



National Statistical Office  
Thailand

# National Quality Assurance Framework of Thailand

International Workshop on  
the implementation of **NQAF** and **GSBPM**  
on 10 - 11 January 2022

**Nontalee Siripunyawit**  
**NSO, Thailand**

# National Statistical Office, Thailand (TNSO)

## The Statistics Act, B.E. 2550 (2007)

.....

**Bhutmibol Adulyadej, Rex.**  
**Given on the 30<sup>th</sup> day of August, B.E. 2550;**  
**Being the 62<sup>th</sup> Year of the Present Reign.**

**Section 6** The National Statistical Office shall have the following authority and duties:

- (1) Preparing the Master Plan for the implementation of the government statistical work.
- (2) Preparing statistical standards to present to the cabinet for approval.
- (3) Promoting and developing statistical work both for the government and private sector.
- (4) Conducting censuses or surveys or directing the surveys on various statistics of the country.
- (5) Coordinating and consulting with agencies to prepare plans that define the responsibilities in implementing the statistical work under the Master Plan as mentioned in (1).

According to the 2007 Statistics Act, the National Statistical Office (NSO) has been assigned various authorities and duties, one among the others, is to prepare the Statistical Master Plan for an implementation of the government statistical work.

This responsibility will encourage the country to have comprehensive official statistics for the evidence-based plans and policies for evaluating and monitoring the country's development.

Moreover, this **Statistical Master Plan would promote and support all government agencies to be able to produce statistical data in accordance with standardized quality.** These statistical data could be used by all levels administrators for their decision making and all sectors could also jointly make use of statistics

# Thailand's Statistical Master Plan (TSMP)

## 1<sup>st</sup> Thailand's Statistical Master Plan (2011-2015)

**Vision** "Thailand's statistics represent a joint effort of all government agencies that are driven by a shared goal to develop Office Statistics to guide and support national development".

In the fiscal year 2014, the National Statistical Office had a plan to focus on the **2<sup>nd</sup> Strategy : Development of official statistics with standards** in order to produce official statistics in Thailand which are in accordance with international standards and are comparable at both national and international levels.

### The vision and mission of the quality commitment towards official statistics are:

"Thailand will enhance the **quality management of official statistics** by **encouraging cooperation** between the National Statistics Office and other official statistics agencies to improve the quality of official statistics to develop the country."

#### Missions:

1. To ensure the quality management of official statistics in Thailand;
2. To promote and support quality in the production of official statistics;
3. To promote and support the dissemination of official statistics and data services;
4. To promote and support the use of official statistics.

#### Thailand Code of Practice

In order to achieve the vision and missions, **9 principles of the Code of Practice** for quality management official statistics production have been established. These principles aim to promote and maintain the quality of statistics production. In addition, commitment to work together and good relationships with regular users are initiated.





# National Quality Assurance Framework of Thailand

## Definition of Statistical Data Quality

“Statistics that meet user needs or suitable for the purpose/application with a good statistical production process according to academic principles, accurate, reliable, timely, consistent and standardized.”

Thailand adheres to the 10 fundamental principles of official statistics (UN) . It is the foundation of the quality management system.

## The quality dimension was selected based on the following criteria:

1. A study from the Code of Practice and the Quality assurance framework (QAF) of successful international organizations and countries.
2. Using knowledge and experience related to the production of official statistics by selecting the necessary and sufficient indicators.

# Thailand Code of Practice



National Statistical Office  
Thailand

## European Statistics Code of Practice



## Thailand Code of Practice

### PRINCIPLE 1 Professional Independence

PRINCIPLE 2 Mandate for Data Collection and Access to Data

PRINCIPLE 3 Adequacy of Resources

PRINCIPLE 4 Commitment to Quality

### PRINCIPLE 5 Statistical Confidentiality and Data Protection

PRINCIPLE 6 Impartiality and Objectivity

### PRINCIPLE 7 Sound Methodology

### PRINCIPLE 8 Appropriate Statistical Procedures

PRINCIPLE 9 Non-excessive Burden on Respondents

PRINCIPLE 10 Cost Effectiveness

### PRINCIPLE 11 Relevance

PRINCIPLE 12 Accuracy and Reliability

PRINCIPLE 13 Timeliness and Punctuality

PRINCIPLE 14 Coherence and Comparability

PRINCIPLE 15 Accessibility and Clarity

### Institutional Environment

Principle 1: Professionalism and Independence

Principle 2: Statistical Confidentiality

### Statistical processes

Principle 3: Sound Methodology

Principle 4: Appropriate Statistical Procedures

### Statistical Output

Principles 5: Relevance

Principles 6: Accuracy and Reliability

Principles 7: Timeliness and Punctuality

Principles 8: Coherence and Comparability

Principles 9: Accessibility



The **TCoP** has set **9 practice guidelines** in official statistics quality management to promote and maintain the quality of official statistics, by emphasizing the sharing of information, and to establish standards of statistical production that are theoretically correct and aligned with international standards.

In order for official statistics to be a highly reliable reference and for the cooperation and continuation of good relations with users of official statistics, the production of official statistics must have a systematically planned production process, set standards of quality, and must be produced regularly and continuously.



# Thailand's Statistical Master Plan (TSMP)

## 2<sup>nd</sup> Thailand's Statistical Master Plan (2016-2021)



The 2<sup>nd</sup> TSMP aims to develop statistical data in accordance with the **standard and quality** and to integrate, exchange and link data between agencies so that data can be jointly applied for decision and policy making for the country development at all levels (national, agenda-based, area-based).

### Vision

Thailand's statistics represent a joint effort of all government agencies that are driven by a shared goal to develop Official Statistics to guide and support national development.

