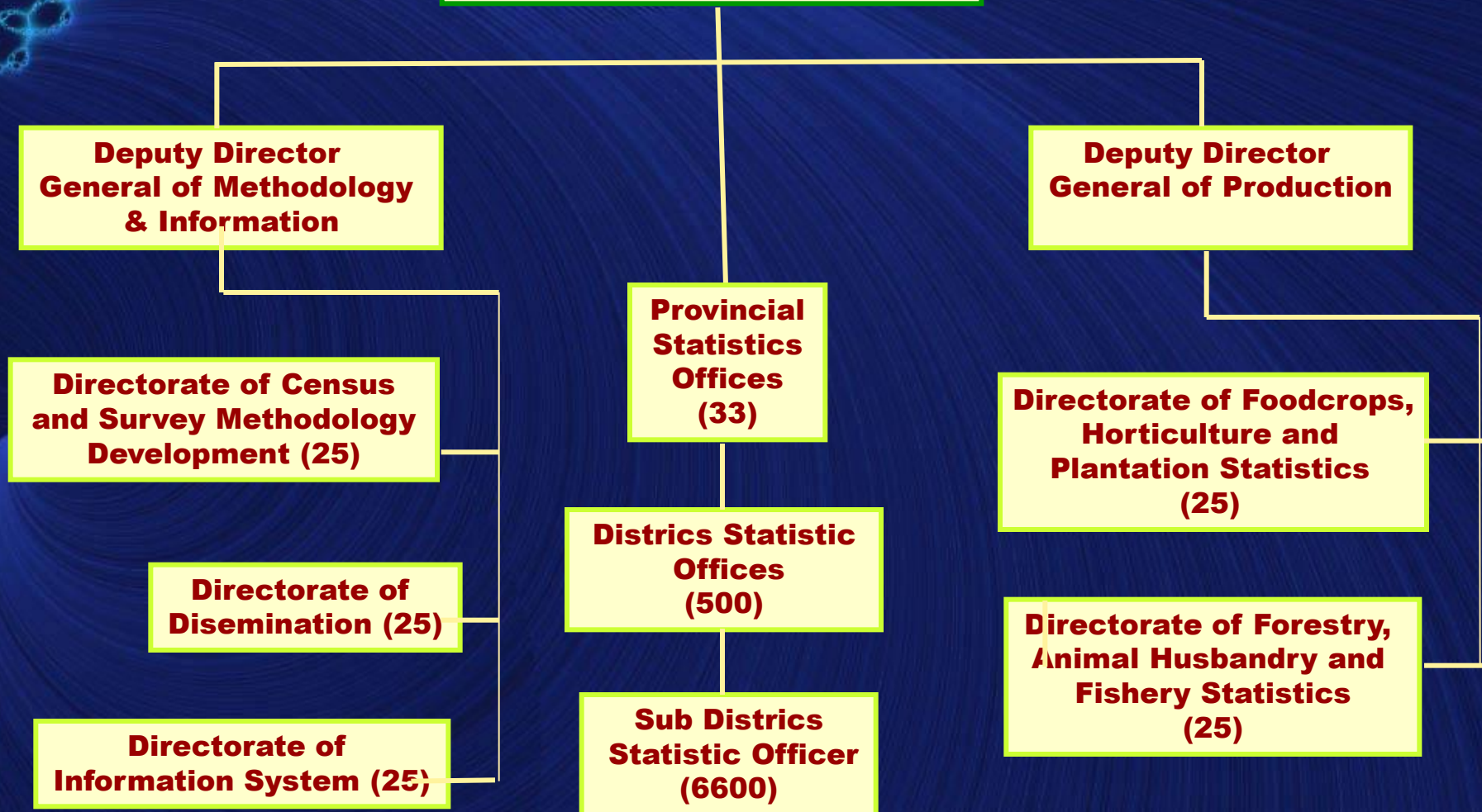
Institutional Set Up

Organization Of NSO-Indonesia

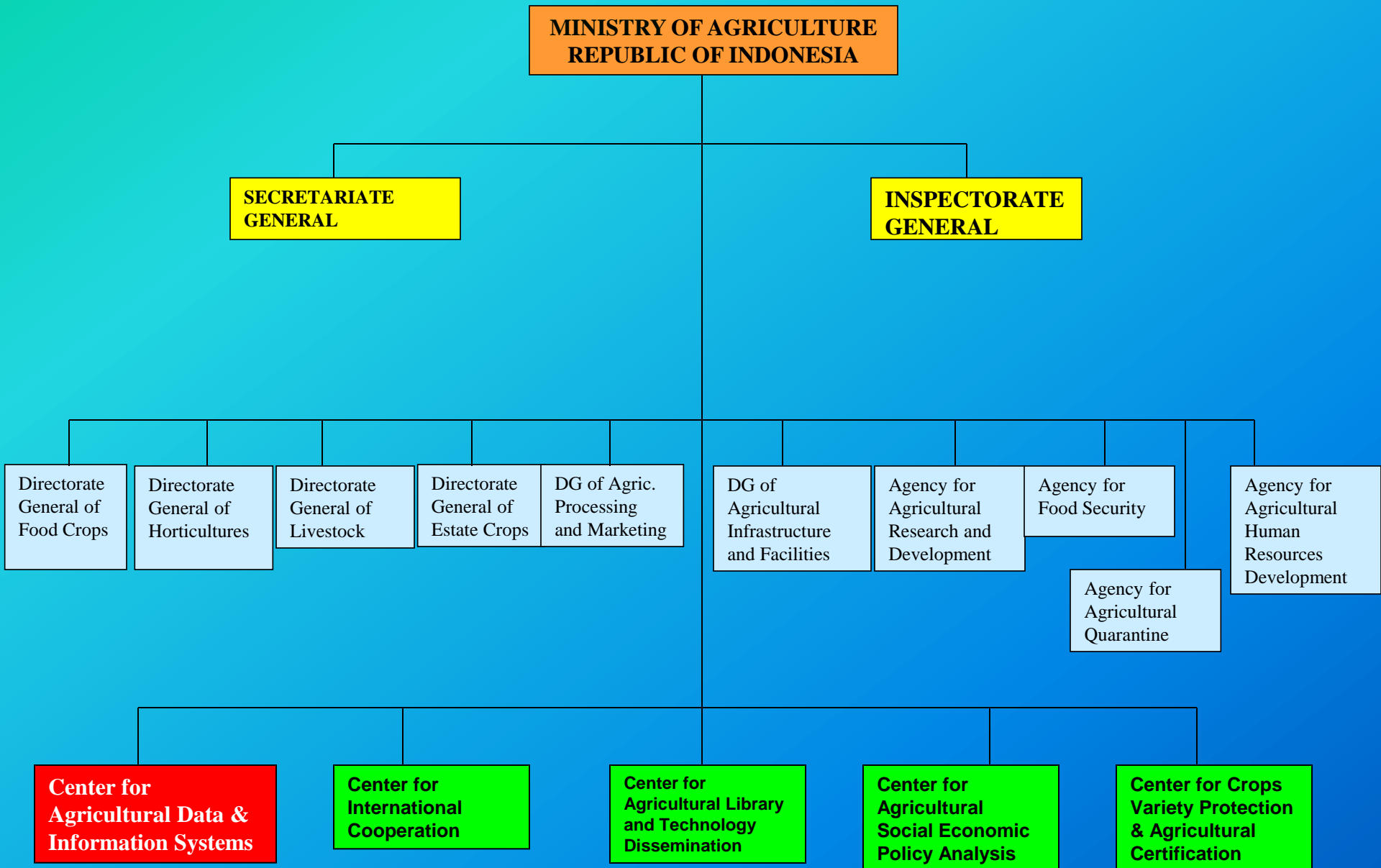


Organization Of NSO-Indonesia (Agricultural Related)

