

ASEAN Logistics Network Map

Brief introduction of our study in 2006 and hereafter

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Session 3.2: Changing Logistics in East Asia: Experiments by JETRO's 'ASEAN Logistics Network Map'
Session 3: ISSUES AND CHALLENGES IN TRANSPORT AND LOGISTICS
CROSS-BORDER INFRASTRUCTURE MANAGEMENT:
Managing Regional Public Goods Seminar-Workshop

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Objectives of the study

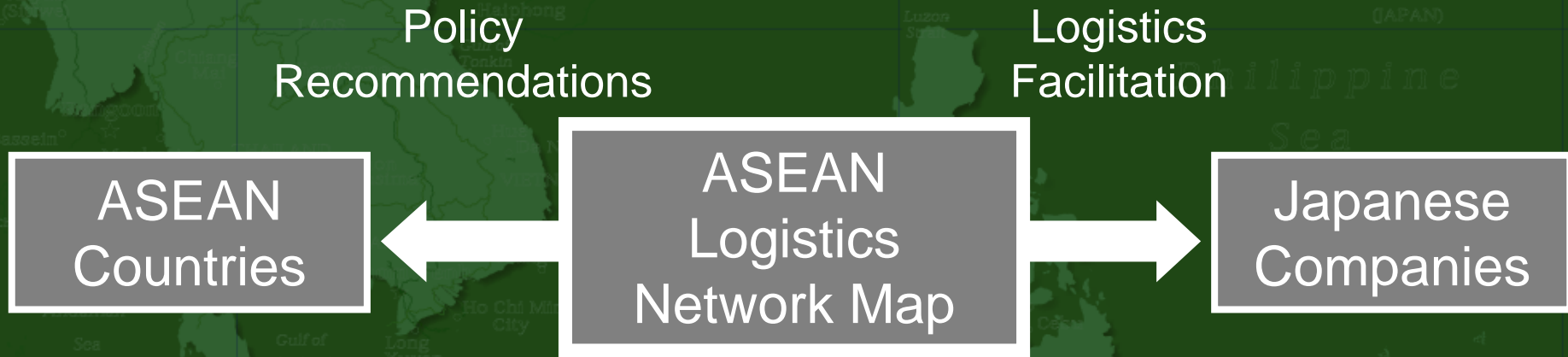
2 Objectives:

1. To provide useful information on logistics

2. To clarify the present situation of logistics network

- ✓ To identify bottlenecks
- ✓ To propose measures for improvements

Output image of the study



Strengthen competitiveness of ASEAN region and Japanese companies

JETRO will implement projects to solve bottlenecks.

Structure of the study (2006)



English version is now in preparation.

It'll be available at our online bookshop.

<http://books.jetro.go.jp/en/>

Route survey for 7 priority routes

- ✓ Transportation mode: land, sea, air
- ✓ Door-to-door cost and time are analysed by each phase of transportation.

AND

Logistics database (CD-ROM)

- ✓ Hard infrastructure & soft infrastructure
- ✓ User-friendly (works on web browser)

