

Conference Theme : SDMX FOR YOU

PRESENTATION BY TNSO TO 7TH SDMX GLOBAL CONFERENCE

IN BUDAPEST, HUNGARY

16-19 OF SEPTEMBER, 2019



TOPICS OF PRESENTATION



Introduction :

- The Ministry of Digital Economy and Society, formerly (known as the Ministry of Information and Communication Technology)
- The 20-Year National Strategy, Thailand 4.0 model
- Thailand Interoperability Policy

Implementing SDMX Country experiences

SDMX Exchange and dissemination in TNSO SDMX

- Success stories
- Lesson Learn
- Challenge

- Potential next steps
- Discussion/Q&A



Introduction

- The 20-Year National Strategy
- Thailand 4.0 Model > **NEW GROWTH ENGINES**



Thailand 4.0 transforming towards the value-based economy



Thailand4.0

- 1.0 Agriculture sector
- 2.0 Light Industries
- 3.0 Heavy industries and Export
- 4.0 Focus on “**Stability, Prosperity and Sustainability**”



National Statistical Office



National Statistical Office



VISION

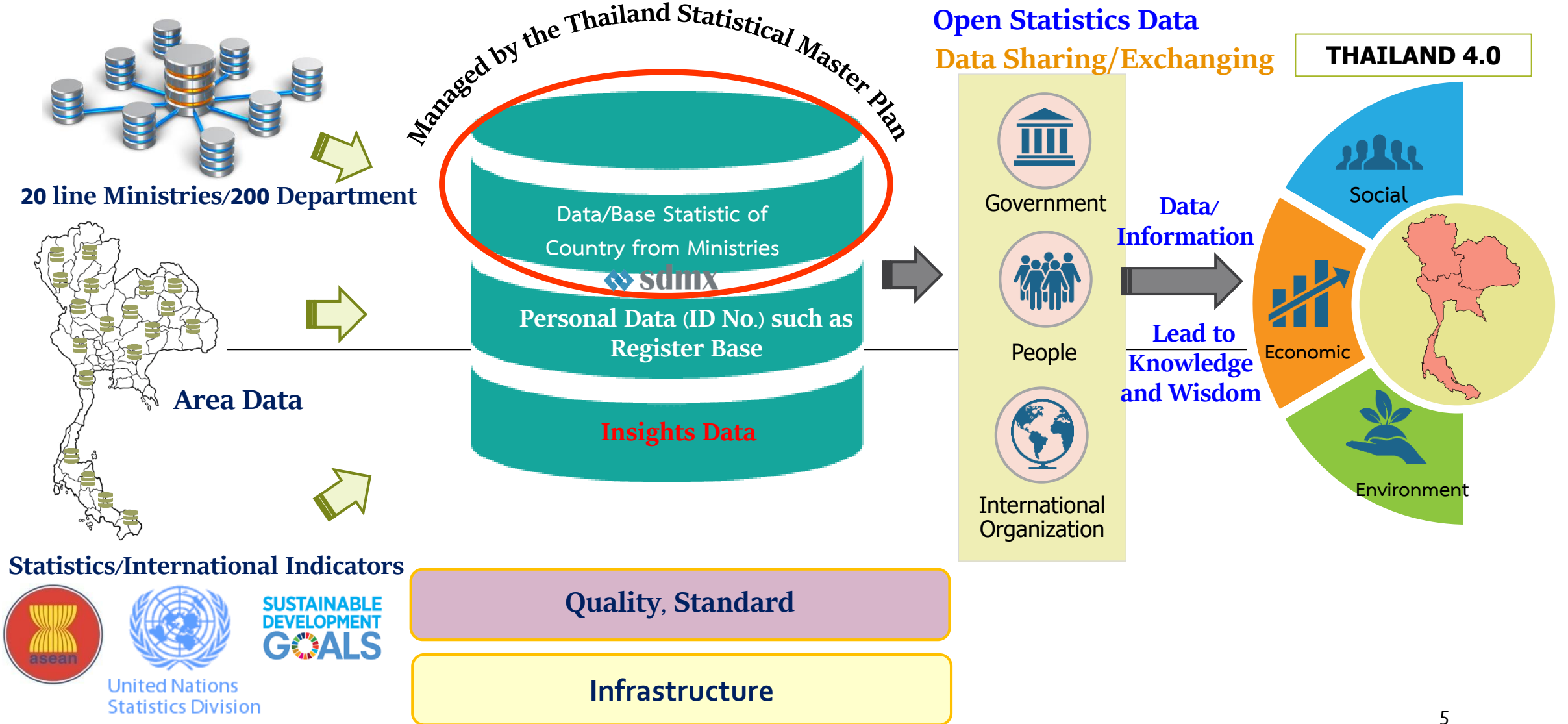
Thailand's statistics represent a joint effort of all government agencies that are driven by a shared goal to develop official statistics to guide and support national development.

