Research Project

Synthesizing the Impact of Thailand’s Logistics Infrastructure Management and Supply Chain Redesign within the context of the ASEAN Economic Community (AEC)

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As transport is viewed as a priority mode of connectivity, ASTP is expected to input several key strategies to enhance ASEAN Connectivity.

Out of the comprehensive, though still tentative, list of goals and actions proposed in the Midterm Report of ASTP and its update, we would like to propose the followings as key transport strategies to enhance ASEAN’s connectivity. The order reflects the proposed priority.

<table>
<thead>
<tr>
<th>Strategies for Connectivity Master Plan</th>
<th>Goals proposed in ASTP Midterm Report</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Strategy 1</td>
<td>TF-Goal 1</td>
<td>Fully operationalize three Framework Agreements on transport facilitation</td>
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<td>Strategy 2</td>
<td>LT-Goal 2</td>
<td>Establish integrated ASEAN Highway Network.</td>
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<td>Strategy 3</td>
<td>MT-Goal 1</td>
<td>Accomplish the efficient and competitive maritime transport system.</td>
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<td>Strategy 4</td>
<td>AT-Goal 1</td>
<td>Establish ASEAN Single Aviation Market (ASAM).</td>
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<tr>
<td>Strategy 5</td>
<td>LT-Goal 1</td>
<td>Accomplish the implementation of Singapore Kunming Rail Link (SKRL) project.</td>
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<td>Strategy 6</td>
<td>TF-Goal 1 LT-Goal 10 MT-Goal 6</td>
<td>Establish harmonized, integrated, and seamless multimodal transport system.</td>
</tr>
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</table>
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- Logistics Infrastructure Research
- Supply Chain Redesign Research (Electronics, Garment, Automobile, LSPs)
- Geographical Simulation Model: GSM
- Competitiveness Model
- Policy Recommendation for Government and Information for Private Sector
• To simulate the dynamics of population and industries for long-term
• To analyze the effects of infrastructure projects and customs facilitation on the economic activities at prefecture level

13 Countries
1,650 regions
3,109 nodes
5,099 routes
Road: 4,114
Sea: 535
Air: 332
Rail: 118

Source: ERIA Report
Economic Impacts of the **Dawei** (2030)
(Scenario 1, compared with the baseline)

Economic Impacts of the **Dawei, Pak Bara**
and **Dawei + Pak Bara** (2030)

Source: ERIA Report

GSM is a simulation model based on Spatial Economic, aka New Economic Geography.
Transport Infrastructure: Thailand

2.01 Quality of overall infrastructure

2.02 Quality of roads

2.03 Quality of railroad infrastructure

2.04 Quality of port infrastructure

2.05 Quality of air transport infrastructure

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Q & A

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