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

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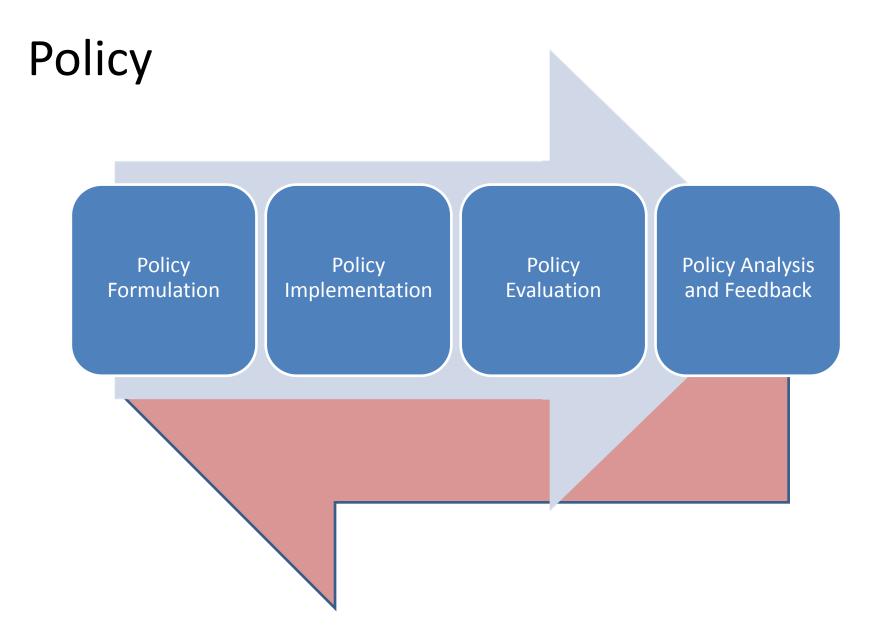








