

Policy Analysis and Report on Thailand's Transport and Climate Change Gap Analysis

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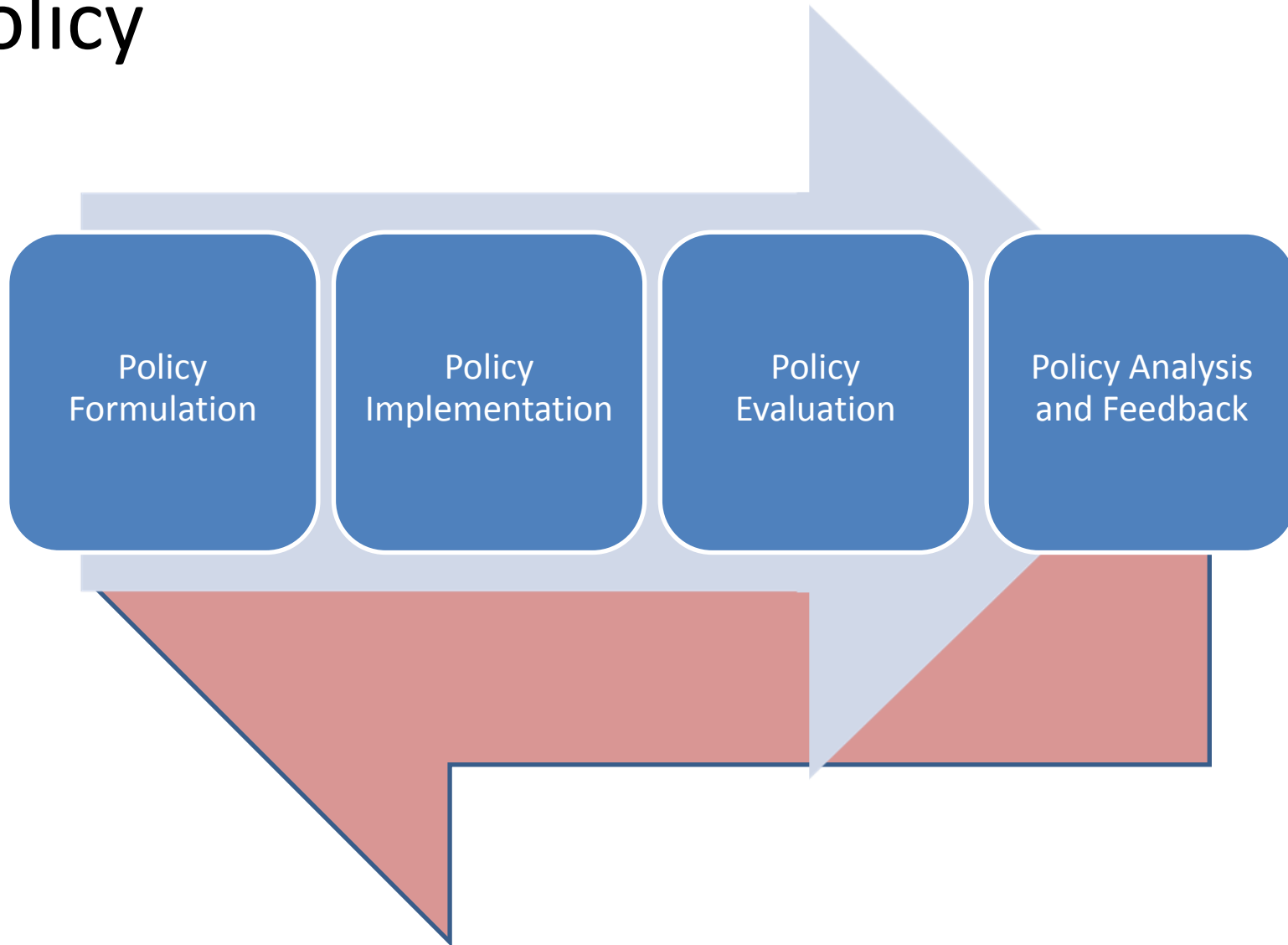


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Policy





Policy Analysis

Process

Substantive
(Content)