MISSION

- **Manage national statistical system**
- **Promote the statistical production in accordance with the international quality standards**
- **Promote the services of statistical data** (Make effective use of technology in statistical production, dissemination and services)

Guidelines for management and Integration of Government Statistical Data Systems

Decentralized Statistical System





Thailand Interoperability Policy

“Interoperability” means the ability to automatically transfer and operate electronic data between different information systems.

“Thailand e-Government Interoperability Framework” (TH-e-GIF) is a national standard framework for all government units to use as a policy base in setting up technical specifications and procedures for electronic data exchange between information systems and services development.

SDMX Background IN TNSO



Implementing SDMX Country experiences

SDMX Exchange and dissemination in TNSO

- Success stories
- Lesson Learn
- Challenge
- Future Plan



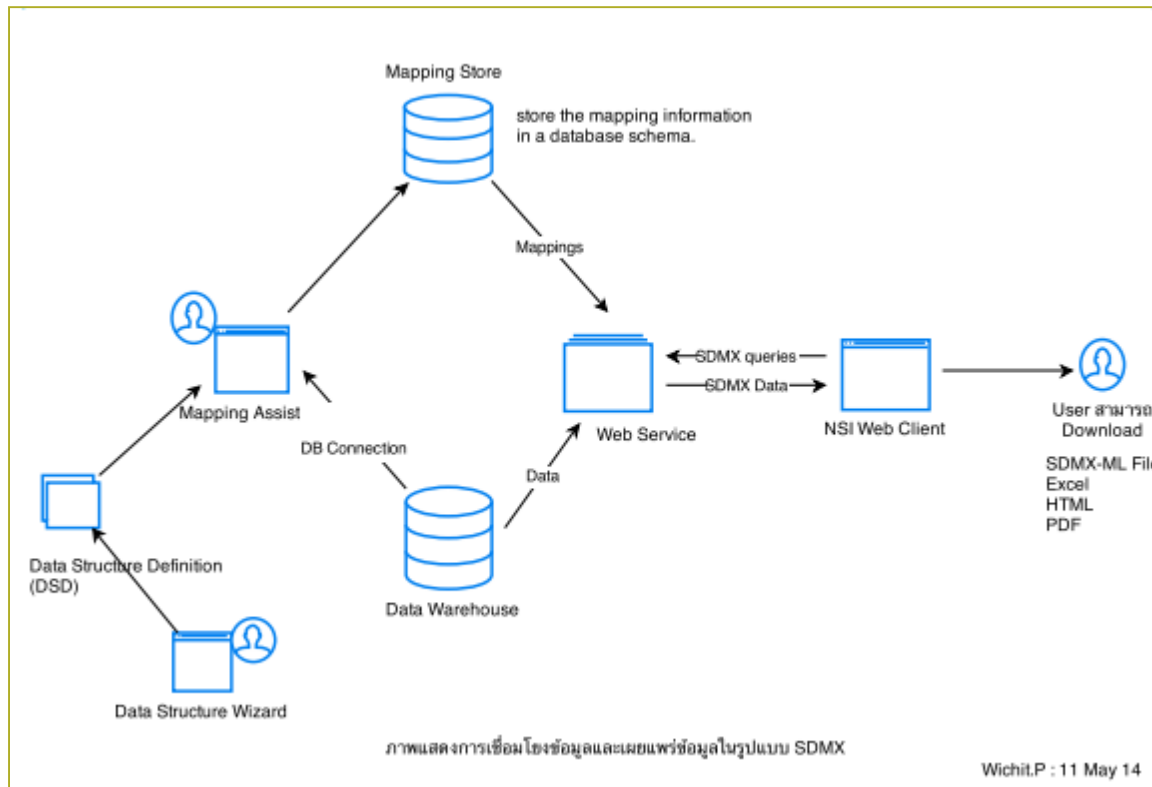
Implementing SDMX Country Experiences

- 2008 At the beginning data exchange stage in TNSO, “StatXchange” was an advanced data sharing system, developed by TNSO in format “statXML” to exchange statistic data among ministry in Thailand.
- 2011 TNSO Under UNSD-DFID project succeeded in using SDMX for exchange MDG Data to UN Country data website
- 2013 TNSO Implement SDMX in project by Design the system to collect Data and Metadata of the Official Statistics data (OS) from the Line Ministries 21 Themes.
- 2017 The technology infrastructure to support this mission was not flexible for users then this SDMX project was ended.



Adaptation Of The SDMX Under TNSO Context

Based on the SDMX Reference Infrastructure provided by Eurostat



Owner: Eurostat

- ✓ The SDMX-Reference Infrastructure (SDMX-RI)
- ✓ The Data Structure Wizard (DSW)
- ✓ Mapping Assistant
- ✓ Web NSI client (Using web service address)
- ✓ NSI Web service (understands and responds to SDMX queries)



Owner: Metadata Technology Fusion Registry

SDMX infrastructure and tools



SDMX: Success Stories in TNSO

- **The UN Preferred IT Technical Cooperation Programme:**
 - Knowledge sharing among National Statistical Offices
 - MDG SDMX Exchange data to UNDATA Country website
- **The own database system “statXchange v.1,v.2”**