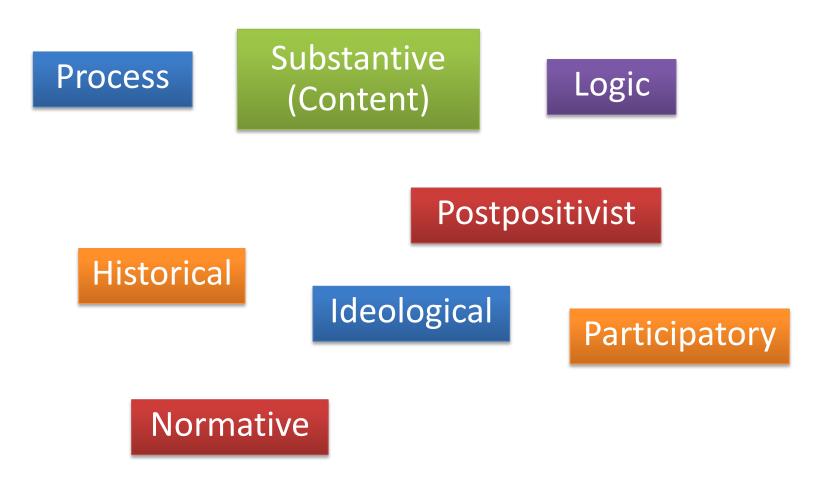








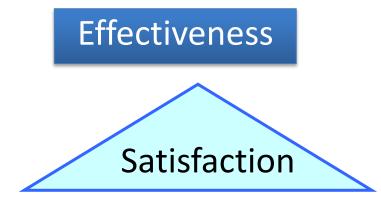
Policy Analysis







Policy Evaluation



Effectiveness

Output Outcome

Efficiency

Budget saving Cost/Unit



Appropriateness





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





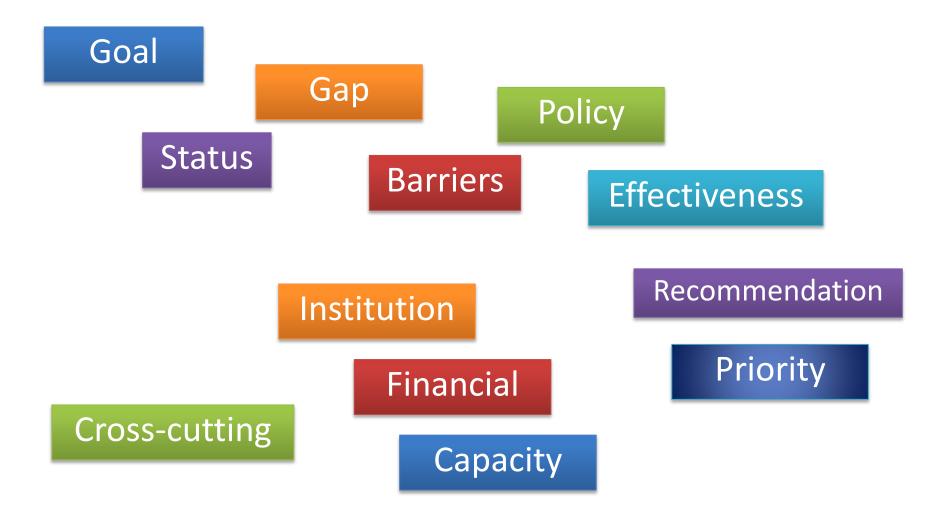
• Gap Analysis







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





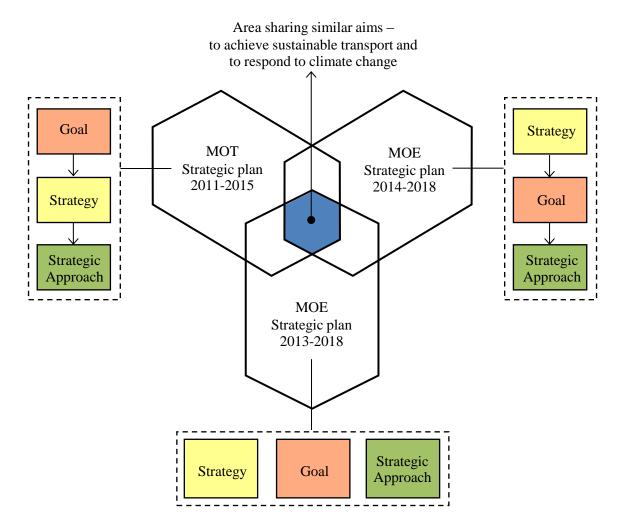
Comprehensiveness of Policy/Plan







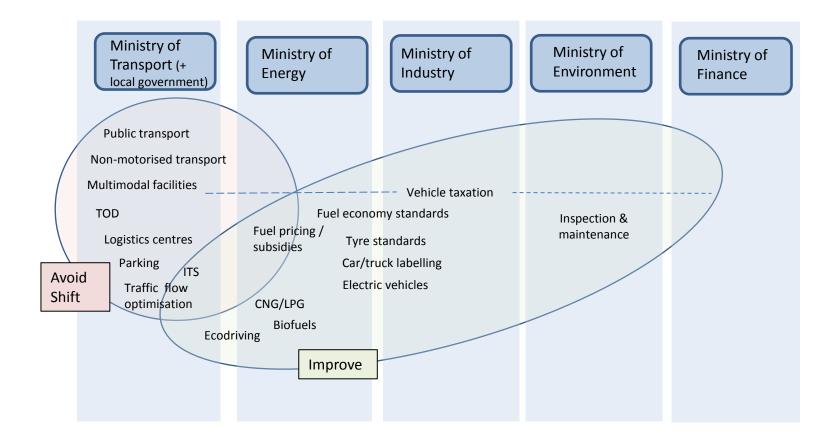
Review existing policies/strategies

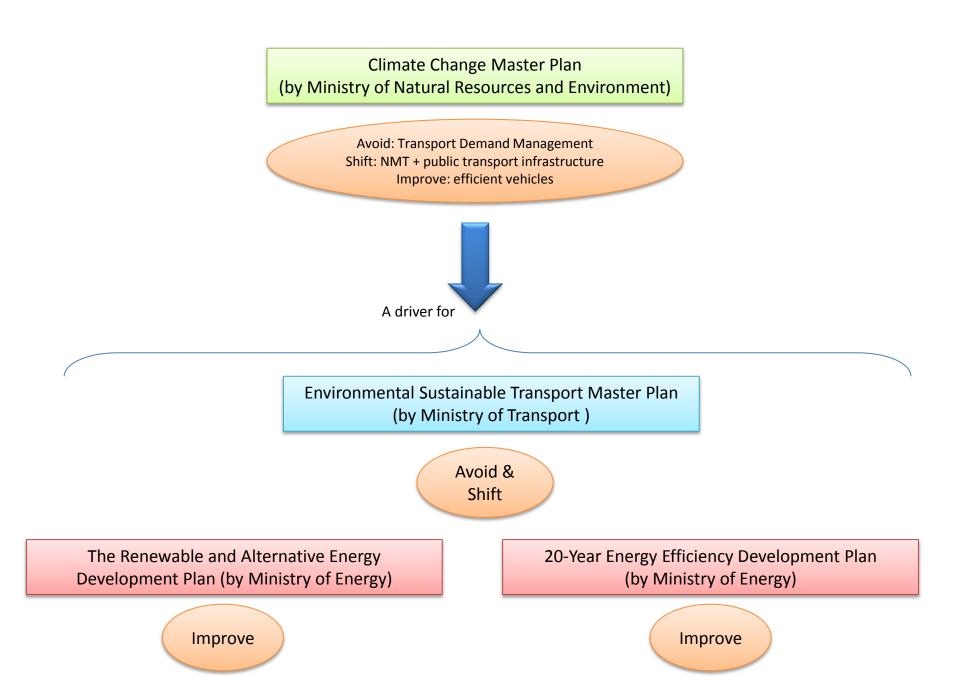






Transport & Climate Change policies in Thailand: Ministries responsible for development & implementation









Strategies Orientation

- •transport infrastructure,
- •transport-related energy management,
- •research and development in clean energy and zeroemission vehicle,
- •alternative energy,
- •application of technology,
- •pollution management,
- •decrease in greenhouse gas emission,
- ·low-carbon model community,
- •participation, knowledge, and awareness in clean and alternative energy,
- •network among organizations, and
- •tools and mechanism in coping with climate change.

						Strategic Orien	itation				
Fafightature	port brindinature	port-related energy management	Research and development in clean every grand weld on weld on	ative energy	ation of technology	ranopress	ase in greethou se gas entesion	on-carbon no del community	writipation, lessed dp, and average in lean and aftern silve energy.	warong ogwizelow	odis and mechanism in coping with immo chinge
	Tea transmission	<u>.</u>	Press Press Press Press		Applicat	Pollution	Deco		Partic	Meteo	10 Land
CD2 based fuel pricing/boation system		•									•
Fuel subsidy reduction		•									
Read pricing											•
Integrated land-use planning											•
Certification system for low-carbon companies. (Voluntary carbon reduction program)							•			•	