### Mission

- Manage national statistical system.
- **Promote the statistical production in accordance with the international quality standards.**
- Promote the services of statistical data.

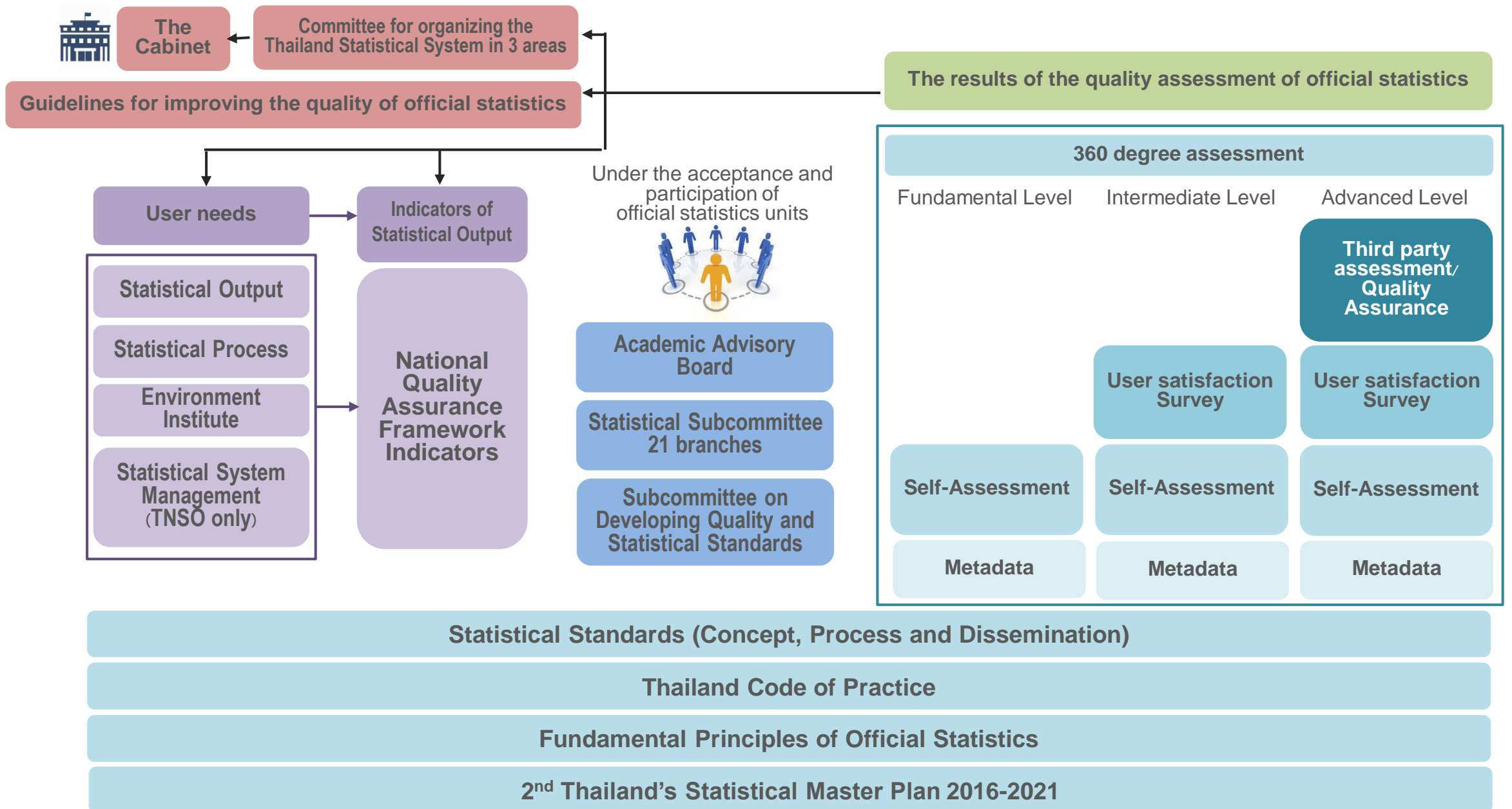
### 3<sup>rd</sup> Strategy

Development of statistical data quality in accordance with the international standards.

### Goal

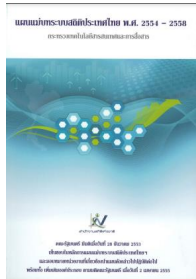
1. **Promote the use of statistical quality standards** in statistical production and develop statistical data in accordance **with the international quality standards.**
2. **Promote statistical agencies** in the government and private sectors **to understand and to assess** their statistical data produced.

# Thailand's quality management framework



# Timeline of Official Statistics quality management in Thailand

## 1st TSMP (2011-2015)



### TCoP



2016

### FPOS



### FPOS Implementation Guidelines

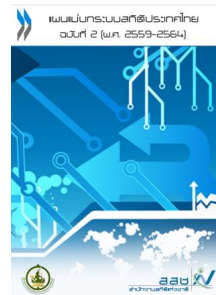


The Cabinet approved the FPOS and FPOS Implementation Guidelines on October 22, 2019 and announcing the statistical unit to use as a guideline for producing official statistics of Thailand to have quality according to the UN standards

2019

2021

## 2nd TSMP (2016-2021)



### TCoP Implementation Guidelines



## Coaching and Monitoring

GD Catalog (Government Data Catalog)



2022

- User Survey
- Preliminary official statistical quality assessment form
- Quality Indicators
- Quality Report Template etc.



# Operational policy for the improvement of the quality of official statistics



“Emphasis on the development of standardized statistical production along with **Coaching** to strengthen the quality within the statistical unit first and then enter the process of evaluating the quality of official statistics.”

**Thank you**