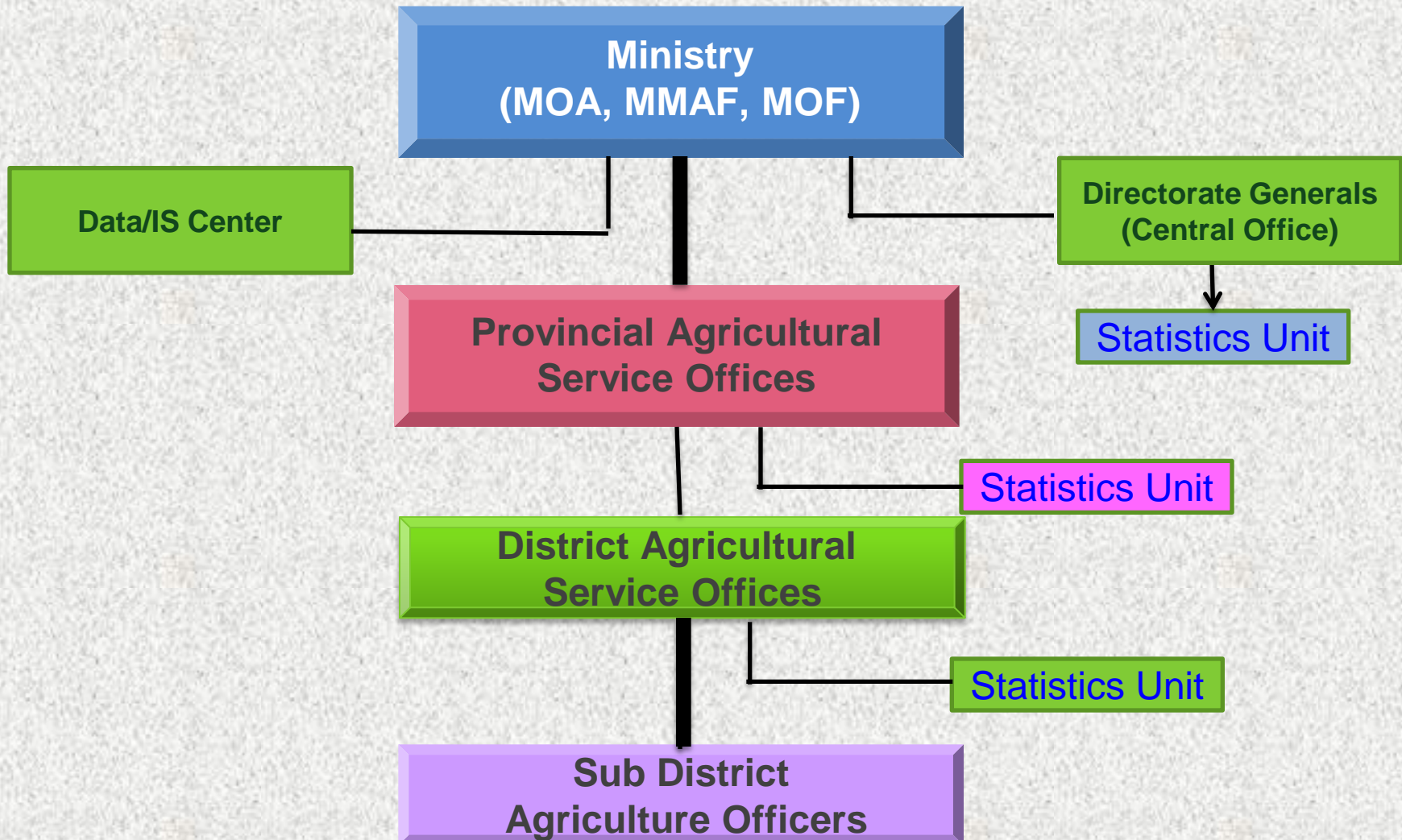
DIRECTOR GENERAL



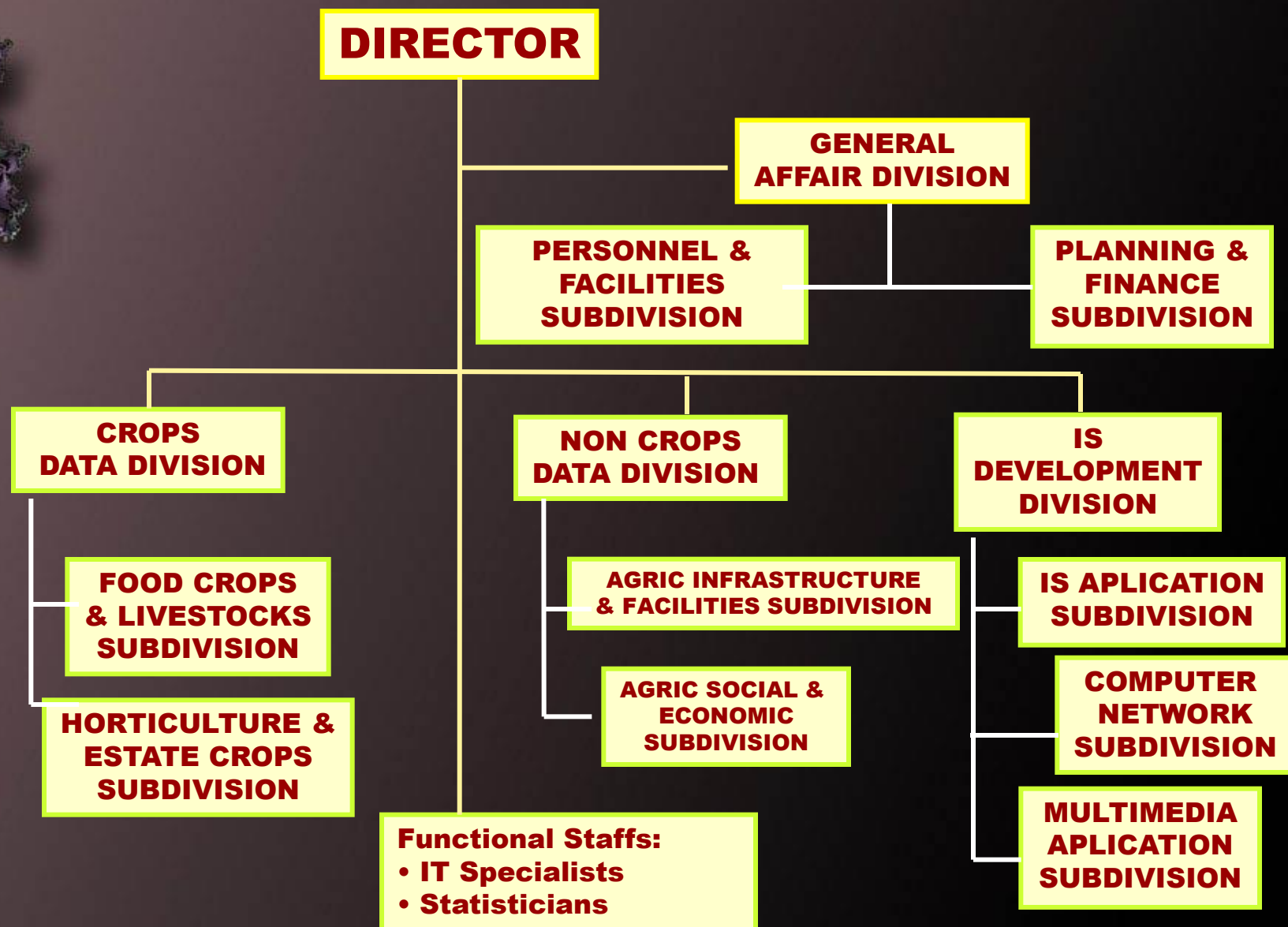
Moa Organization Structure



Organization of Agricultural Statistic at Ministerial Level



CENTER FOR AGRICULTURAL DATA AND INFORMATION SYSTEMS (CADIS)