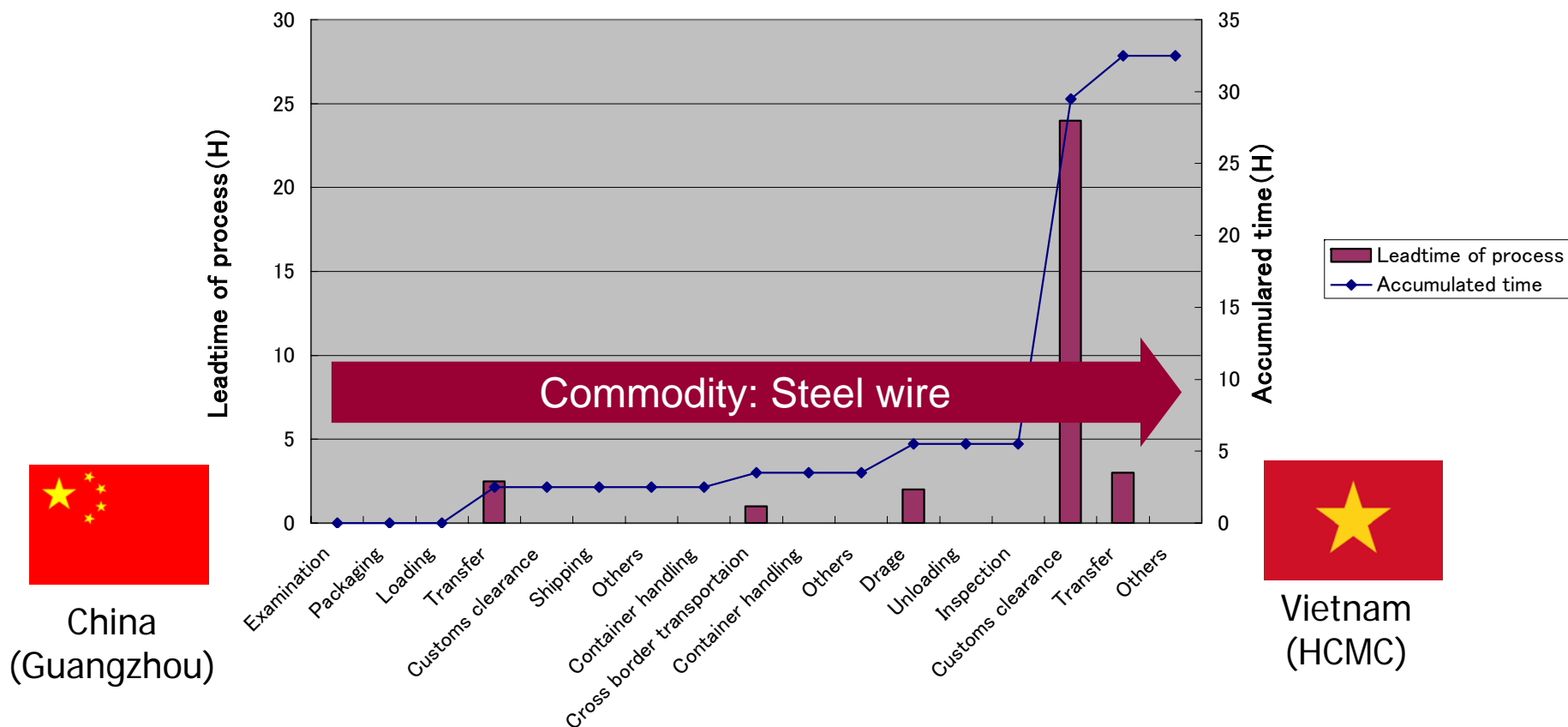
Route survey: surveyed routes



- Route 1: Thailand - Malaysia - Singapore
- Route 2: Thailand - Laos - Vietnam (Hanoi) (EWEC)
- Route 3: Vietnam - South China
- Route 4: Thailand - Myanmar (EWEC)
- Route 5: Thailand - Cambodia - Vietnam (Ho Chi Minh City)
- Route 6: Singapore - Indonesia
- Route 7: Thailand - Philippine

Route survey: data sample 1

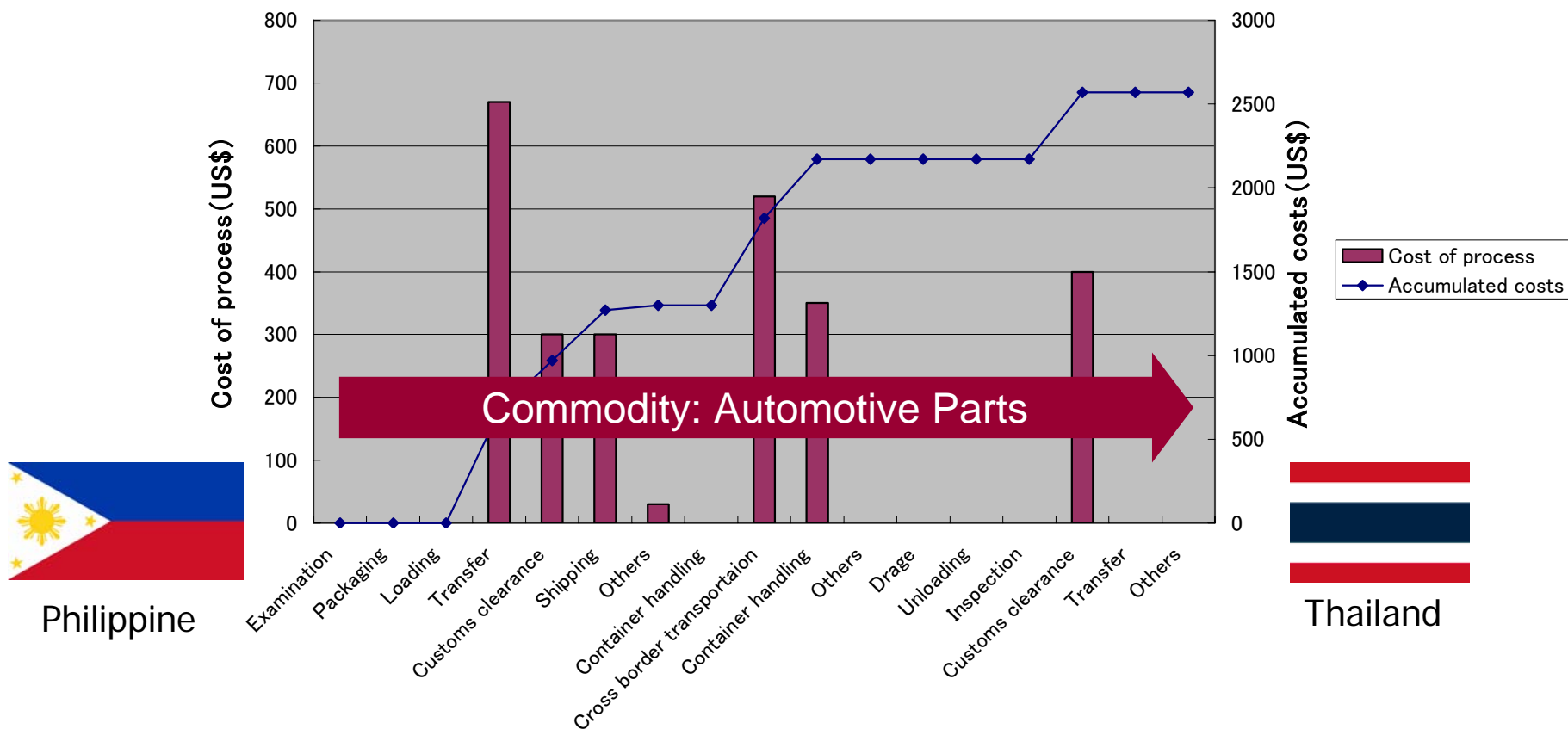
Transportation Time of Steel Wire from China to Vietnam by Air