Logic

Postpositivist

Historical

Ideological

Participatory

Normative



Policy Evaluation

Effectiveness

Satisfaction

Effectiveness	
Output	Outcome
Efficiency	
Budget saving	Cost/Unit

Adequacy

Responsiveness

Equality

Appropriateness



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Gap Analysis

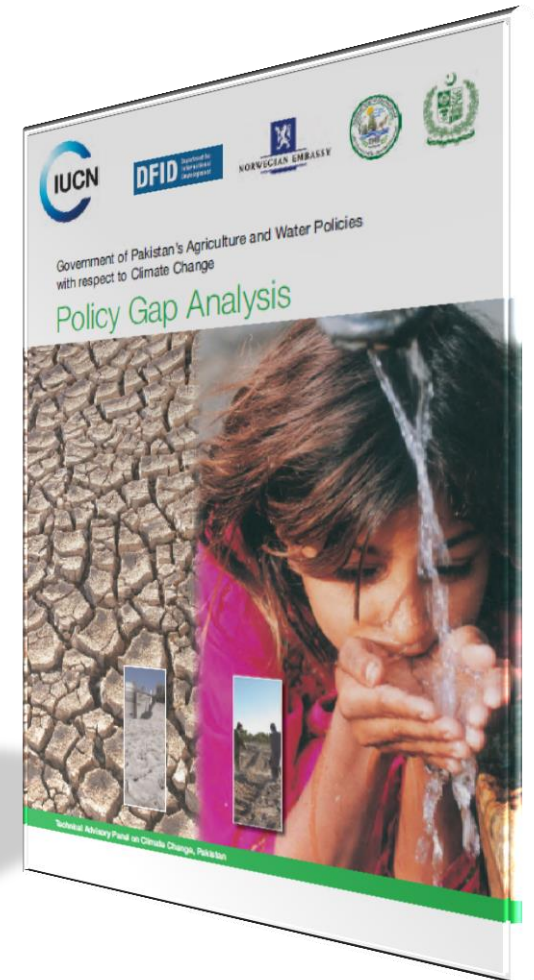
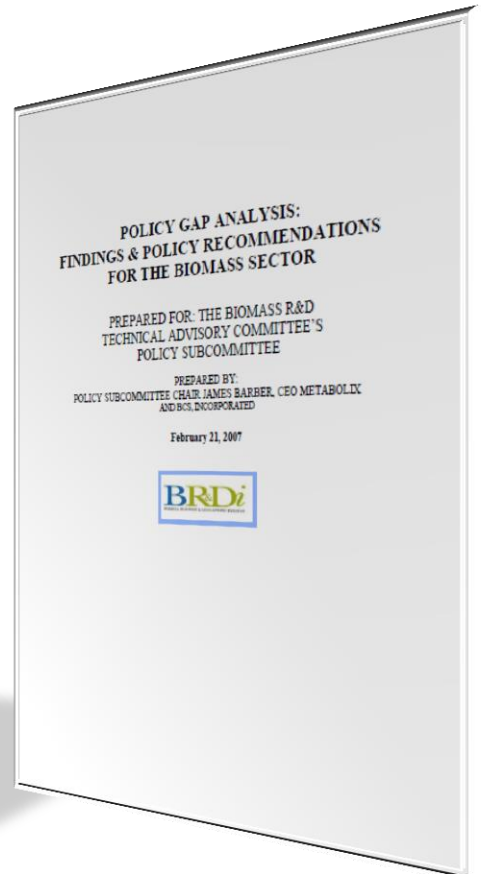
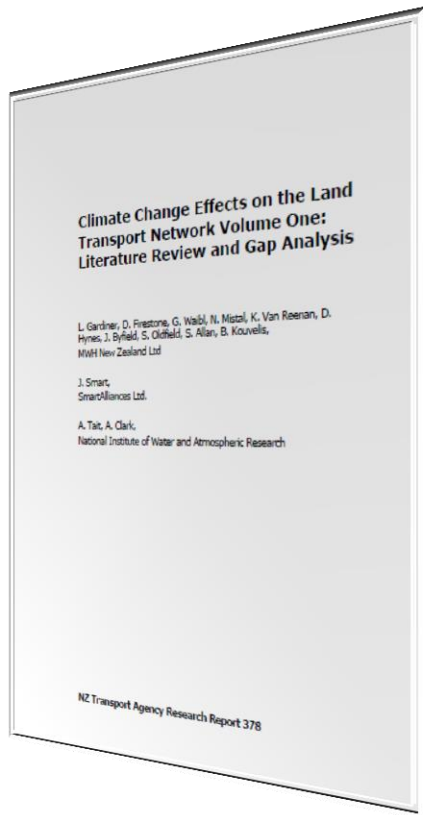
- is to analyze existing policies impacting transport and climate change and to evaluate their effectiveness. It also is to identify policy gaps which exist, to develop recommendations
- Policies are surveyed, and analysed.
- Ultimate goal : **WAY FORWARD**