Integration and Coordination of Agricultural Statistics

1. NSO

- Census
- Surveys

2. MINISTRIES

- Surveys
- Administrative Reports

3. LOCAL AGRICULTURAL SERVICE OFFICES

- Surveys
- Administrative Reports

Agricultural Statistics System In Indonesia

**CENSUS
ONCE EVERY
TEN YEARS**

1. Census of Population (in the year ending 0 (zero))

2. Census of Agriculture (in the year ending 3)

Agriculture Statistics

Fisheries Statistics

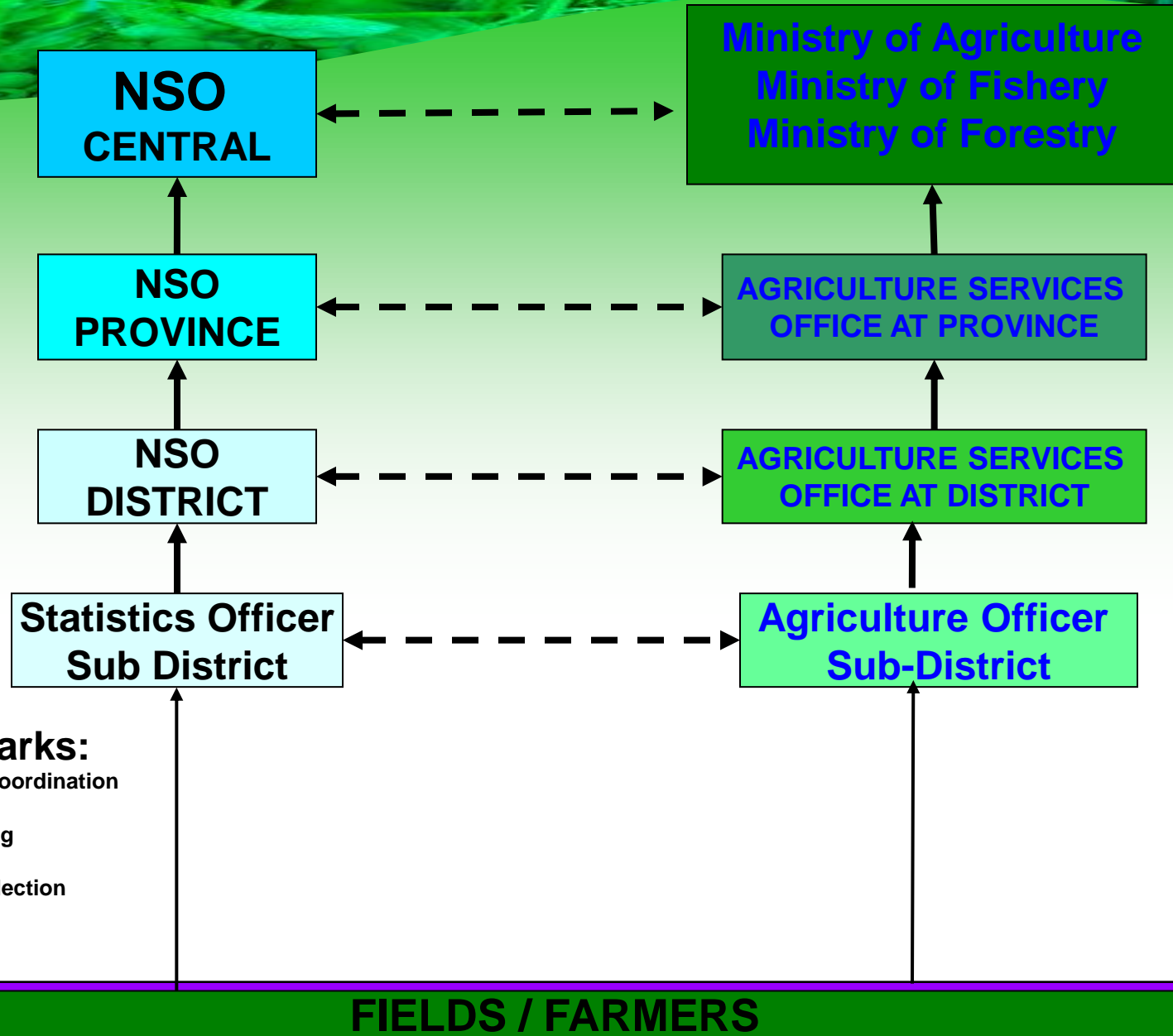
Forestry Statistics

3. Census of Economy (in the year ending 6)

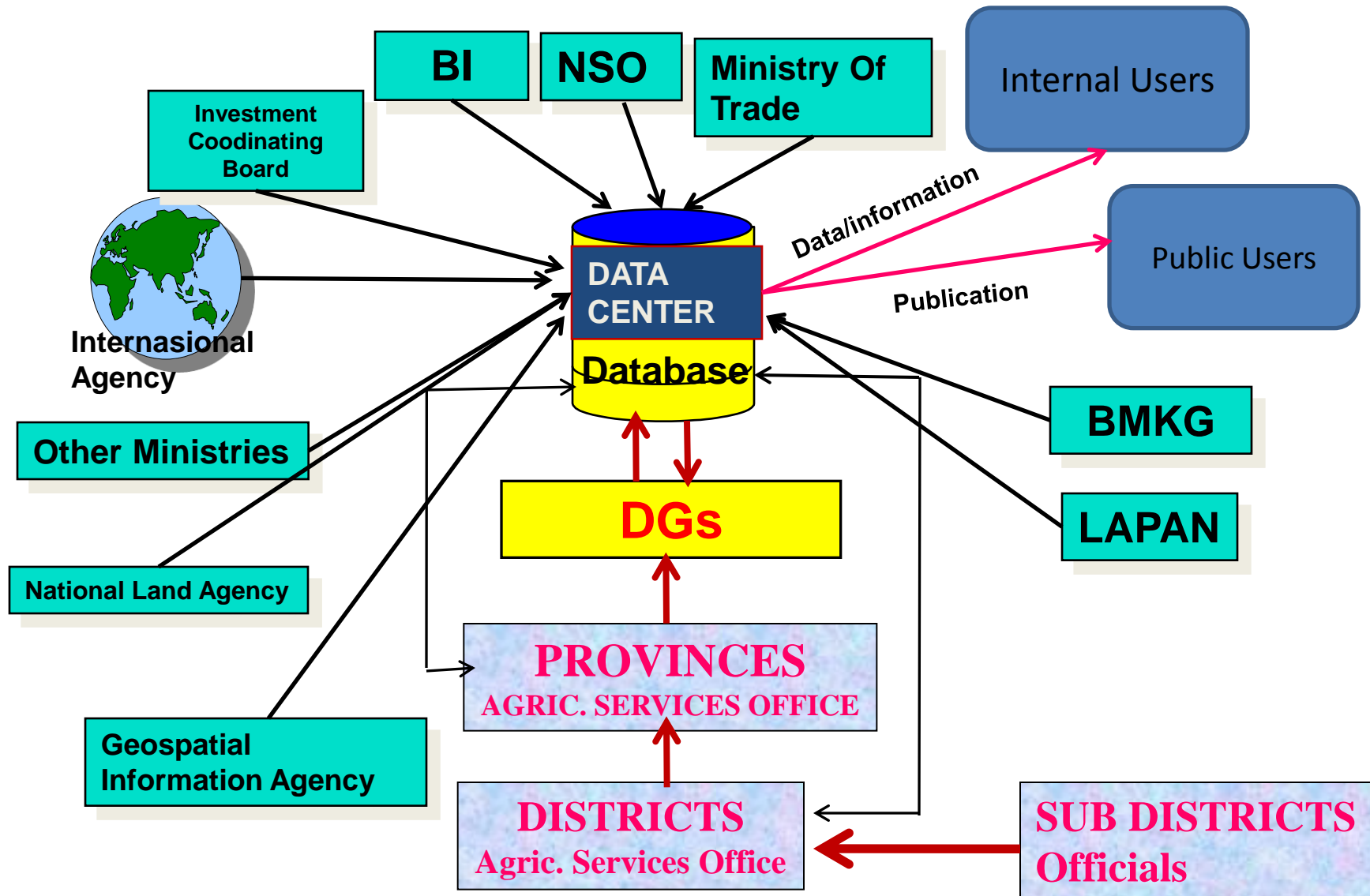
- Identify the population of economic activities
- update the directory
- Create a map of economic activities distributions

- **Agriculture Household**
- **Agriculture Establishment**
- **Characteristics of Agriculture Activities**

Coordination of Agricultural Statistics



Data and Information Network at Ministerial Level





MAIN OUTPUT OF AGRICULTURAL STATISTICS SYSTEM

Agricultural Data Classification

▣ **Upstream/Input Data:**

Machineries, Fertilizer, Pesticide, Seed, Natural Resources and Capital Resources

▣ **On-farm/Production Data:**

- Food crops
- Horticulture
- Livestocks
- Estate crops
- Forestry
- Fisheries

▣ **Down-stream Data :**

- Processing, Trading, GNP, Farmer's Term of Trade, Investment

▣ **Supporting Data:**

- Human resources
- Technology resources

Detail Output of The Agricultural Statistics

