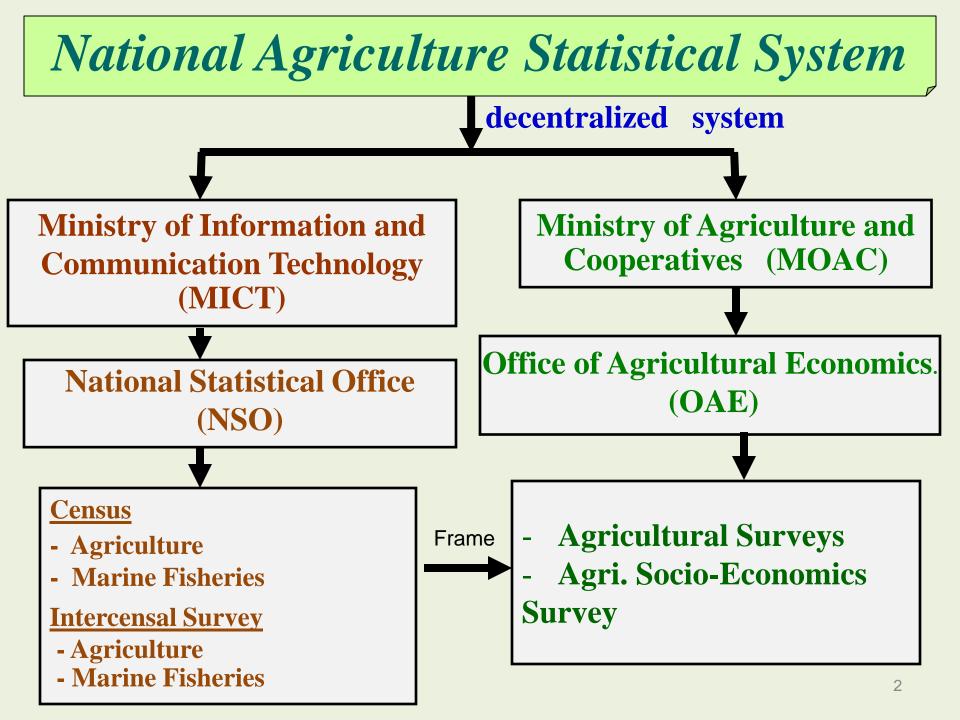
Agricultural Statistics within National Statistics System in the Decentralized System

By Ms.Nongnooch Deetae Expert for Agricultural Statistics system Office of Agricultural Economics Ministry of Agriculture and Cooperatives Thailand





Role of NSO (by Statistics Act 2007)

Statistics production (statistics & indicators)

Produce basic information from

Censuses

- Population and **Housing Census**
- Agricultural Census
- Business and Industry Census

Surveys

- Economic
- Social
- Public opinion

Statistical service

- Advice on statistical technique
- Training/Study visit
 - Statistics
 - Computer programs
- Collaboration in statistical matter
 - Domestic
 - International
- Compile statistics / indicators
 - from NSO
 - from other agencies

Management of national

statistical system

- Develop national statistical master plan
 - develop fundamental statistics of the country for decision making (official statistics)
- Establish statistics development plan
 - quality assessment
 - statistical standard (definition, classification for occupation/industry/ education, ...)
- Statistical Information ٠ **Integration and Sharing**

(develop a centralized system)