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- Gap Analysis

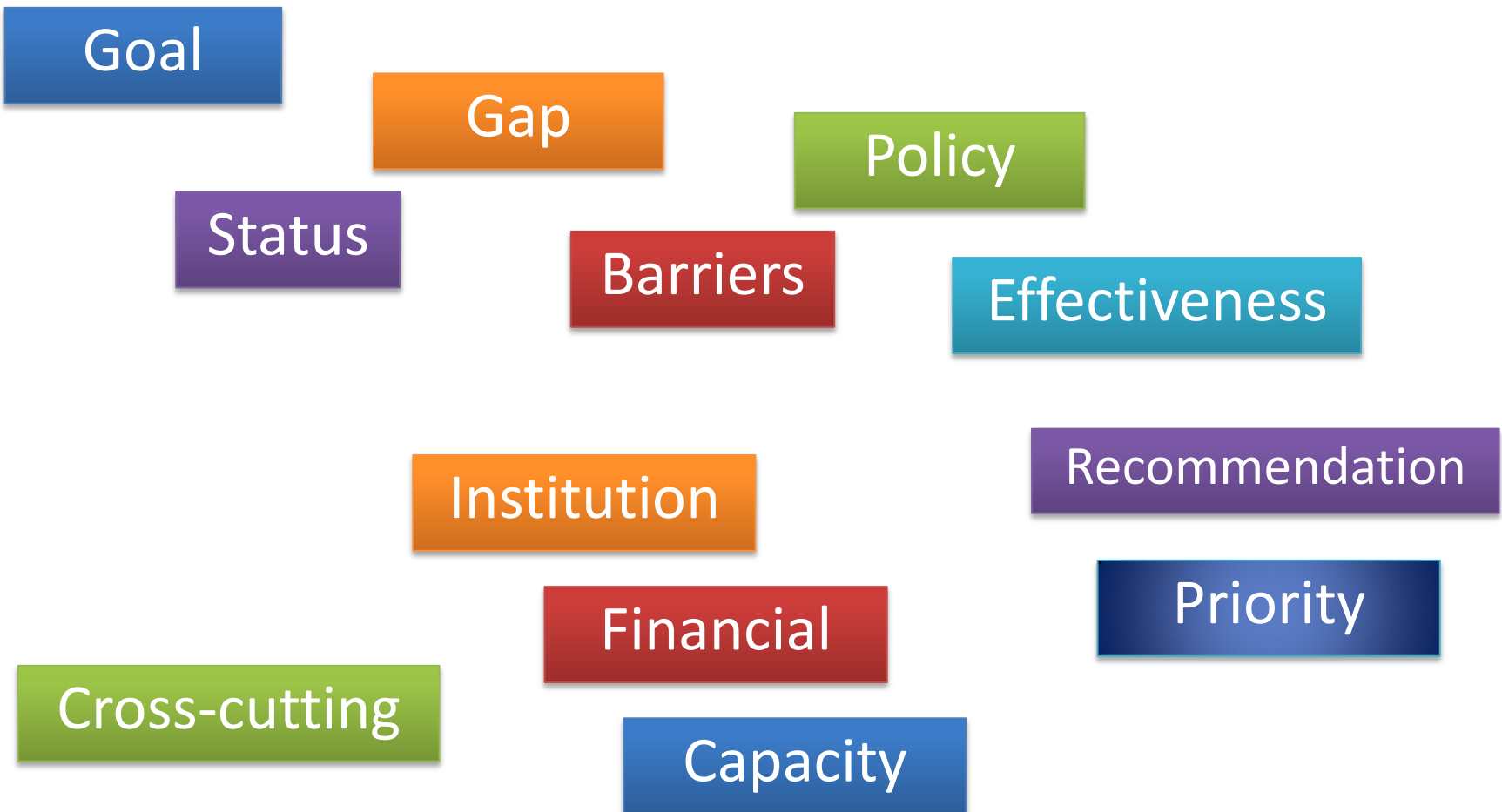




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Gap Analysis





Comprehensiveness of Policy/Plan

Three steps :