In this sample, the import custom clearance in Vietnam takes most of the time, and it diminishes the merit of air transport.

Route survey: data sample 2

Transportation Cost of Automotive Parts from Philippine to Thailand by Sea



In this sample, the domestic transportation cost in Philippine holds the largest share, while customs clearance also costs much in both countries.

Database: screen layout

JETRO Japan External Trade Organization

ASEAN LOGISTICS NETWORK MAP 2006

ASEAN WIDE | BRUNEI | CAMBODIA | INDONESIA | LAO PDR. | MALAYSIA | MYANMAR | PHILIPPINES | SINGAPORE | THAILAND | VIET NAM

BACK TO HOME

Location of Major Ports

Select Country

Select Type of Information

Legend

- National capital
- Town, village
- International Boundary
- Provincial Boundary
- Main road
- Major Port
- Other Port

0 50 100 150 200 km
0 50 100 150 mi

Strait of Malacca

South China Sea

THAILAND

MALAYSIA

INDONESIA

SINGAPORE

Port Kelang

Kuala Lumpur

Kuantan

Kemaman

Tanjung Pagar

Singapore (Jurong)

Singapore (SPA)

Pasir Gudang

Bintulu

Sibu

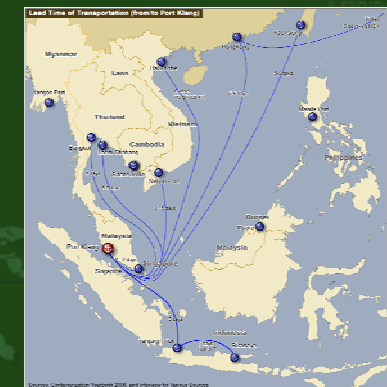
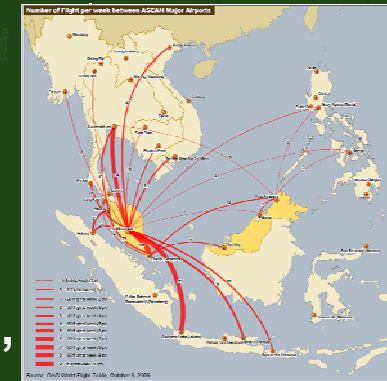
Kuching