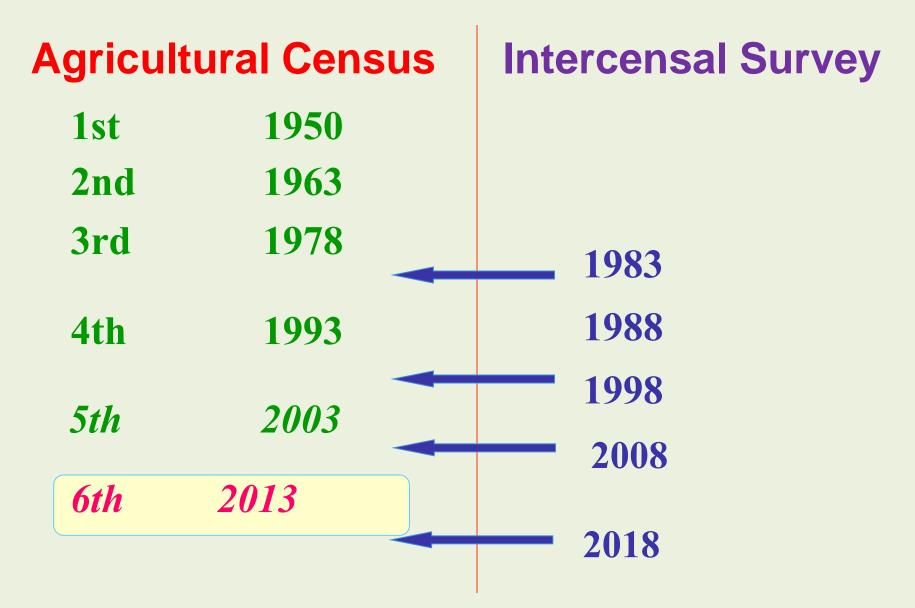
Responsibility of NSO : Central state agency in charge of the technical statistics work 3

Role & Responsibility of OAE

- •To carry out duties as stipulated by the Agricultural Economics Act and other relevant laws.
- •To study and analyze agricultural economic situation, conduct agricultural and cooperative development plan.
- •To study and conduct research on production economics, agricultural marketing research, farm management, agri-business, farm households, socioeconomic and labor forces in agricultural sector.
- •To study, analyze, conduct and disseminate agricultural statistic information, agricultural economic warning information.
- •To study, analyze, monitor and evaluate progress outcome and impact of the implementation of programmes, plans, projects under provided budget.
- •To perform any other responsibilities required by laws or by the Ministry or assigned by the Cabinet.

Collection and Dissemination Agricultural Statistics by **NSO**

Background



Objectives

1. To collect basic information on agricultural structure.

2. To obtain information for consturcting sampling frame for agricultural surveys.

3. To provide data at the lower levels eg. village

Coverage

<u>All holdings</u> engaged in agricultural activities as follows

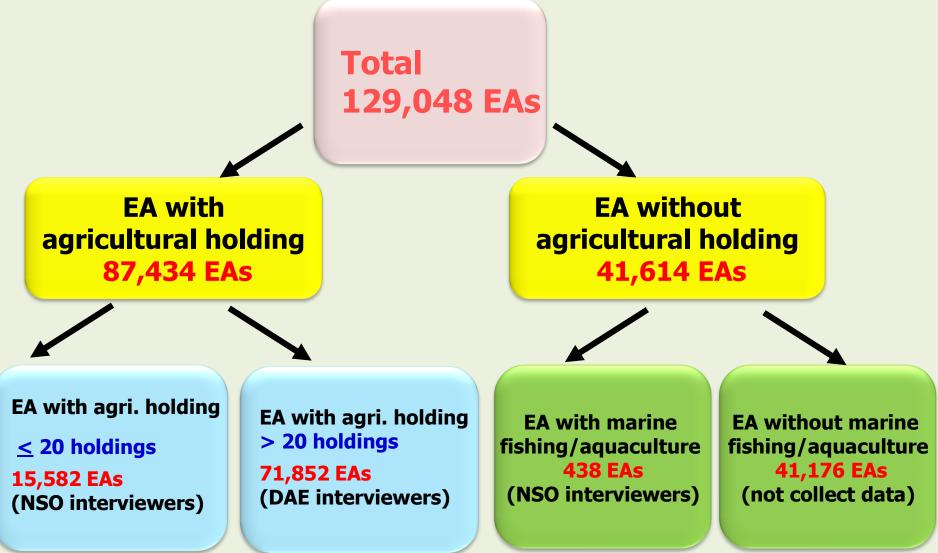
- 1. Cultivating crops
- 2. Rearing livestock
- 3. Freshwater culture
- 4. Sea salt farm

