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## Status and future directions of ASEAN transport statistics database

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- ▶ Future directions
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### Background

- ▶ Initial dataset compiled and disseminated by the ASEAN Secretariat on the ASEAN website
  - 1996-1999
    - ▼ Road transport
    - ▼ Rail transport
    - ▼ Civil aviation
    - ▼ Maritime transport

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### Current data holdings

#### ▶ ASEAN statistical database

A total of 28 indicators/tables

##### ▼ Road transport (6)

- ▶ Total road length, in km
- ▶ Length of paved roads, in km
- ▶ Total vehicle registration, in thousands
- ▶ Number of goods vehicle, in thousands
- ▶ Total number of vehicles per 1000 population
- ▶ Total number of goods vehicles per 1000 population

##### ▼ Rail transport (4)

- ▶ Route length, in km
- ▶ Number of passengers carried, annual, in km
- ▶ Passenger-kilometer, in millions
- ▶ Freight-kilometer, in million ton kilometer



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### Current data holdings

#### ▶ ASEAN statistical database

##### ▼ Civil aviation/air transport (10)

- ▶ Number of domestic airports
- ▶ Domestic passenger traffic, in thousands
- ▶ Domestic freight traffic, in thousand metric ton
- ▶ Aircraft traffic
- ▶ Number of international airports
- ▶ International cargo loaded, in thousand metric ton
- ▶ International cargo unloaded, in thousand metric ton
- ▶ Aircraft departure, in thousands
- ▶ Aircraft arrival, in thousands



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### Current data holdings

- ▶ ASEAN statistical database
  - ▼ Sea/maritime transport (8)
    - ▶ Number of domestic ports
    - ▶ Domestic passenger traffic, in thousands
    - ▶ Domestic cargo throughput, in metric ton
    - ▶ Domestic cargo throughput, in thousand TEU
    - ▶ Number of international ports
    - ▶ International passenger traffic, in thousands
    - ▶ International cargo throughput, in metric ton
    - ▶ International cargo throughput, in thousand TEU

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### Current data holdings

- ▶ ASEAN statistical database
  - ▼ Related/relevant indicators
    - ▶ Gross domestic product, in national currency, at current and constant prices
    - ▶ Gross domestic product in international dollar (PPP)
    - ▶ Gross domestic product per capita
    - ▶ Consumer price index and inflation, transport services
    - ▶ Exports and imports, by country of destination/origin, up to 6-digit level of the Harmonized System
      - 86 Railway or tramway, locomotives, rolling stock, track fixtures and parts thereof; mechanical & electro-mechanical traffic signal equipment
      - 87 Vehicles, (not railway, tramway, rolling stock); parts and accessories
      - 88 Aircraft, spacecraft, and parts thereof
      - 89 Ships, boats and floating structures

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### Data sources and dissemination media

- ▶ Sources of data
  - ▼ Websites and publications of transport ministries/agencies and national statistical offices
  - ▼ International sources
- ▶ Dissemination media
  - ▼ ASEAN Statistical Yearbook
  - ▼ ASEAN website

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### Assessment of current data holdings

- ▶ Incomplete data across countries and over time
  - ▼ Some of the official sources could not be identified.
  - ▼ Some of the assumed institutional sources do not websites or their publications are not available.
  - ▼ Some of the web sources are available only in the local language.

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**Assessment of current data holdings**

- ▶ Some of prior years' data are inconsistent with officially-published figures; could not be validated.
- ▶ Lack of information regarding comparability of data, e.g., no documentation of concepts, definitions, coverage, measurement, data releases, etc.
- ▶ No formal/structure mechanism for data sharing & dissemination, e.g., data requests are generally left unanswered.

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**Ongoing ASEAN Secretariat's initiatives**

- ▶ ASEAN statistics website and integrated database
  - ▼ Integrates all ASEAN statistics and databases, including the transport sector
- ▶  **aseantracks**  
ASEAN COMMUNITY PROGRESS MONITORING SYSTEM DATABASE
  - ▼ database system of the ASEAN Community Progress Monitoring System (ACPMS), will include priority integration sectors such as air transport; could be expanded to other sectors
- ▶ ASEAN working group on data dissemination and analysis
  - ▼ Covers all statistics relevant in regional policy work and ASEAN Community progress monitoring
  - ▼ Through the national statistical offices as country focal points

