AGRICULTURAL STATISTICS SYSTEM IN IN INDONESIA



Center For Agriculture Data and Information Systems, Ministry Of Agriculture

Indonesia

OUTLINE

- Introduction
- Organization Of The Agricultural Statistics System
- Data Collection Systems
- Main Output
- Metodology
- Resources
- Desimination of Agricultural Statistics



INDONESIA IN THE WORLD MAP





THE FIVE LARGES ISLANDS OF INDONESIA

1. Sumatera 473,606 km² = 47.36 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 km² = 18,92 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: 60 081 North - 110 South

94⁰45¹ - 141⁰ longitude

Dry Season: April - September

Wét 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



Legal Frame Work

- 1. Act No: 16/1997 : Statistics System in Indonesia
- 2. Act No: 14/2008 for Public Information Opennes
- 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, responsibilty 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

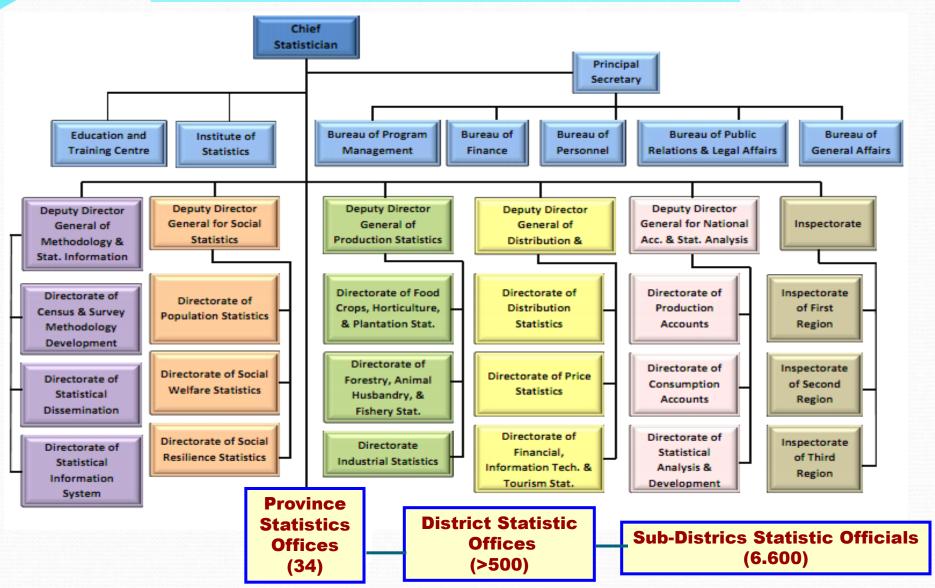
- The Statistics Law, Act No. 16, 1997 provides the legal basis for statistical activities in Indonesia and mentions the BPS-Statistics Indonesia (BPS) as the executing agency for statistical activities.
- The Act also mandates BPS to assist all ministries including Ministry of Agriculture (MoA), Ministry of Marine Affaies 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 publish data of 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)

CHIEF OF STATISTICIAN

Deputy
Methodology
& Information

Directorate of Census and Survey Methodology Development (25)

Directorate of Disemination (25)

Directorate of Information System (25)

Provincial Statistics Offices (33)

Districs Statistic Offices (>500)