No	Indicator	Responsible Agency	Level	Most Recent Data	Source of data
I	Agricultural Input				
	Agricultural land	National Land Agency	Regional	2010	Administratif
	Land Use	NSO	Regional	2010	Administratif
	Fertilizer	MOA	National	2012	Administratif
	Pesticides	MOA	National	2012	Administratif
	Machinery	MOA	National	2012	Administratif
	Agricultural Credit	MOA	National	2012	Administratif
	Seeds	MOA	National	2012	Administratif
	Breeds	MOA	National	2012	Administratif
II	On Farm				
	Harvested Areas	MOA	Province	2013	Administratif
	Yield	MOA	Province	2013	Survey
	Production	MOA	Province	2013	Counting
	Fishery Product	Ministry of Fishery	Province	2012	Administratif
	Forestry Product	Ministry of Forestry	National	2012	Administratif
III	Consumtion				
	Agricultural Consumption	NSO	National	2012	Survey
IV	Trade				
	Export and Import	NSO	nasional	2013	Administratif
	Producer and Wholesale Prices	MOA	Regional	2013	Administratif
	Market Prices	Ministry of Trade	Regional	2013	Administratif
V	Other Indicator				
	Pests and diseases	MOA	Province	2013	Administratif
	Climate	BMKG	National	2012	Administratif
	Number of Household	NSO	Province	2013	Census
	Agricultural Employment	NSO	Province	2013	Survey
	Poverty in Agriculture	NSO	Province	2013	Survey
	Agricultural Income	NSO	National	2003	Survey
	Agricultural Term of Trade	NSO	National	2013	Counting
	Agricultural GDP	NSO	National	2013	Counting
	Agricultural Cost Structure	NSO	National	2010	Survey