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**Related initiatives**

- ▶ ASEAN-Japan Transport Partnership Information Center
  - ▼ through the Japan Transport Cooperation Association
  - ▼ within the ASEAN-Japan Framework of Comprehensive Economic Partnership
    - ▶ Transport and Logistics - cooperation for efficient cargo transport system, safe and sustainable shipping and safe and efficient air transport
  - ▼ conducts expert group meeting
  - ▼ develops common data templates and guidelines, including a compilation of internationally-adopted definitions of transport statistical terms
  - ▼ develops and maintains a website of transport statistics of ASEAN member states and Japan

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**Indicators/data items of potential use and may be available**

- ▶ Road
  - ▼ Intra- and inter-country public and tourist buses, goods vehicles
  - ▼ Infrastructure - bridges and flyovers
  - ▼ Special vehicles
- ▶ Rail
  - ▼ Passenger coaches, cargo trains
  - ▼ Urban rail/commuter systems
- ▶ Air transport
  - ▼ Intra-ASEAN air passenger, cargo, and aircraft movement
- ▶ Water transport
  - ▼ Intra-ASEAN sea passenger, cargo, ship movement
  - ▼ River transport

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**Indicators/data items of potential use and may be available**

- ▶ Economic
  - ▼ Gross value-added
  - ▼ Establishments
  - ▼ Employment
  - ▼ Wages
  - ▼ Prices/Costs
  - ▼ Transportation services
  - ▼ Investment, financial and capital flows, capital formation/stock, private and public
- ▶ Logistics
  - ▼ Trade
    - ▶ Commodity flow
  - ▼ Tourism
    - ▶ Infrastructure
    - ▶ Transport modes/services

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**Rationale for transport statistics cooperation**

- ▶ Need for indicators for
  - ▼ Policy formulation and analysis in the transport sector
  - ▼ Progress monitoring
    - ▶ Overall transport sector development
    - ▶ Transport sector strategic measures under the AEC Blueprint, including logistics
    - ▶ ASEAN cooperation initiatives with dialogue and international development partners, e.g, Japan
- ▶ Need for statistical capacity building to
  - ▼ Promote information culture and institutional capacity building for generation, dissemination and analysis
  - ▼ Ensure steady supply of transport statistics in ASEAN
- ▶ Need to integrate ASEAN databases to support ASEAN integration and development initiatives
  - ▼ Covering all statistics on the relevant development sectors in ASEAN, including transport

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**Future directions – Interim/transitional phase (2008-early 2009)**

- ▶ Adoption of data sharing framework/reference
  - ▼ Adopt common data templates
  - ▼ Compile metadata
  - ▼ Formulate/follow data sharing & dissemination standards
- ▶ Build up the ASEAN transport statistics database using available data
- ▶ Data system assessment
  - ▼ Identify data quality and dissemination issues
  - ▼ Identify statistical capacity building needs
  - ▼ Recommend measures to address issues
- ▶ Expert meeting towards a formal/structured mechanism for data sharing & dissemination

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**Future directions – medium-term goals**

- ▶ Regional transport data network
  - ▼ Agreement on an official regular reporting system with common framework of indicators and standards
  - ▼ Discussion of shared issues and concerns
  - ▼ Exchange of good practices and experience
  - ▼ Provision of advisory services on transport statistics
- ▶ Publish a Compendium of Transport Statistics in ASEAN by 2010-2011
- ▶ Strategic plan for regional cooperation & development in transport statistics
  - ▼ Develop/enhance data collection methods/systems and instruments to address availability, quality, timeliness, and comparability issues
  - ▼ Establish database hub at the ASEAN Secretariat that is shared with/linked to DPs
  - ▼ Undertake statistical capacity building in the generation, management, & analysis of data

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### Resources needed

- ▶ Technical assistance at the initial stages
  - ▼ Workshop package and travel for the first few meetings
    - ▶ Meetings of the proposed working group of transport & logistics data compilers and statisticians
    - ▶ Training/workshops of transport & logistics data compilers and statisticians
  - ▼ Development of data collection/sharing system, including common classification/definition, electronic data exchange, database system, etc.
  - ▼ Development of progress monitoring indicators
- ▶ Indigenous resources
  - ▼ Meeting expenses by host country
  - ▼ Participation expenses
  - ▼ Training/workshop expenses

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