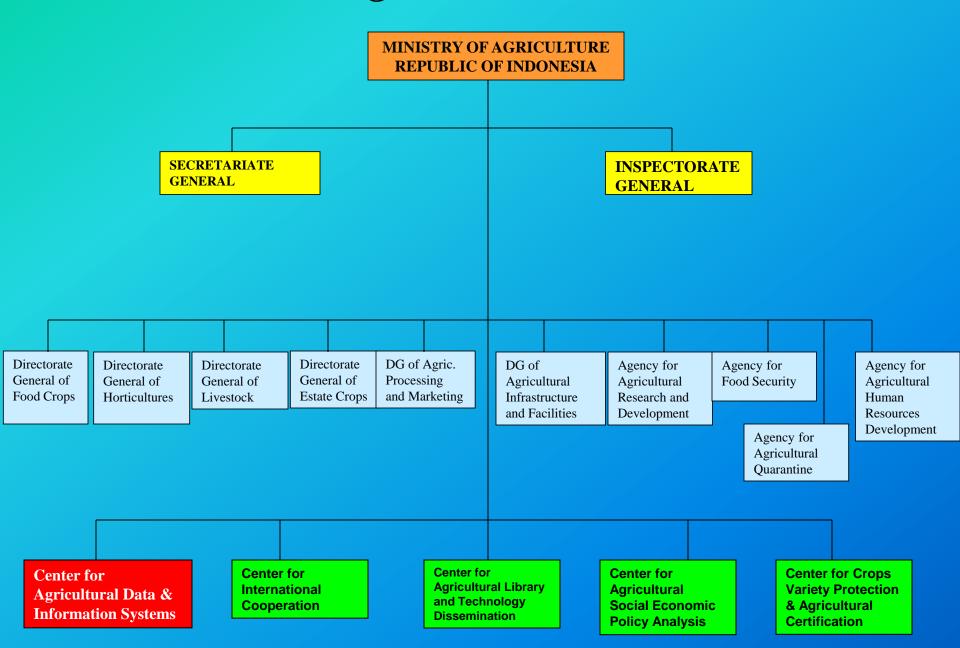
Sub Districs
Statistic Officers
(6600)

Deputy Production

Directorate of Foodcrops, Horticulture and Plantation Statistics (25)

Directorate of Forestry, Animal Husbandry and Fishery Statistics (25)

MOA Organizational Structure



CENTER FOR AGRICULTURAL DATA AND INFORMATION SYSTEMS (CADIS)

DIRECTOR

GENERAL AFFAIR DIVISION

PERSONNEL & FACILITIES SUBDIVISION

PLANNING & FINANCE SUBDIVISION

CROPS STATISTICS DIVISION

FOOD CROPS & LIVESTOCKS SUBDIVISION

HORTICULTURE & ESTATE CROPS SUBDIVISION

NON CROPS
STATISTICS DIVISION

AGRIC INFRASTRUCTURE & FACILITIES SUBDIVISION

AGRIC SOCIAL & ECONOMIC SUBDIVISION

Functional Staffs:

- IT Specialists
- Statisticians

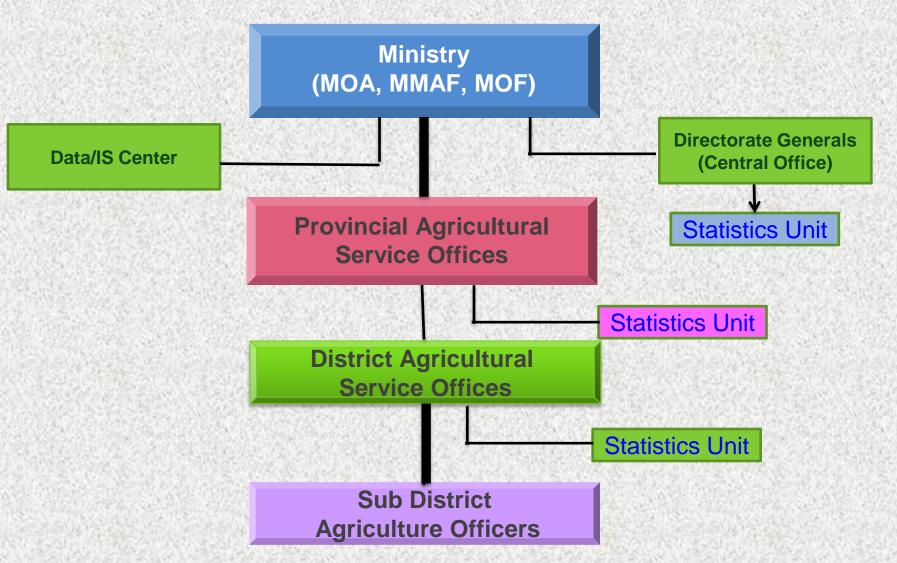
IS
DEVELOPMENT
DIVISION

IS APLICATION SUBDIVISION

COMPUTER NETWORK SUBDIVISION

MULTIMEDIA APLICATION SUBDIVISION

Organization of Agricultural Statistic at Ministrial Level



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



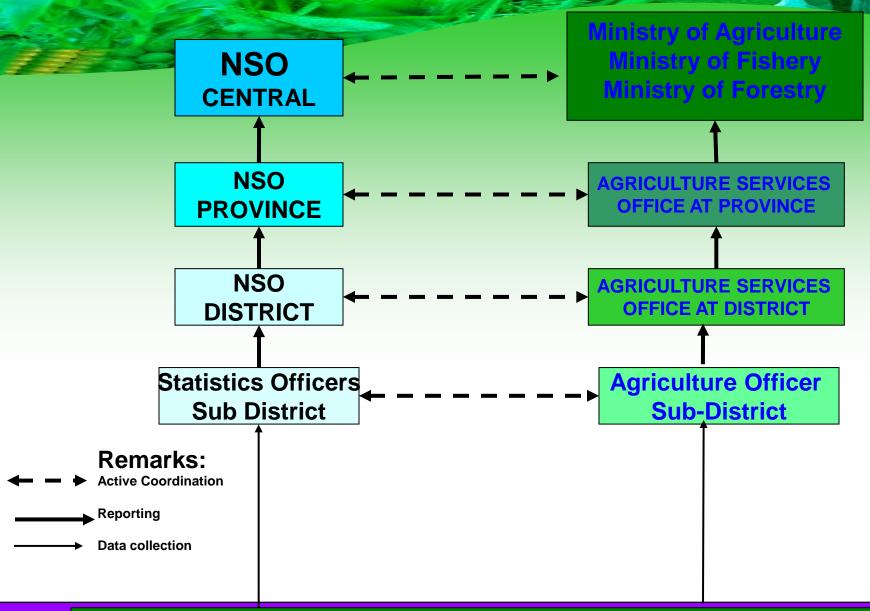
- Identify the population of economic activities
- update the directory
- Create a map of economic activities distributions



- Agriculture Household
- Agriculture Establishment
- Characteristics of Agriculture Activities

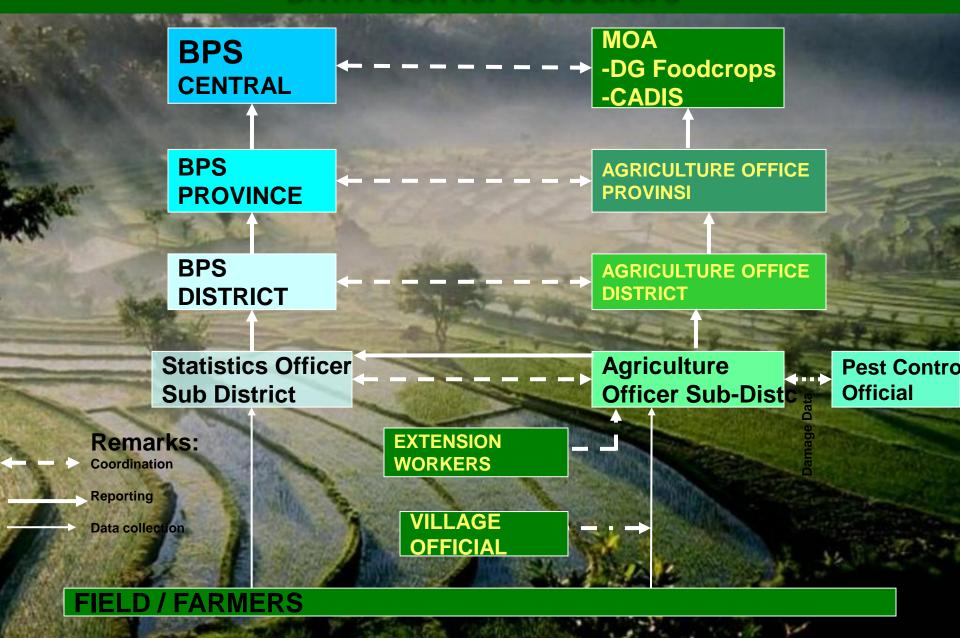


Coordination of Agricultural Statistics





DATA FLOW for FOODCROPS



REPORTING SCHEDULE OF FOOD CROPS DATA

PERIODE	TYPE OF REPORTS	JAVA (DUE DATE)	OUTSIDE JAVA (DUE DATE)		
Monthly	-PADDY (Area) -SECONDARY CROP (Area)	Day 5 th	Day 10 th		
Yearly	-PADDY FIELD -MACHINARIES -SEEDS	January 5 th	Januari 10 th		
Subround	SUB-L Form SUB-DS Form	Two weeks before <i>subround</i> begin One week before <i>subround</i> begin			
During harvest time	SUB-S Form	Applicable for harvest month only			
	TOTAL TOTAL STREET		Will be		