The 2013 Agricultural Census

Collaboration with

the Ministry of Agriculture and Cooperatives

Enumeration Area (EA) of the 2013 Agricultural Census



The 2013 Agricultural Census

Data Collection in May 2013 by Tablet





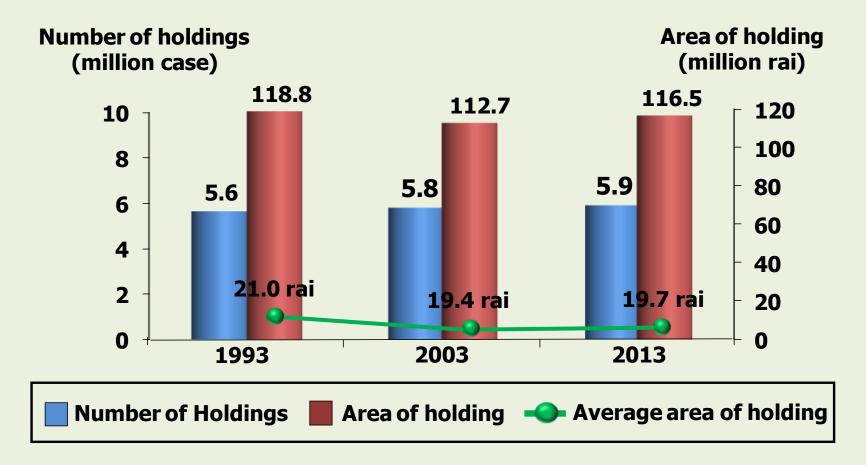


Schedules

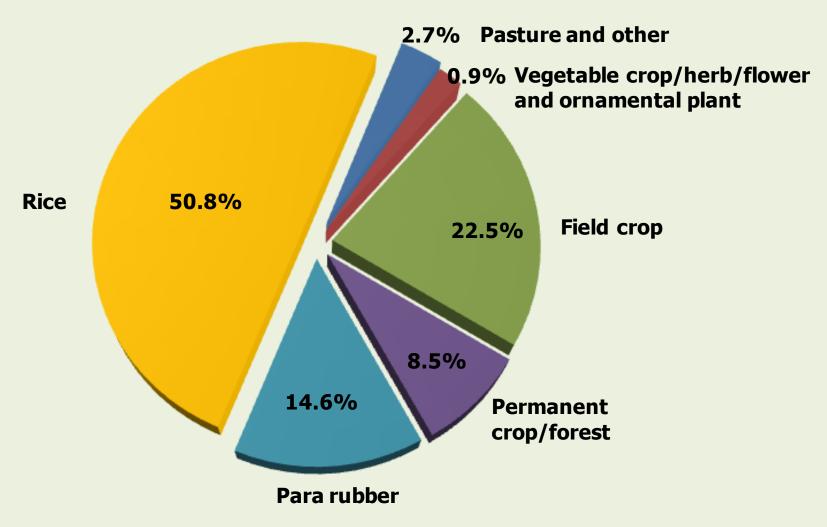
- **2012 Planing & Preparing** (budget, questionnaire, legislation,...)
- **2012 Pilot survey (2 provinces)**
- 2013 Field Operation Data processing Preliminary report (Listing form) Advanced report (Enumeration form 1%)
- **2014 Final report** (Enumeration form 100%) (77 provinces , 4 regions , whole kingdom)