RESOURCES OF THE AGRICULTURAL STATISTICS SYSTEM

A. Human Resources

- **Central Office (± 250 People)**
- **Provincial Office (± 400 People)**
- **District Office (± 6000 People)**
- **Sub-District Official (± 26.400 People)**

B. Financial Resources

- In NSO, Budget for Statistics was prepared centralized
- In Ministries and local offices, each institutional unit has their own budget. Ministries prepared the financial guide line.

C. Physical Resources

- Computer is provided for each Statistics Official at Central and Province
- Each district Office has two computers



METHODOLOGY USED IN AGRICULTURAL STATISTICS

1. Census

- Agricultural Census : NSO

2. Survey

- Sampling Frameworks : NSO
- Household Wage Structure : NSO
- Agricultural Commodities Cost Structure : NSO
- Consumption Survey : NSO
- Agriculture Workforce : NSO
- Livestock Parameter Survey : MOA
- Yield Survey : NSO
- Marine Fisheries Survey and Aquaculture Survey : MMAF

3. Administrative Reports

- Planted Area : MOA
- Harvested Area : MOA
- Agricultural Input : MOA
- Livestock Population : MOA
- Forestry Production : MF
- Price : MOA, MOT
- Ekspor – Impor : CUSTOM

International Clasification Adopted

- **ISIC (International Standard Industrial Classification)**
- **CPS (Central Product Classification)**
- **HS (Harmonized System Classification)**



DISSEMINATION OF AGRICULTURAL STATISTICS

Agricultural Statistical Publication



NSO Agriculture Statistics Publications

Name

Frequency

- Land Area by Utilization yearly
- Agriculture Indicators yearly
- Production of Food Crops yearly
- Statistics of Annual Fruits and Vegetables Plants yearly
- Statistics of Seasonal Fruits and Vegetables Plants yearly
- Statistics of Ornamental Plants yearly
- Statistics of Medical Plants yearly
- Statistics of Horticulture Establishment yearly

NSO Agriculture Statistics Publications

Name	Frequency
• Indonesian Oil Palm Statistics	yearly
• Indonesian Rubber Statistics	yearly
• Indonesian Tea Statistics	yearly
• Indonesian Sugar Cane Statistics	yearly
• Directory of Oil Palm Plantation Establishment	yearly
• Directory of Rubber Plantation Establishment	yearly

MOA Statistics Publications

A. Methodologies for crops data collection:

- Methodology for Foodcrops data collection
- Methodology for Horticulture data collection
- Methodology for Estate crops data collection
- Methodology for Livestocks data collection

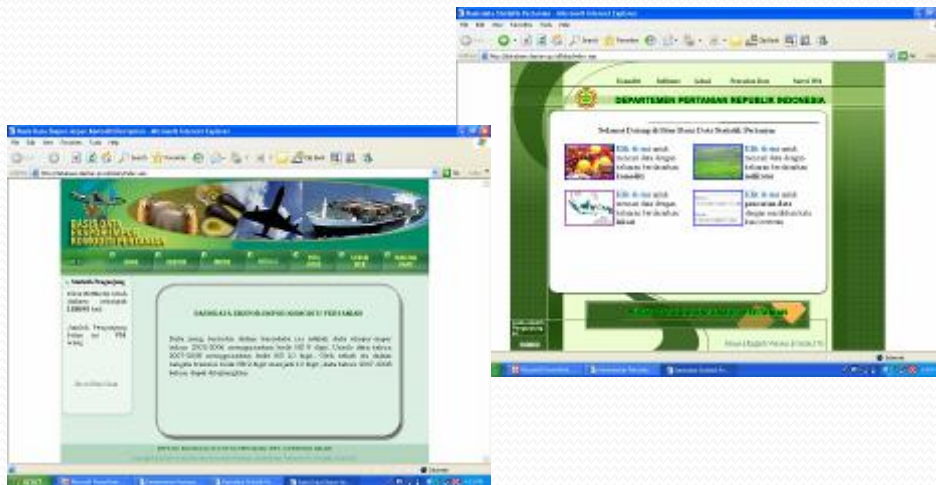
B. Methodology for non crop data collection:

- Methodology for farmer welfare survey
- Methodology for stock and consumption survey
- Methodology for paddy field mapping by GPS
- Methodology for Paddy field Mapping by using satellite imagery



C. Statistical Publications and database for agricultural commodities (Foodcrops, Horticulture, Estate Crops, and Livestock)