1. Review existing policies/strategies
 1. MOT
 2. MOE
 3. MNRE
2. Extract existing policies
3. Analyse gaps



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Comprehensiveness of Policy/Plan



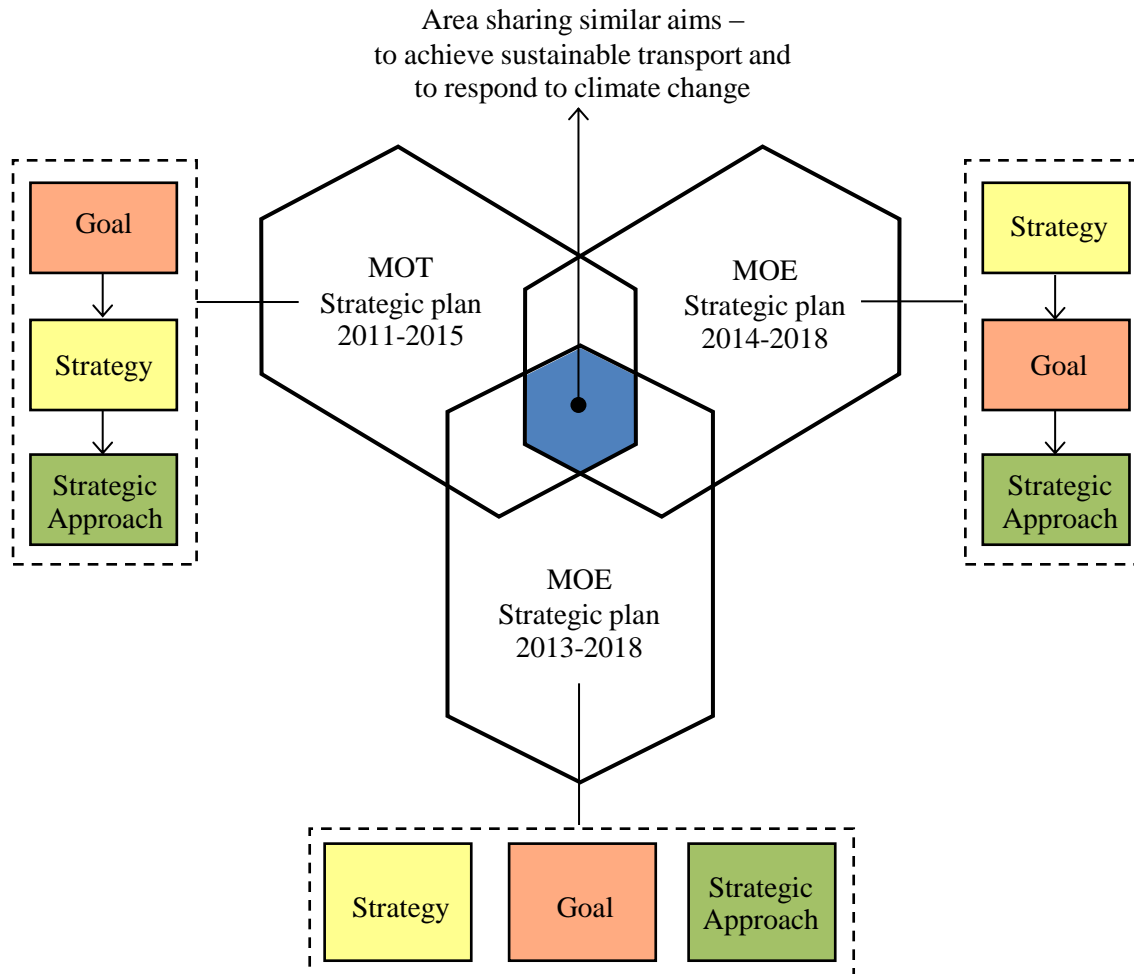


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Review existing policies/strategies