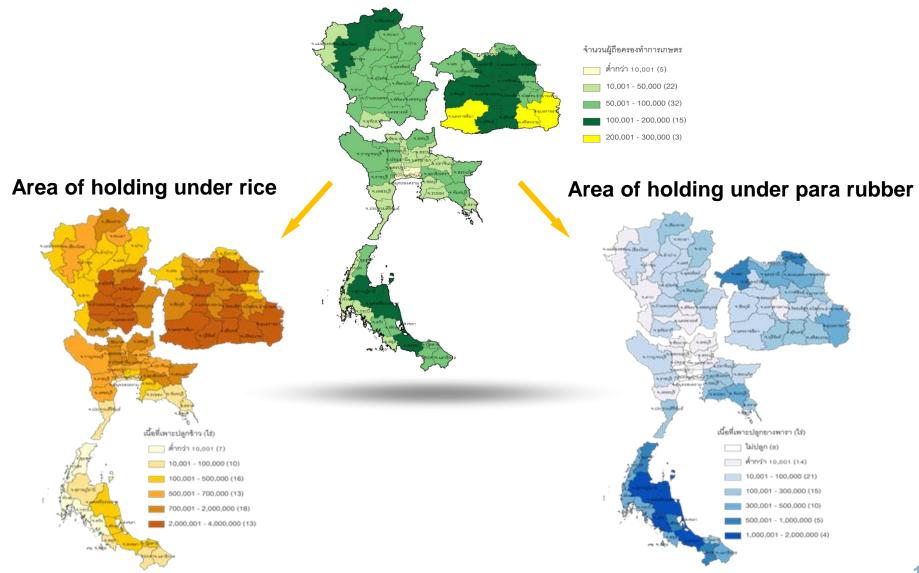
Some main findings from the 2013 Agricultural Census

Comparing number and area of holdings (1993 – 2013)



Area of holding by land use





Number of agricultural holdings by province

Collection and Dissemination Agricultural Statistics

by

OAE

Collection & dissemination Agricultural Statistics by OAE

- 1. Survey
- 2. Report
- **3. Forecasting**

4. Remote sensing and GIS

1. Survey

Crops production



Livestock production

Fisheries production

Cost of production

>Agri. Socio-Economics

Crop production Survey

: <u>27 commodities</u>; Rice, Cassava, Soybean, Pineapple, Maize, Onion, Potato, Longan, Durian, Mangosteen, Oil Palm, Rubber etc.

Livestock production survey

: <u>9 commodities</u>; Swine, Broiler, Layer, Native Chicken, Dairy Cow, Cattle, Buffaloes, Laying duck and Duck

Fisheries production Survey

: <u>4 Commodities</u>; Jumbo tiger prawn, Vannamei prawn, Nile tilapia and Thai red Tilapia

Frequency : Annual survey

: 37 commodities

Rice, Maize, Cassava, Oil Palm, Rubber etc.

- : Commodities varied from year by year.
- : Wage rate survey every quarter.



- : multi purpose
- Characteristics of farm household, Land holding, Land utilization, Income and Expenditure etc.)
- Frequency : Annual survey

2. Report

►Items : Farm gate Price,

Spot Price

Level : grade, provincial Frequency : daily, weekly

3.Forecasting

Methodology : Econometrics model

C Shipments Cycle Worldwide Forecast

Forecasting Data

Typing : Quarterly & Outlook forecasting data Items **Crops:** *production*, *area*, *yields* crop calendar Livestock: production, inventory, calendar year **Fisheries:** *Production, area, yield* calendar year

Quarterly Forecasting data: 28 commodities

➢ Field crop (6) : Major Rice, Second Rice, Maize, Soybean, Pineapple, Cassava.

➢ Perennial crop(13): Longan, Lychee, Durian, Mangosteen, Rambutan, Longong, Oil Palm, Natural Rubber, Coffee, Onion, Shallot, Garlic, Potato.

Livestock(5) : Broiler, Layer, Cattle, Diary Cow, Swine.