Emissions monitoring system							•				
Parking management											•
Intelligence Transport system (ITS)					•						
Transil-Oriented Development (TOD)	•										
Parking pricing											•
Public transport farelevel/structures											
Incentives for public transport (PT) investments (operations)											
Dike sharing	•										
Carsharing									•		
Non-Motorised Transport (NMIT), PT friendly building regulations	•										•
Three in one policy/high-occupancy vehicle lanes											•
Regulatory and physical restrictions on car use											•
Residime public transport information					•						
Campaigna											•
Nuster planning for PT/NMT	•										
Bus route optimization and prioritization	•										
Integrated toketing					•					•	
Musd-use planning											•
Cycing infrastructure	•										
Park and ride	•										
Walking infrashucture	•										
Nan-urban rail improvements	•										
High-speed rail infrastructure	•										
Uthan PT Infrastructure	•										
Tax incentives for efficient whicles											•
Import restriction for inefficient vehicles											•
Vehicle scrapping/feet replacement											
Puel economy/emission standard									•		
Inspection and maintenance											•
Speed Imita/management									•		•
Low-emission zones						•					•
Ecodning		•				•					•
Traffic information					•						
Car bibling									•		
Traffic controlinatio flow improvement					•						
EV/tybrid9tydrogen infrastructure		•		•							
Low carbon fuel (1"/2" gen Biofuel, CNG, LPG)		•		•							
Ppaires	•										
Empty having reduction					•					•	
Improve logistics centres and their location	•										
Lorry vesticitions											•
Meater planning, for rail and water	•										
Multimodal Tacilities/dry ports	•										
Tyre standards									•		•
Aerodynamics standards									•		•
B	· · · · · ·										