Singawang

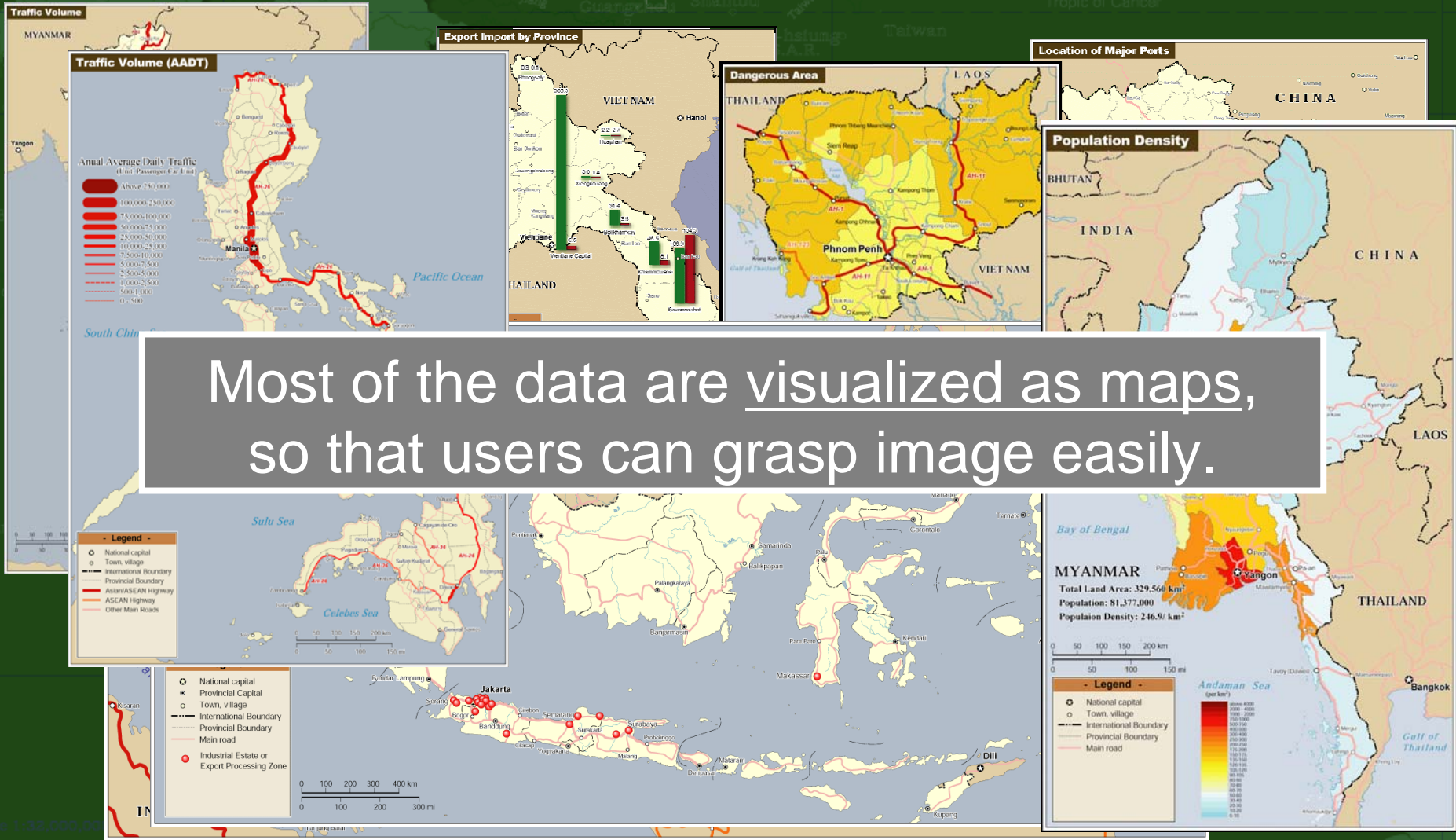
Tawai

Database: collected data

- ✓ **Basic Information**: Basic Information, Intra ASEAN Trade, Development Projects, Population Density, Dangerous Areas, etc...
- ✓ **Road Information**: Major Road Network, Basic Information, Traffic Volume, No. of Lanes, Surface Condition, Vehicle Capacity Ratio, etc...
- ✓ **Port Information**: Major Port Location, Basic Information, Lead time to Major Ports, Container Movement, Freight Rate, etc...
- ✓ **Air Port Information**: Major Air Port Location, Frequency of Flight, Lead time to Major Air Ports, etc...
- ✓ **Railway Information**: Railway Network, Basic Information
- ✓ **Regulations/Procedures**: Custom Procedures, EDI, Legal System, Logistics Education, etc...
- ✓ **Logistics Column**: Hot Issues concerning Logistics in ASEAN



Database: sample maps 1



Most of the data are visualized as maps, so that users can grasp image easily.

Our study in 2007

We need to improve data accuracy to enhance reliability.

To focus on 3 routes

- ✓ Thailand – Malaysia – Singapore – Indonesia
- ✓ Thailand – Laos – Vietnam – South China
- ✓ ASEAN – India

To look at not only *cost* and *time* but also *quality* (i.e. damage, delay, etc)

To conduct trial transportation

Policy Recommendations

Suggestion for improvement & showing improvement effect

We need your cooperation from ASEAN-side
to collect and update data !!!