Fisheries(4) : Jumbo tiger prawn, Vannamei prawn, Nile tilapia and Thai red Tilapia

Frequency : Quarterly Level: Provincial, National

Outlook : 70 commodities

- ➢ Field crop(17) : Major Rice, Second Rice, Maize, Soybean, Pineapple, Cassava etc.
- ➢ Perennial crop (22) : Longan, Durian, Rambutan, Mangosteen, Oil Palm, Natural Rubber, Coffee, Onion, Shallot, Garlic, Potato etc.
- >Vegetables(24): Onion, Shallot, Garlic, Potato etc.
- **≻Flower(1)**: Orchid
- **Livestock** (9): Broiler, Layer, , Swine, Cattle, Diary Cow.
- **Others** : *Fisheries*

Frequency: *semi-annually* Level : *National*

4. Remote sensing & GIS

Composed of Sampling



Survey Technique and Geo-Information Technology

> To estimate the most correctly data



of planted area and production of crops.

Current Situation of National Statistical System

Thailand National Statistical System

Decentralized Statistical System

Too many sources of data collection

Too many data produced

Could not find the right source/kind of data (duplication, omission, quality & statistical standards problems)

Could not do any analysis or make decision for effective national policies formulation & for urgent crisis *(user confusion, coordination problems)*

Due to data are not being integrated and linked



Amendment of Statistics Act in 2007 (1952 \rightarrow 1965 \rightarrow 2007)

 Thailand National Statistical System is still Decentralized System, but with clear roles, function and relation of various agencies in the National Statistical System

• To empower NSO to do better coordination roles for effective management of National Statistical System

 Statistical Data of Government organizations will be linked and used integratedly

Strategy in Development of Thailand National Statistical System

- *Official Statistics* concept be used as reference data of the country
- Consideration of *Official Statistics* be done by each sector
- Development of system to link, integrate and share statistical data from government agencies
- Promote and support the use of statistical data
- Improvement of quality of *Official Statistics*

Vision and Strategy of Thailand Statistical Master Plan 2011-2015

Vision: "Thailand has a statistical system that drives all the agencies together. Thailand will have the official statistics to develop country."

Strategy for the development of statistical systems:

Strategy #1 Efficient management of the statistical system

Goals : 1. Thailand has Official Statistics.

- 2. Thailand has a statistical system of high standard and efficiency.
- 3. Thailand has a system to develop statistical teams and units.

<u>Strategy #2</u> Standardized statistical production

Goals : 1. Thailand has good statistical practices.

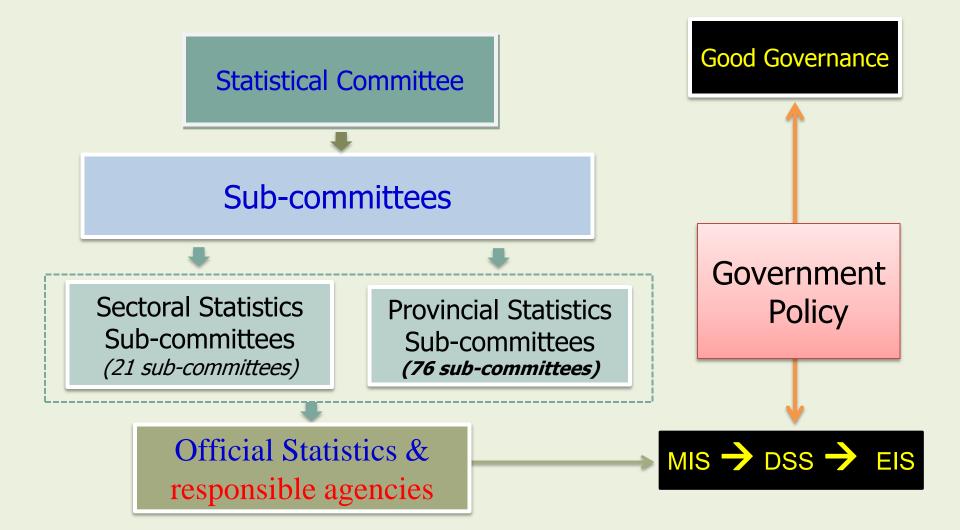
2. Thailand produces statistical data in accordance with the quality standards.

<u>Strategy #3</u> Equal access to statistical data

Goals : 1. People have equal access to statistical data.