Official Release of Production Figure

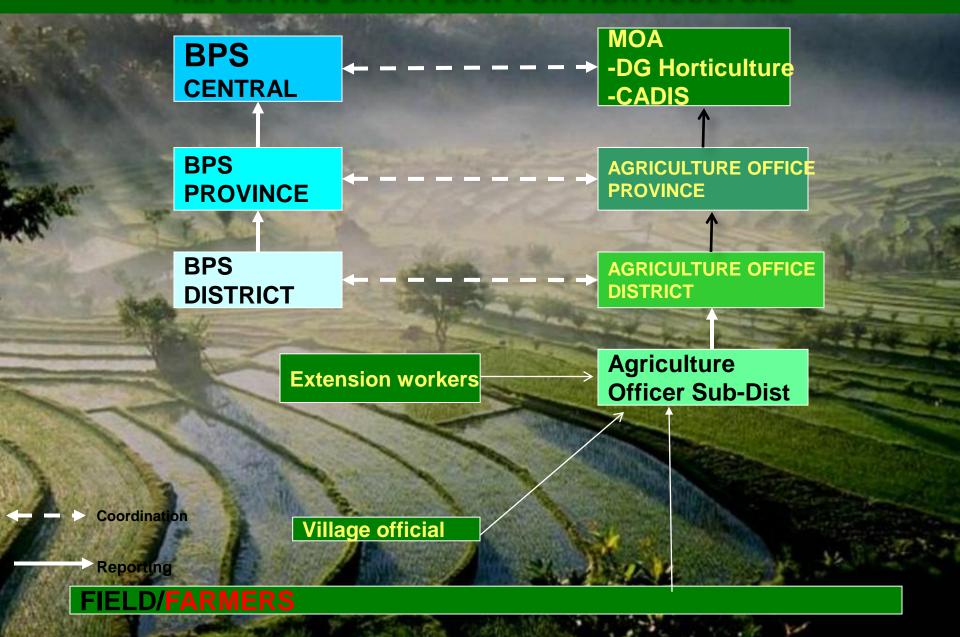
Status	Release Calendar (year t)	SUBROUND			
		January- April	May- Agustus August	September- Desember	
1 Forecast I (t)	Early July	REAL	FORECAST		
2 Forecast II (t)	Early Nov	REAL		FORECAST	
3 Preliminary (t-1)	Early March	REAL (data not yet final)			
4 Final (t-1)	Early July	REAL (data has been final)			
				invellet	