- **The effort you have put into the implementation of data exchange in the last few years, when Thailand was no longer part of the UNSD-DFID project.**



SDMX: Lessons Learned in TNSO

- Lacked cooperation from the Line Ministries in providing data to TNSO system automatically.
- SDMX has not appeared widespread in Thailand/Many agencies do not recognize SDMX.
- SDMX capacity building should be always enhanced.
- Connectivity among statistical units must be improved.
- The variety of data source such as data collected in multiple ways and transmitted in various formats.



SDMX: Lessons Learned in TNSO

- Most of the stakeholders are not familiar with SDMX.
- Statistical units of the Line Ministries are not fully aware of mutual benefits.
- SDMX implementation requires high level policy involvement in settling provision agreement.
- Statisticians and IT persons need to work more synergized.
- The Quality of data/Data governance policy
- The new policy Changing the working style in the organization.



SDMX: Challenge

Key success Factor to Implement SDMX in country

- The strong cooperation from Line Ministry to enhance the statistic system of country.
- The policy initiative to improve Statistical Data and Metadata exchange using SDMX standard.
- The Provision Agreement of Departments/Ministry to exchange Statistical Data and Metadata.
- Data owners are seeing the benefits of disclosure (Open Data).
- Soft skills especially Communication skills.
- The Knowledge and competency of the person.
- The stable of Information technology system platform.
- Statistician and Technicians work harmonized.



SDMX: Possible TNSO next steps

- Improving the coordination of National Statistical Systems of Thailand
- Enhance knowledge & Skill set to Data Integration (Internal/External Data source)
(Structure data and Unstructure Data i.e Microdata, Big data etc.)
- Capacity building of SDMX training both IT /Statistician
- How can potentially be applied in Thailand towards improving data management and SDG monitoring?
- Collaborate Agency, Agency Support the activity on Implement The Statistical Data and Metadata eXchange (SDMX) in Thailand.
- Using Modern tools for the data management and dissemination in TNSO

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THANK YOU.

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Q&A Discussions

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