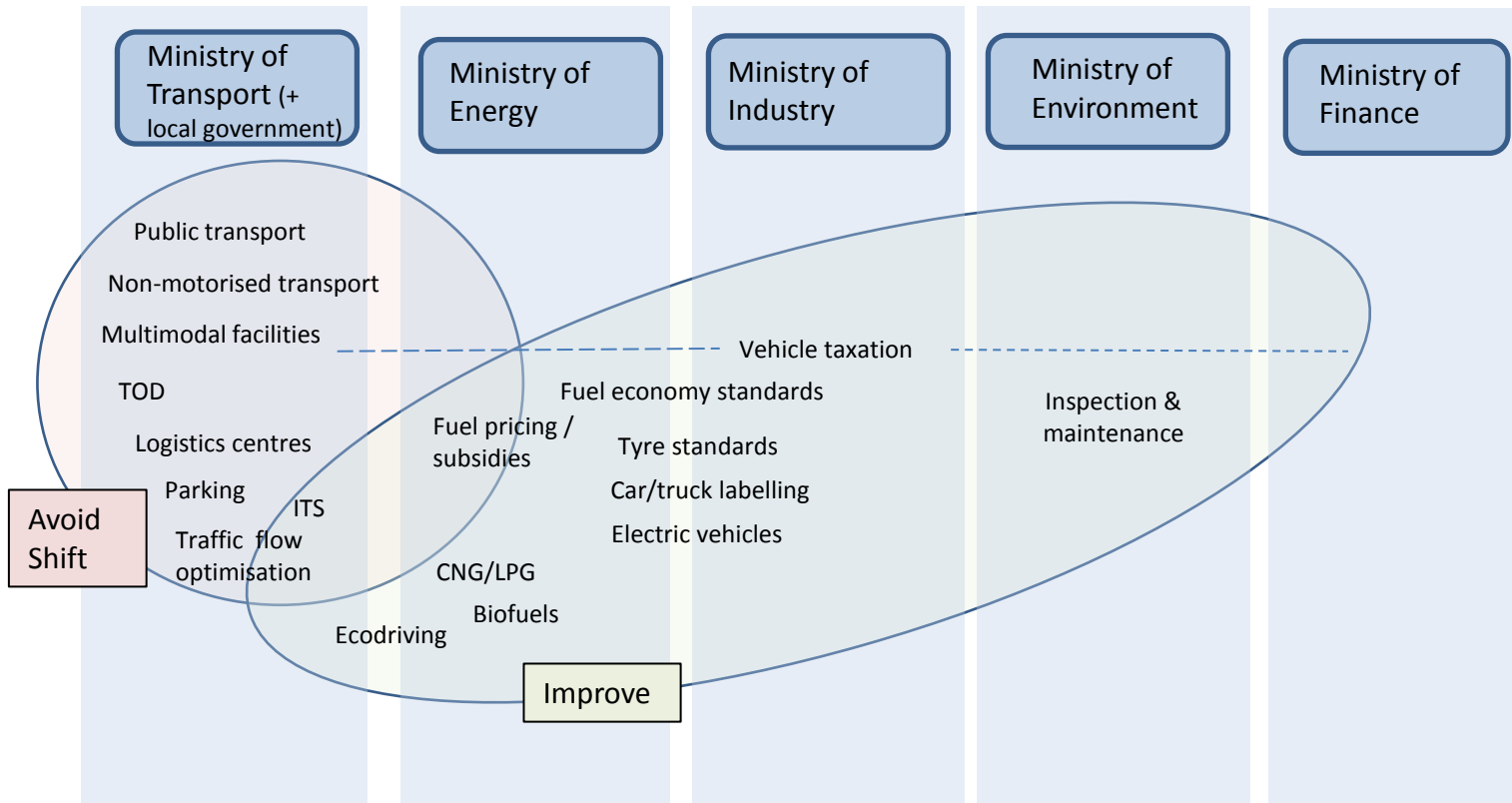


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Transport & Climate Change policies in Thailand: Ministries responsible for development & implementation



Climate Change Master Plan
(by Ministry of Natural Resources and Environment)

Avoid: Transport Demand Management
Shift: NMT + public transport infrastructure
Improve: efficient vehicles