- Agricultural Statistics, yearly
- Foodcrops commodities Outlook, yearly
- Horticulture commodities Outlook, yearly
- Estate crops commodities Outlook, yearly
- Livestock commodities Outlook, yearly



D. Statistical Publications and databases for agricultural infrastructure and social-economics

- Agricultural macro-economic Indicators, yearly
- Bulletine of agricultural Gross Domestic Product(quarterly)
- Bulletine of agric. export/import (monthly)
- Bulletine of agric. commodities price (monthly)
- Bulletine of internasional price (semesterly)
- Agricultural macro-economic indicators Pocket Book (Quarterly)
- Analysis of agricultural trade performance
- Analisis Farmers Welfare
- Paddy Field Base Map (Java)



PUBLICATION OF MARINE FISHERIES STATISTICS

DETAILS	THE TYPE OF DATA COLLECTED	DATA COLLECTION
ECONOMY UNITS	Households or establishments capture fisheries according to the size of the business categories	Annual
INPUT	<ul style="list-style-type: none"> • Fishing vessels by type and size • Fishing units by type of equipment and vessel size • Fishing trips by type of equipment and vessel size 	<ul style="list-style-type: none"> • Annual • Annual • Quarterly
OUTPUT	<ul style="list-style-type: none"> • Production by type of fishing gear and fish species • Production values by type of fishing gear and fish species • <u>Production by type of fishing gear of fish seed and fish species</u> • <u>Value of fish seed production by type of equipment catching fish fry fish</u> 	Quarterly

PUBLICATION OF AQUACULTURE STATISTICS

DETAILS	THE TYPE OF DATA COLLECTED	DATA COLLECTION
ECONOMY UNITS	Households or establishments aquaculture use form SB-2a (broodstock) and form SB-H1 (ornamental fish data) → area of aquaculture (wide effort)	Annual
INPUT	<ul style="list-style-type: none"> • Means of production • Production • Value of production 	Quarterly
OUTPUT	<ul style="list-style-type: none"> • Estimation production by type of aquaculture • Values of production by type of aquaculture • Estimation production by fish species • Value of production by fish species 	Quarterly

Data Dissemination through Website

- BPS-Statistics Indonesia Website : www.bps.go.id
- Ministry of Agriculture's Web Site : www.pertanian.go.id
- Ministry of Marine Affairs and Fisheries: www.kkp.go.id
- Ministry of Forestry : www.dephut.go.id

Beranda

Tentang BPS

Senarai Rencana Terbit

Publikasi BPS

Berita Resmi Statistik

Sosial dan Kependudukan

Gender

Indeks Pembangunan Manusia

Kemiskinan

Kependudukan

Kesehatan

Konsumsi dan Pengeluaran

Pemerintahan

Pendidikan

Perumahan

Politik dan Keamanan

Sosial Budaya

Tenaga Kerja

Ekonomi dan Perdagangan

Pertanian dan Pertambangan

Informasi Publik



Ekonomi Indonesia 2013 tumbuh 5,78%



Berita Resmi Statistik

03 Maret 2014

- ▶ Februari 2014, Harga Grosir Naik 0,48 Persen dibandingkan Bulan Sebelumnya (Hits : 4447)
- ▶ Produksi Padi Tahun 2013 (Angka Sementara) Naik 3,24 Persen (Hits : 4435)
- ▶ NTP Februari 2014 Turun 0,16 Persen Dibandingkan NTP Bulan Sebelumnya (Hits : 4133)
- ▶ Januari 2014, Jumlah Wisman Naik 22,59 Persen Dibanding Tahun Sebelumnya (Hits : 4321)
- ▶ Januari 2014, Ekspor Indonesia Turun 14,63 Persen dan Impor Turun 3,50 Persen (Hits : 4570)
- ▶ Inflasi Februari 2014 Sebesar 0,26 Persen (Hits : 4498)

05 Februari 2014

- ▶ Kondisi Bisnis dan Ekonomi Konsumen Triwulan IV/2013 Meningkat dari Triwulan Sebelumnya (Hits : 4243)
- ▶ Pertumbuhan PDB 2013 Mencapai 5,78 Persen (Hits : 5346)

03 Februari 2014

- ▶ Januari 2014, Harga Grosir Naik 1,81 Persen dibandingkan Bulan Sebelumnya (Hits : 4292)

Website BPS Provinsi

BPS Provinsi



Publikasi BPS



ASEAN Community Progress Monitoring System 2012



Sistem Neraca Nasional 2008



- Laporan Bulanan Data Sosial Ekonomi Maret 2014
- Edisi Sebelumnya
- Booklet Sosial-Ekonomi



Statistik Indonesia 2013

Selengkapnya



Home Profil Program Peta Situs Intranet Kontak

Kementerian Pertanian
ePlanning

SAKIP
Kementerian Pertanian

Pengarusutamaan Gender (PUG)
<http://www.deptan.go.id/pug>

Portal Multimedia Pertanian
<http://multimedia.deptan.go.id>

Kelembagaan Institution

Sekretariat

Inspektorat

Tanaman Pangan

Hortikultura

Peternakan & Kesehatan Hewan

Perkebunan

Penelitian & Pengembangan

Ketahanan Pangan

Prasarana & Sarana

Update » IOMOR : 151/Kpts/KP.330/1/2014 Tentang PEMBERHENTIAN

Berita Utama / Headline News

Sekretariat Jenderal | 21-Mar-2014

Mentan: Hadapi AEC 2015, Pemerintah Dorong Perkuat Daya Saing



Jakarta – Dalam menghadapi ASEAN Economic Community (AEC) 2015, sektor pertanian didorong untuk memperkuat perdagangan intra dan ekstra ASEAN dan daya saing produk. "AEC merupakan tantangan sekaligus peluang" ujar Menteri Pertanian, Suswono dalam sambutannya dalam acara "Gelar Penerapan Teknologi Pengolahan Hasil Pertanian" (19/03/2014).