- ► Preliminary Figure is released
- Final Figure is released

Preliminary Figure -> invalid



REPORTING DATA FLOW FOR HORTICULTURE



REPORTING SCHEDULE FOR HORTICULTURE DATA

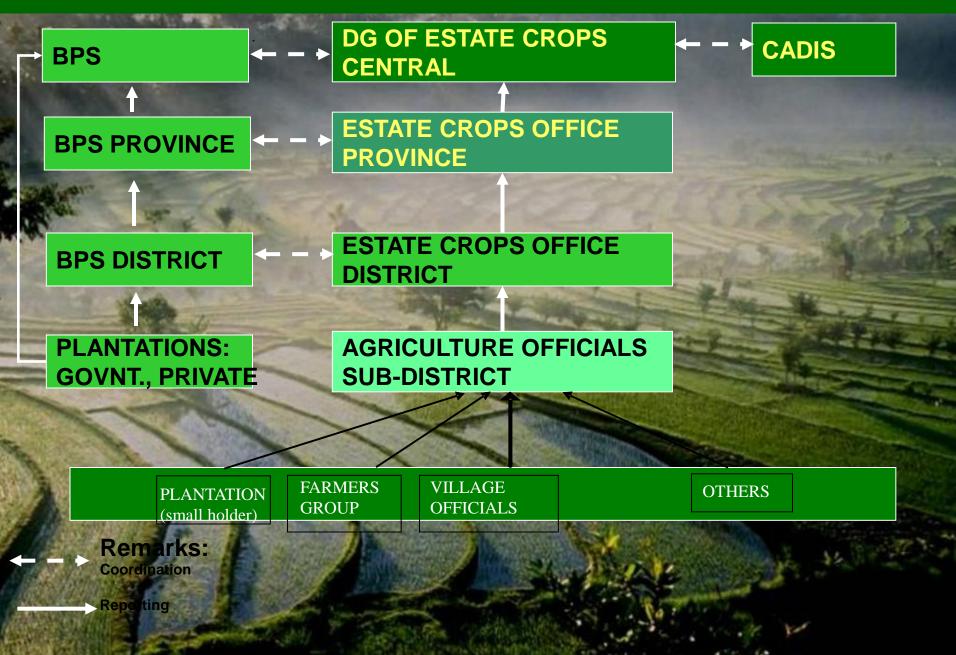
No	TYPES OF REPORT	PERIODE	CONTENT
1.	SPH-SBS (Vegetables and fruits, seasonal)	Monthly	Planted area, harvested area, damaged area, new planted area, production, farmers price
	SPH-BST (Vegetables and fruits, yearly)	Quarterly	Number of: trees, cut trees, new plants, un-productive plant, productive plant, damaged plant, end of quarter plant, production, Produksi, farmers price
3.	SPH-TBF (Biofarmaka)	Quarterly	Planted area, harvested area, damaged area, new planted area, production, farmers price
4.	SPH-TH (ornamental crops)	Quarterly	Planted area, harvested area, damaged area, new planted area production, farmers price
5.	SPH-ALSIN (Tools and machinaries)	Yearly	Number of: good tools/machines, broken tools/machines, total tools/machines
	SPH-BN (Seeds)	Yer ly	Number of producers total area, producers total area, producers total area,
CONTRACTOR OF	PART TO THE PART OF THE PART O	The Paris	THE STATE OF THE S

VALIDATION AND VERIFICATION

- Yearly data: area, production, productivity
- · DATA t-1
- District Level: BPS and Local Agriculture Office
- Provice Level: BPS and Local agriculture office
- Central level: BPS, Local agriculture office DG Horticulture, CADI



REPORTING DATA FLOW FOR ESTATE CROP DATA



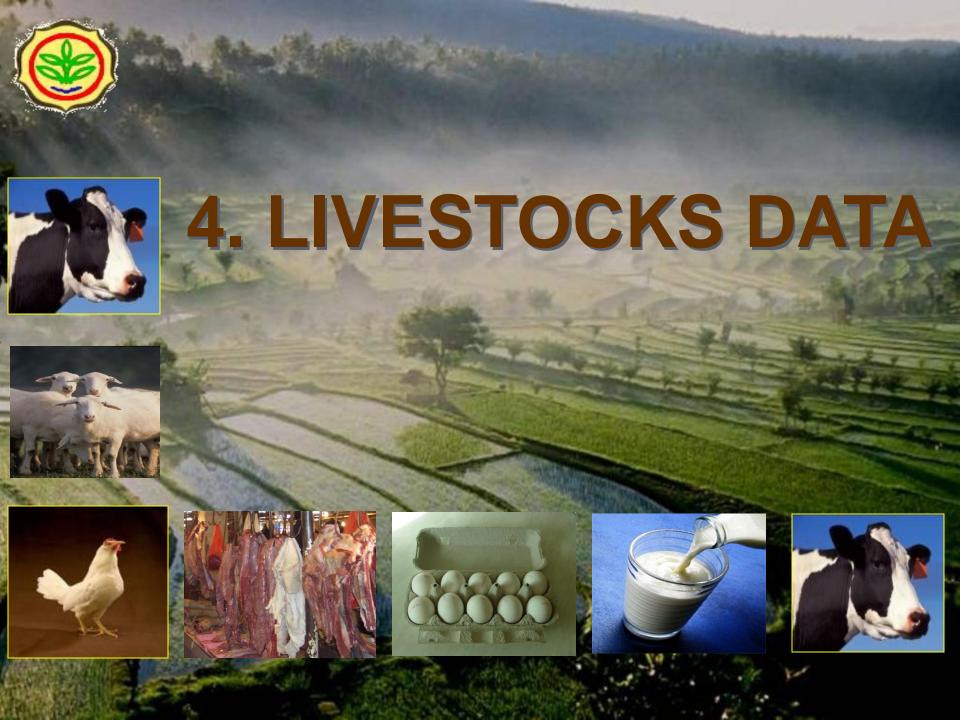
ESTATE CROPS DATA COLLECTION METHOD

METHODE	TYPE OF DATA	PERIODE	REMARKS
Complete report	Area, production, yield	Yearly	
Sampling	Productivity		Still in development