2. Official Statistics are widely used.

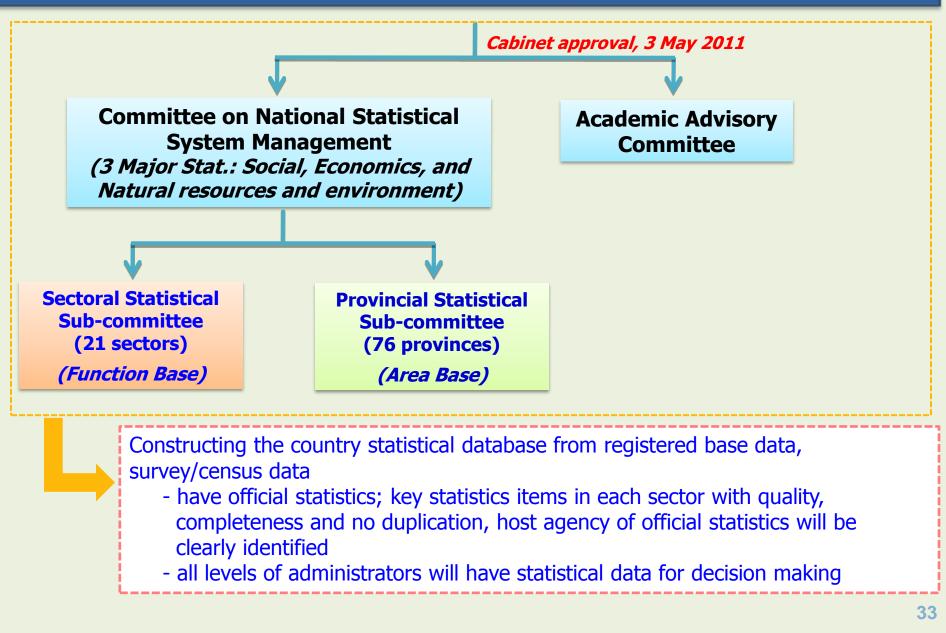
Thailand Statistical Master Plan: Principal Idea



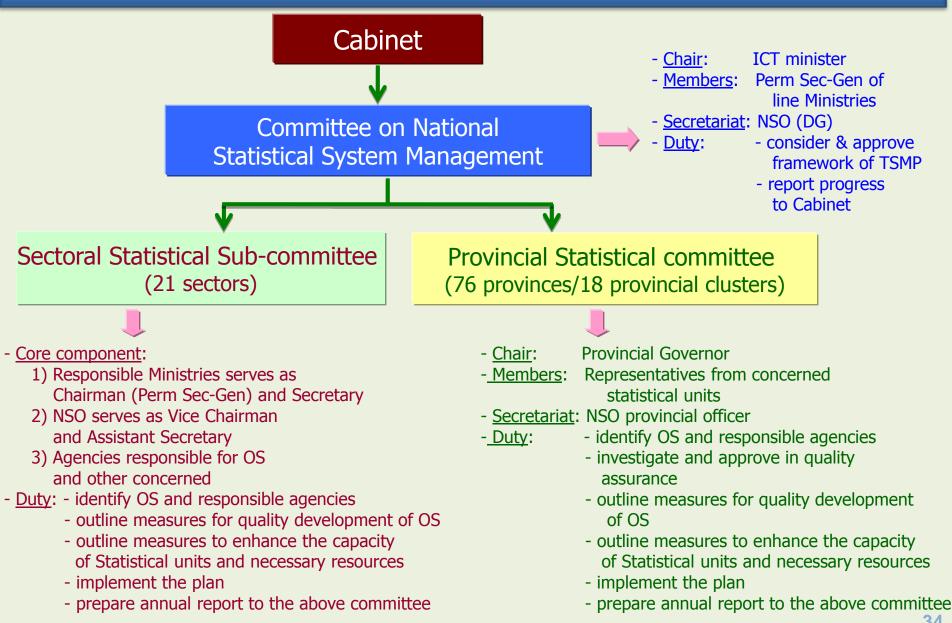
"*Key statistical items in each sector that are commonly used for national development planning and monitoring, and ensure that Official Statistics (OS) are produced and disseminated periodically, timely, and high quality"*