Berita Utama Lainnya / More Headline

- Mentan: Waspada! Sepak Terjang Pihak Tertentu yang menimbulkan Dampak Hukum (20-Mar-2014)
- Wamentan: (20-Mar-2014)

Kalender Tanam TERPADU
AGRO INOVASI

<http://lpse.deptan.go.id>
LPSE
Kementerian Pertanian

Portal Ekspor Impor

PRIOR NOTICE

e-sipmen
Kementerian Pertanian

Layanan Perijinan Terintegrasi

SMS Center
Kementerian Pertanian
0813 8 303 4444

Cari Data Search



Kementerian Kelautan dan Perikanan Republik Indonesia Ministry of Marine Affairs and Fisheries Republic of Indonesia



Jakarta, Hujan Sedang
 Kamis, 27 Maret 2014
 (Sumber BMKG)



Beranda



Mail@kkp.go.id



English



CARI

INFO AKTUAL

KKP-KPK SEPAKATI CEGAH GRATIFIKASI

2014/03/27 - Kategori : Siaran Pers

SIARAN PERSNo. 36/PDSI/HM.310/III/2014KKP-KPK
 SEPAKATI CEGAH GRATIFIKASI Komitmen
 Kementerian Kelautan dan Perikanan (KKP) untuk
 mewujudkan...

REALISASI KUR PERIKANAN DIATAS RP 800
 MILIAR »

Pemantauan Ekosistem Terumbu Karang
 Stasiun PSDKP Tual »

SI MUTIARA HIJAU DARI KABUPATEN POLEWALI
 MANDAR DAPAT MENINGKATKAN TAR... »

+ index

FOTO KEGIATAN KKP



GALERI FOTO

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MKP, Sharif C. Sutardjo (kanan)
 dan Ketua KPK, Abraham
 Samad (kiri) tandatangani
 Pernyataan Komitmen
 Penerapan Pengendalian
 Gratifikasi di Ballroom GMB
 III-KKP, Kamis (27/3).

LPSE-KKP

Lembaga Pengadaan Secara Elektronik
 Kementerian Kelautan dan Perikanan

a Jl. Jenderal Sudirman Kav. 86 Jakarta Pusat. ... : Saksikan !! tayangan Parodi Beranda "Anti Korupsi" Kementerian Kelautan dan Perikanan di MetroTV pada Hari Jumat, 20 D

BERITA

SIARAN PERS

INFO MEDIA

KILAS STATISTIK KKP

PROFIL & INSTANSI KKP

Link Utama

Link Lainnya

CLOSE



P.U.G Pengarusutamaan Gender Kelautan dan Perikanan
 Kementerian Kelautan dan Perikanan





Kementerian Kehutanan Republik Indonesia

The Ministry of Forestry Republic of Indonesia

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Kalender Hotspot

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Info Terkini

21-03-2014

Pelatihan Tenaga Lapangan (Penyelia Operasional) Badan Layanan Umum Pusat Pembiayaan Pembangunan Hutan

Surat Ketua Panitia Penerimaan Tenaga Lapangan (Penyelia Operasional) BLU Pusat P2H Tahun 2014 no. S.410/P2H-1/2014 tanggal 20 Maret 2014 perihal Pelatihan Tenaga Lapangan (Penyelia Operasional) Badan Layanan Umum Pusat Pembiayaan Pembangunan Hutan.

20-03-2014

Realisasi pelepasan kawasan hutan dan Rekapitulasi persetujuan prinsip pencadangan kawasan hutan Februari 2014

Data Realisasi pelepasan kawasan hutan dan Rekapitulasi persetujuan prinsip pencadangan kawasan hutan Februari 2014.

19-03-2014

TIGA DESA DI KABUPATEN KAPUAS MENERIMA IZIN PENETAPAN AREAL KERJA HUTAN DESA

Menteri Kehutanan Zulkifli Hasan telah menandatangani dan menyerahkan Surat Keputusan (SK) Penetapan Areal Kerja Hutan Desa untuk tiga desa di Kabupaten Kapuas Prov. Kalimantan Tengah dalam acara Pekan Raya Perhutanan Sosial yang berlangsung di Lampung Jumat, 7 Maret 2014 lalu. Berdasarkan hasil verifikasi Kementerian Kehutanan yang dilakukan pada bulan November 2012, luas areal kerja hutan desa yang diberikan dan ditetapkan dalam SK Menteri tersebut masing-masing adalah desa Petak Puti +7.855 ha, Katimpun +3.230 ha, dan Tambak Bajai +9.580 ha.

Email Login

[DATA PERIJINAN](#)

Thank You

TERIMA KASIH