Status of policies/strategies

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

Three in one policy/high-occupancy vehicle lanes	Low-emission zones						
Real-time public transport information	Pipelines						
Bus route optimization and prioritization							
anned/Planning	_						
Certification system for low-carbon companies	Integrated ticketing						
(Voluntary carbon reduction program)	Non-urban rail improvements						
Intelligence Transport System (ITS)	Urban PT infrastructure						
Transit-Oriented Development (TOD)	Improve logistics centres and their location						
Bike sharing	Master planning for rail and water						
Dire sharing							
Master planning for PT/NMT							
0	High-speed rail infrastructure						
Master planning for PT/NMT Studied/Intended Certification system for low-carbon companies	High-speed rail infrastructure						
Master planning for PT/NMT Studied/Intended Certification system for low-carbon companies (Voluntary carbon reduction program)	 High-speed rail infrastructure Urban PT infrastructure 						
Master planning for PT/NMT Studied/Intended Certification system for low-carbon companies (Voluntary carbon reduction program) Mixed-use planning	 High-speed rail infrastructure Urban PT infrastructure 						
Master planning for PT/NMT	 High-speed rail infrastructure Urban PT infrastructure Car labelling 						
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 Master planning for PT/NMT Studied/Intended Certification system for low-carbon companies (Voluntary carbon reduction program) Mixed-use planning Not intended in the near future Road pricing Integrated land-use planning Parking management Parking pricing 	 High-speed rail infrastructure Urban PT infrastructure Car labelling Regulatory and physical restrictions on car u Import restriction for inefficient vehicles Vehicle scrapping/fleet replacement Fuel economy/emission standard 						





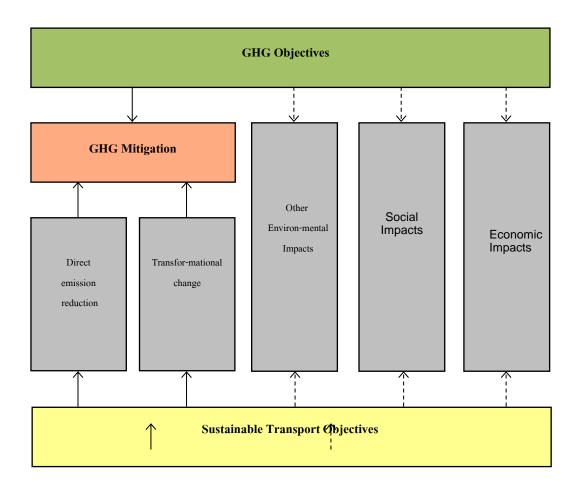
Policy Analysis Criteria (Ministry Strategic Plan)

- 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)





Alignment with GHG objectives







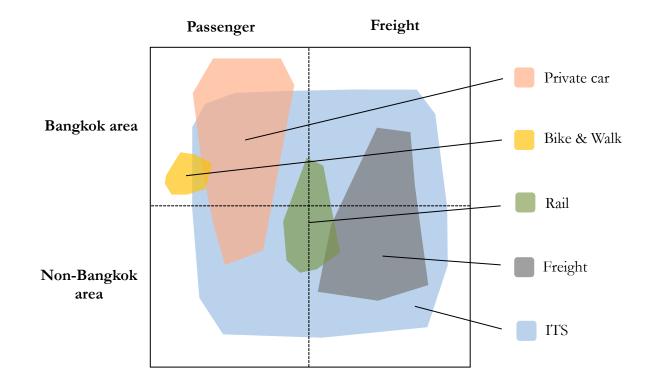
Five policy areas are analysed

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





Policy Mapping







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