Regional Initiative on the Use of Big Data for Official Statistics and Transport

ASEAN-Japan Seminar on Utilisation of Mobile Phone Big Data for Transport Planning
Bangkok, 15 January 2020

ACSS Initiative on the Use of Big Data for Official Statistics

ACSS Big Data Updates

Increase awareness

- 1st Regional Workshop on the Big Data for Enhancing the ACCS Official Statistics, Singapore, 23-25 April 2019
  - Introduction to Big Data
  - Potential use of Big Data for official statistics
  - Current status on big data initiative/utilisation on AMS

Develop concept note

- Concept note will focus on increasing awareness and capacity building
- 2nd Regional Workshop on the ACSS Open Data Implementation Framework and Big Data for Enhancing the ACCS Official Statistics, will be conducted in march/April 2020
- Capacity Building on Big Data initiative under ASEAN-Help-ASEAN program
- Possible statistical domain for pilot project on Big Data utilisation for official statistic

Challenges

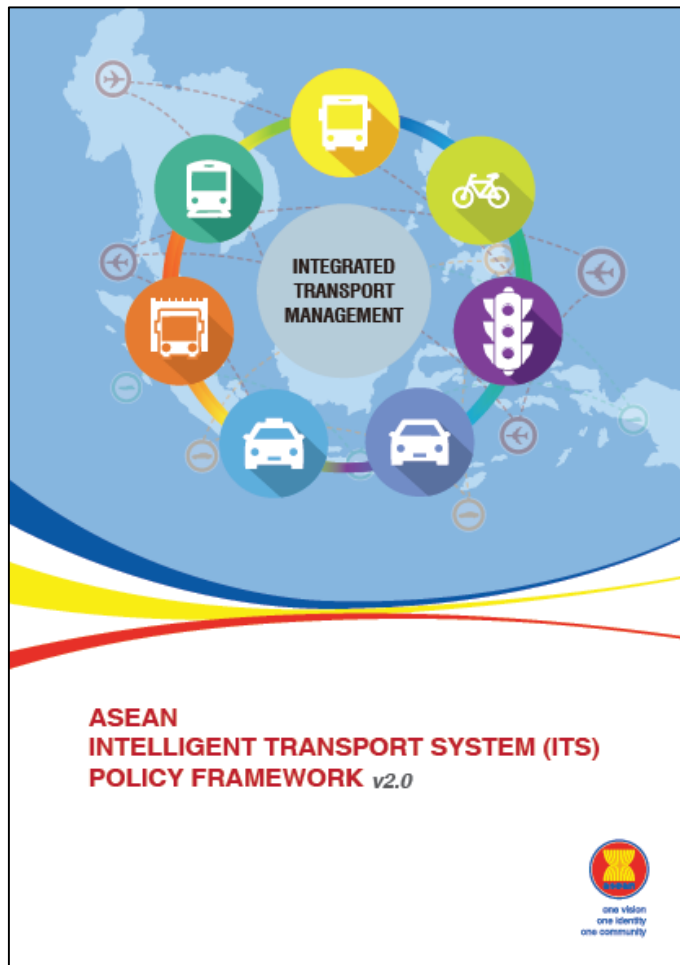| Datasource	Capacity	Methodology
• Availability • Quality • Accessibility	• Human resources • Infrastructure (technology etc) • Coordination and collaboration (governments, private)	• How to meet quality standard of official statistics

Varied among AMS

Relevant Regional Initiative on the Utilisation of Mobile Phone Big-Data in Transport Sector

➢ ASEAN Intelligent Transport System (ITS) Policy Framework v2.0

ASEAN INTELLIGENT TRANSPORT SYSTEM (ITS) POLICY FRAMEWORK v2.0

- adopted by ASEAN Transport Ministers in November 2016
- the updated and revised version of the ASEAN ITS Policy Framework v1.0
- sets out **guiding principles** for ASEAN Member States in identifying, planning, evaluating and facilitating ITS applications in their respective countries, taking advantage of the many potential benefits of ITS

Intelligent Transport System (ITS)

➢ ASEAN Intelligent Transport System (ITS) Policy Framework v2.0

Advancement in ITS Technologies

ITS for Traffic Data Collection

• Harvesting traffic information and data, such as the trip origin & destination, from mobile phone

ITS for Traffic Data Dissemination

• Real time in-vehicle routing guidance systems, provide dynamic traffic information through websites and mobile phones

ITS to Promote Public Transport Systems

• Traveler information system that allow for pre-trip information and real-time updates on buses/trains arrival time

Advancement in Traffic Light System

• Integrated traffic light networks that provide adaptive traffic measures across the entire traffic light network

ITS for Safety

• Supplementary vehicle control systems (e.g. cruise control, emergency braking, off-road alerts, etc.)

Integrated Traffic Information System

• Traffic information hub to facilitate the consolidation and integration of information gathered from various ITS

THANK YOU