•Number of commodities: 22

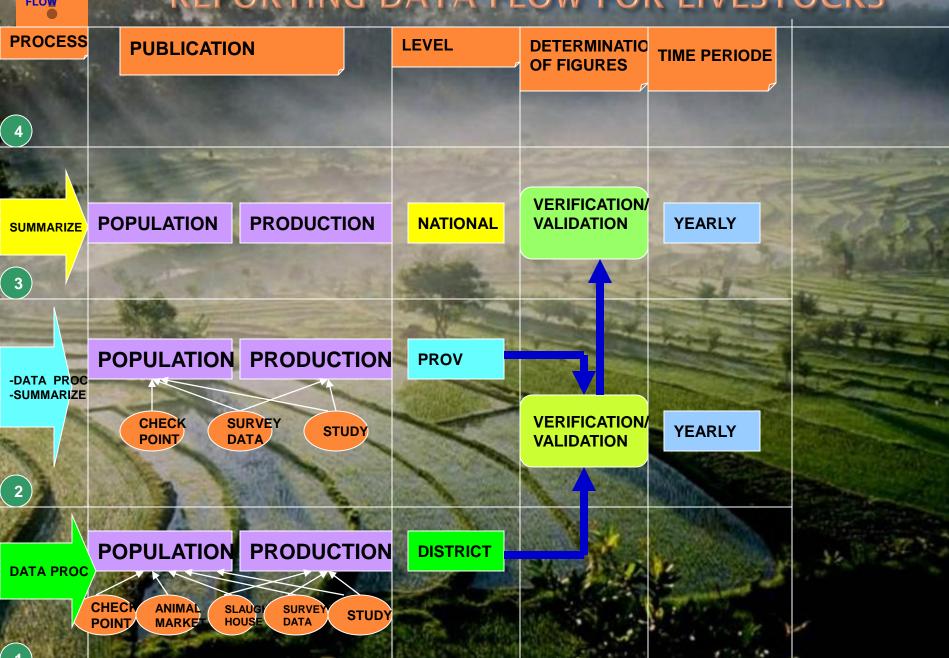
12 major commodities dan 10 other commodities