The Implementation of Thailand Statistical Master Plan 2011-2015

Cabinet approval, 28 Dec 2010

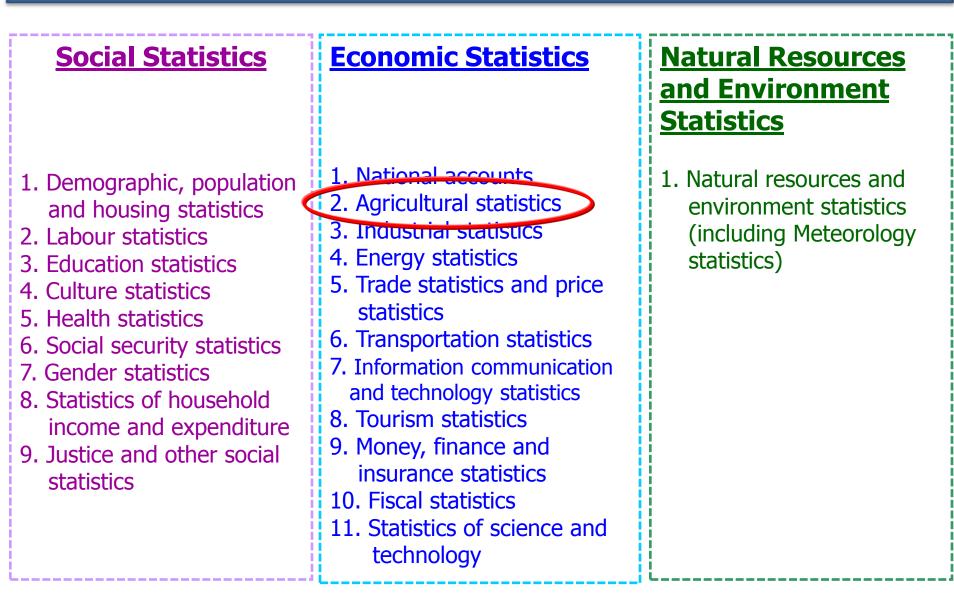


Implementing TSMP: Role & Responsibility

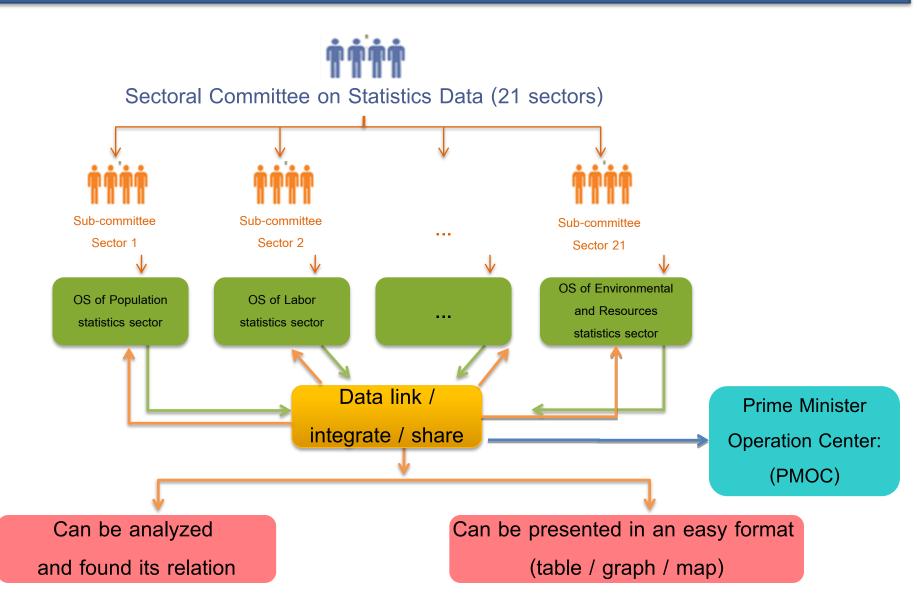


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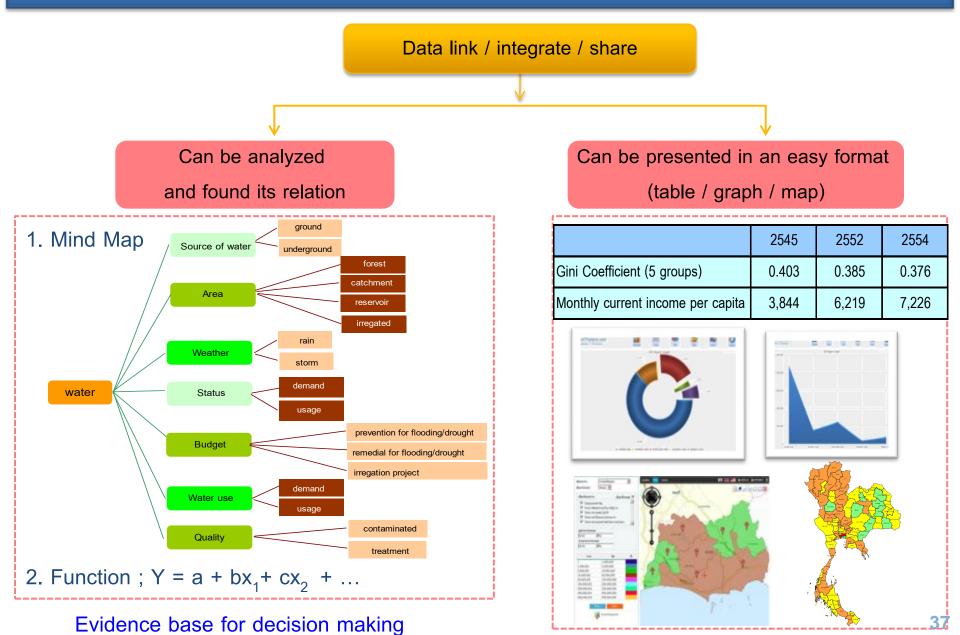
Implementing TSMP: 21 Sectoral Statistics



Implementing TSMP: Function Base Approach



Implementing TSMP: Function Base Approach (cont'd)



Sectoral Statistical Sub-committee and Working Group for Agricultural Statistics

(as coordinated with Ministry of Agriculture& Cooperatives)

Chairman: Permanent Secretary of MOAC

Vice chairman: Deputy Permanent Secretary (Administration) of MOAC and Deputy Director-General of NSO

Committees: Representatives from major government agencies related to agricultural statistics (producers and users) such as NESDB, Office of Agricultural Economics, Department of Fishery, Department of Land Development, Department of Agricultural Extension, Department of Livestock, Department of Cooperatives Extension, NSO, etc.

Secretariat: Representatives from Centre for Agricultural Information, OAE and National Statistical Office

Working group: - Chaired by the secretariat of the sub-committee,

 Committees comprise of representatives from agencies related to agricultural statistics (same as those agencies in the sub-committees but the working team are staffs who work directly with agriculture data)

Implementing TSMP: Way Forward

□ The Cabinet approval on 4 June 2013;

- merging statistical development plan with government agencies action plan

- maintaining manpower related to statistical staff

- flexibility in mobilizing budget of government NSO will conduct the assessment of OS

- NSO will develop the centralized system for statistical service (including the development of the input, searching and presentation feature) such as Data Networking, for which the statistics is used worthwhile
- NSO will provide the capacity building programs;
 - 1) a good practice for the production of statistics
 - 2) the use of statistical service system

Thank You

ขอบคุณค่ะ Khob khun kha