A driver for

Environmental Sustainable Transport Master Plan
(by Ministry of Transport)

Avoid &
Shift

The Renewable and Alternative Energy
Development Plan (by Ministry of Energy)

20-Year Energy Efficiency Development Plan
(by Ministry of Energy)

Improve

Improve



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Status of policies/strategies

- Partially implementation
- Planned/Planning
- Studied/Intended
- Not intended in the near future

Partially implemented/Implemented but discontinued

- Three in one policy/high-occupancy vehicle lanes
- Real-time public transport information
- Bus route optimization and prioritization
- Low-emission zones
- Pipelines

Planned/Planning

- Certification system for low-carbon companies (Voluntary carbon reduction program)
- Intelligence Transport System (ITS)
- Transit-Oriented Development (TOD)
- Bike sharing
- Master planning for PT/NMT
- Integrated ticketing
- Non-urban rail improvements
- Urban PT infrastructure
- Improve logistics centres and their location
- Master planning for rail and water

Studied/Intended

- Certification system for low-carbon companies (Voluntary carbon reduction program)
- Mixed-use planning
- High-speed rail infrastructure
- Urban PT infrastructure
- Car labelling

Not intended in the near future

- Road pricing
- Integrated land-use planning
- Parking management
- Parking pricing
- Public transport fare level/structures
- Incentive for public transport (PT) investments (operations)
- Car sharing
- Non-Motorized Transport (NMT), PT friendly building regulations
- Regulatory and physical restrictions on car use
- Import restriction for inefficient vehicles
- Vehicle scrapping/fleet replacement
- Fuel economy/emission standard
- EV/hybrid/hydrogen infrastructure
- Tyre standard
- Aerodynamics standards



Policy Analysis Criteria (Ministry Strategic Plan)

- 1) Overall strategic vision of sustainable transport (if applicable)
- 2) Description of measures: how elaborate are they described?
- 3) Prioritisation of measures
- 4) Responsibilities: is it clearly described who does what? (level of commitment)
- 5) Budget allocation
- 6) Implementation plan and timeline
- 7) Cost effectiveness
- 8) Estimated GHG impact (direct and indirect)
- 9) Monitoring and evaluation provisions (indicators, data, gathering, process)