Big Plantation: BPS, Small farm: Estate crop office





REPORTING DATA FLOW FOR LIVESTOCKS



LIVESTOCK DATA

1969 - 2014

1969 - 2014

1969 - 2014

1969 - 2014

1969 - 2014

1969 - 2014

1969 - 2014

1969 - 2014

1981 - 2014

1969 - 2014

1969 - 2014

1969 - 2014

1969 - 2014

1969 - 2014

MAJOR DATA

POPULATION

BEEF CATTLE

DAIRY CATTLE

BUFFALO

HORSE

GOAT

SHEEP

PIG

NATIVE CHICKEN

BROILER

LAYER

DUCK

PRODUCTION

MEAT

EGG

MILK

SERIES OF DATA

PUBLICATIONS

AGRICULTURAL

AGRICULTURAL STATISTICS POCKET BOOK

AGRICULTURAL STATISTICS DATABASE

WEB BASE

STATISTICS

ANALYSIS

LIVESTOCK OUTLOOKS



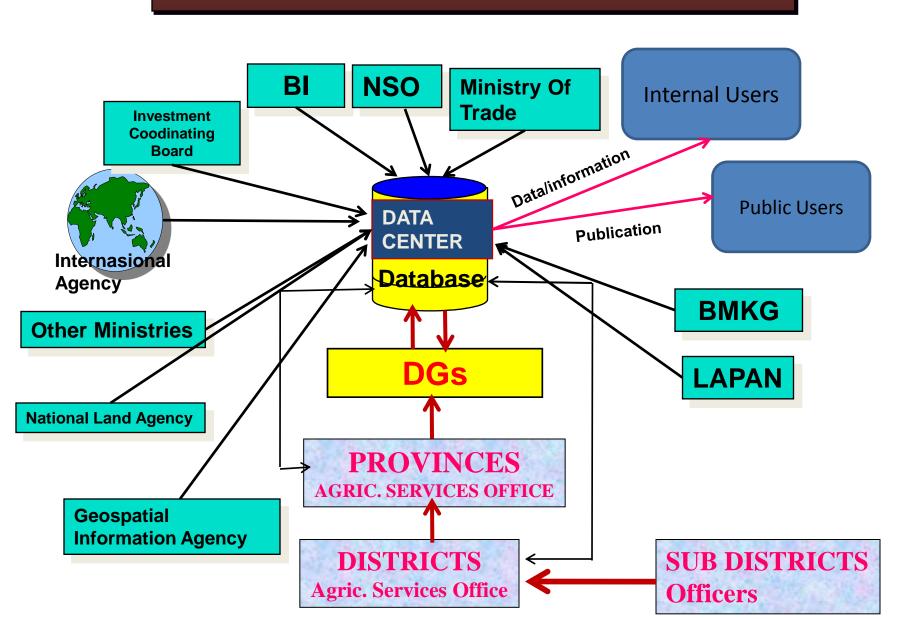




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Data and Information Network at Ministrial Level





Agricultural Data Classification

Upstream/Input Data:

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

- On-farm/Production Data:
 - Food crops

Forestry

- Horticulture
- Fisheries

- Livestocks
- Estate crops
- Down-stream Data:
 - Processing, Trading, GNP, Farmer's Term of Trade, Investment
- Supporting Data:
 - Human resources
 - Technology resources

Detail Output of The Agricultural Statistics

Level

National

National

National

National

Most Recent Data

2003

2013

2013

2010

Source of data

Survey

Counting

Counting

Survey

Responsible Agency

NSO

NSO

NSO

NSO

Indicator

Agricultural Income

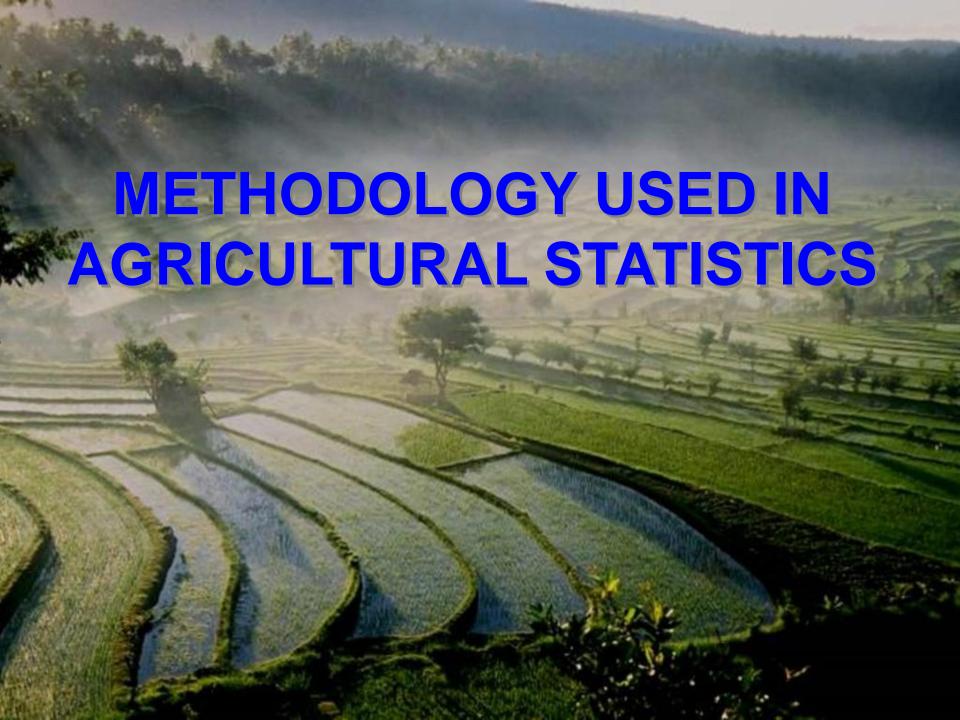
Agricultural GDP

Agricultural Term of Trade

Agricultural Cost Structure

No

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
	Machinary	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 Consumtion	NSO	National	2012	Survey
IV	Trade				
	Export and Import	NSO/Custom	nasional	2013	Administratif
	Producer and Wholesale Prices	MOA	Regional	2013	Administratif
	Market Prices	Ministry of Trade	Regional	2013	Administratif
		•	, and the second		
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
		1100		,	2



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 and MOA
- Marine Fisheries Survey and Aquaculture Survey : MMF

3. Administrative Reports

- Planted Area: MOA
- Harvested Area: MOA
- Agricultural Input: MOA
- Livestock Population : MOA
- Forestry Production : MF
- Price : MOA, MOT
- Export Import : CUSTOM

International Clasification Adopted

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



A. Human Resources

- Central Office (± 250 People: including NSO, MoA, MMF, MoF)
- Provincial Office (± 400 People): 34 provs
- District Office (± 6000 People): 520 districts
- Sub-District Official (± 26.400 People): 6600 SDs

B. Financial Resources

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

C. Physical Resources

- Computer/Laptop is provided for each Statistics Officer at Central, Province
- GPSs are also provided for each district



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)

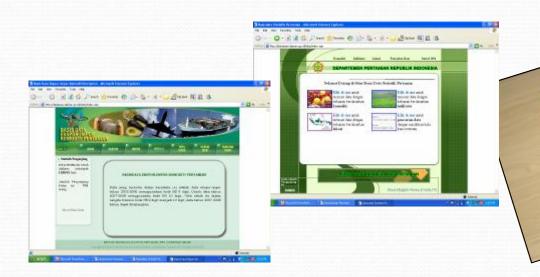
Agricultural Statistics, yearly

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 Domestics 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
- Analisys 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	 Fishing vessels by type and size Fishing units by type of equipment and vessel size Fishing trips by type of equipment and vessel size 	AnnualAnnualQuarterly
OUTPUT	 Production by type of fishing gear and fish species Production values by type of fishing gear and fish species Production by type of fishing gear of fish seed and fish species Value of fish seed production by type of equipment catching fish fry fish 	Quarterly

PUBLICATION OF AQUACULTURE STATISTICS

DE	TAILS	THE TYPE OF DATA COLLECTED	DATA COLLECTION
	NOMY NITS	Households or establishments aquaculture use form SB-2a (broodstock) and form SB-H1 (ornamental fish data)→area of aquaculture (wide effort)	Annual
IN	NPUT	 Means of production Production Value of production	Quarterly
OU	TPUT	 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 Dessimination through Website

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

Cari

Beranda

Tentang BPS

Senarai Rencana Terbit

Publikasi BPS

Berita Resmi Statistik

Website BPS Provinsi

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%



BPS Provinsi



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

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



or www.bps.go.id...

www.pertanian.go.id

ouTube OS Kementerian Pertani...







S Google S History 👊 rencana jalan citaya...



Folder baru





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 PEMBERHENTIAL

Berita Utama / Headline News

Sekretariat Jenderal I 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 peluana" uiar Menteri Pertanian. Suswono dalam sambutannya dalam acara *Gelar Penerapan Teknologi Pertanian" Pengolahan Hasil (19/03/2014).

Berita Utama Lainnya / More Headline

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



Kementerian Kelautan dan Pertkanan Republik Indonesia

Ministry of Marine Affairs and Fisheries Republic of Indonesia



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



🖾 Mail@kkp.go.id 🌞 English





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 mewujudk...

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

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).

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 Iltama

Link Lainnya



engarusutamaan Gender Kelautan-







Kementerian Kehutanan Republik Indonesia The Ministry of Forestry Republic of Indonesia







Peraturan Perundangan

Organisasi Kelembagaan

Publikasi Kehutanan

Kehutanan Propinsi

Umum























Berita

Lelano

Situs Terkait

Email Pelabat

Buku Tamu

Kontak Kami

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Kalendar Event

(INTERNATIONAL DAY OF FORESTS) 2014

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Inspektorat Jenderal

Bina Usaha Kehutanan

Pengelolaan DAS dan PS

PHKA

Planologi Kehutanan

Penelitian dan Pengembangan

Penyuluhan dan Pengembangan SDM

:: 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.





.: Kalender Hotspot :.

<< Prev March 2014 Next>>

Go

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.