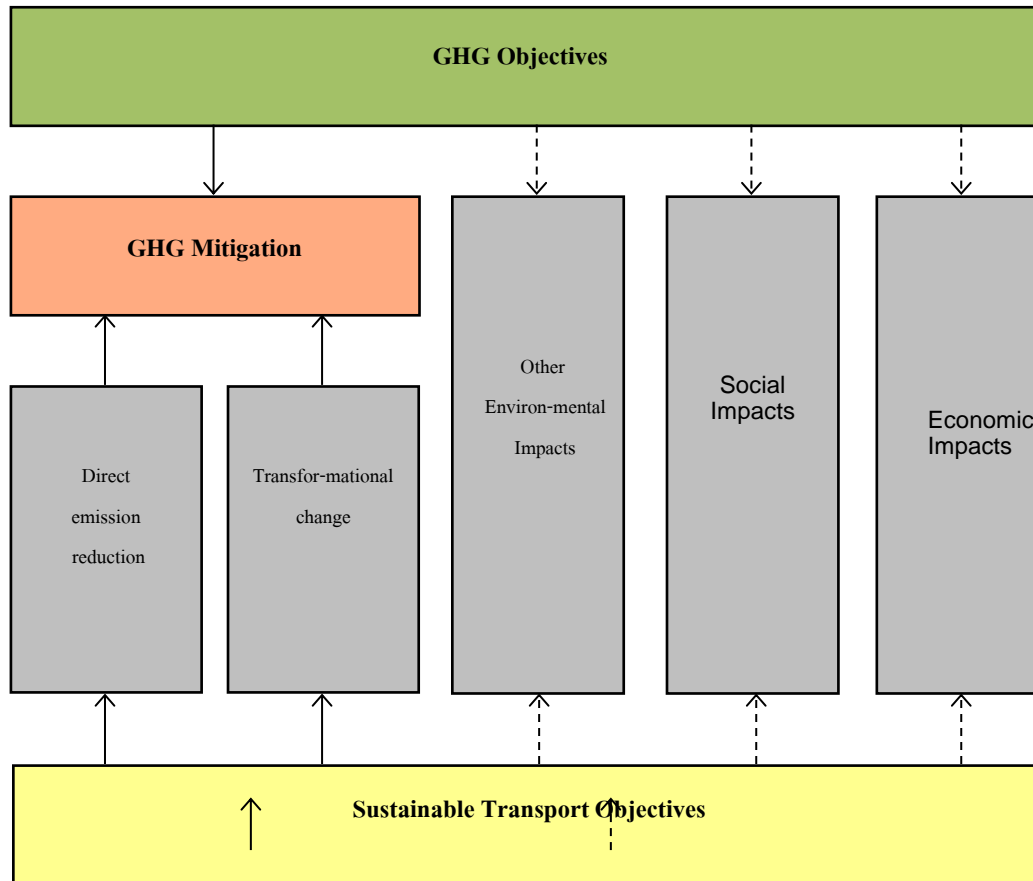


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Alignment with GHG objectives





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Five policy areas are analysed

- 1) Rail
- 2) Bike and Walk
- 3) Private Car
- 4) Freight
- 5) ITS

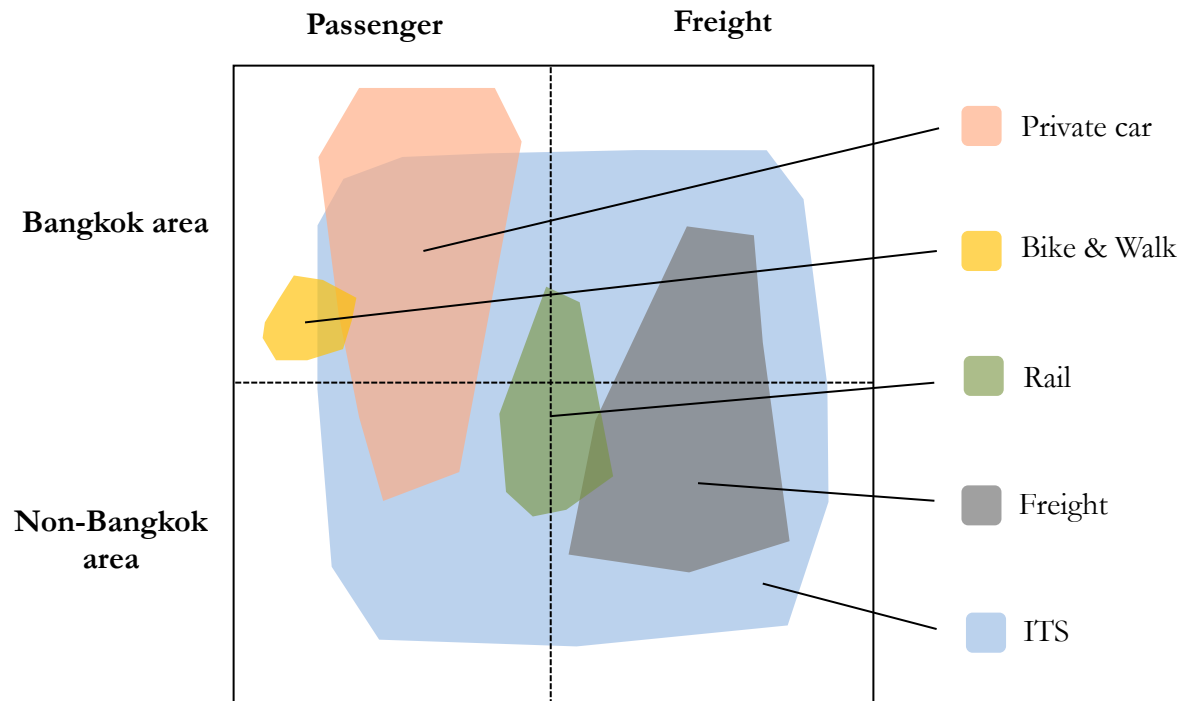


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Policy Mapping





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Gaps identified :

- 1) Political commitment
- 2) Financial issues
- 3) Information barriers
- 4) Institutional barriers
- 5) Technical/technological barriers
- 6) Lack of capacity
- 7) Participation
- 8) Integration policy package in the future