#### **Eighth Regional EST Forum in Asia**

(Integrated Conference of BAQ2014 and Intergovernmental Eighth Regional EST Forum in Asia)

"Next Generation Solutions for Clean Air and Sustainable Transport -Towards a Livable Society in Asia" 19-21 November 2014, Colombo, Sri Lanka

#### **Country Report**

(Draft)

<Viet Nam>

This country report was prepared by Viet Nam as an input for the Eighth Regional EST Forum in Asia. The views expressed herein do not necessarily reflect the views of the United Nations.

# Country EST Report

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- b) Name, Designation and Line Ministry/Agency Respondent: Nguyen Thi Thu Hang, Deputy Director General, Department of Environment, Ministry of Transport
- c) List other Line Ministries/Agencies contributing to preparation of the Country Report:

With the objective of demonstrating the renewed interest and commitment of Asian countries towards realizing a promising decade (2010-2020) of sustainable actions and measures for achieving safe, secure, affordable, efficient, and people and environment-friendly transport in rapidly urbanizing Asia, the participating countries of the Fifth Regional EST Forum in Asia discussed and agreed on a goodwill and voluntary declaration - "Bangkok Declaration for 2020 – Sustainable Transport Goals for 2010-2020." Subsequently, at the Seventh Regional EST Forum held in Bali in 2013, the participating countries adopted the "Bali Declaration on Vision Three Zeros- Zero Congestion, Zero Pollution and Zero Accidents towards Next Generation Transport Systems in Asia" reinforcing the implementation of Bangkok 2020 Declaration (2010-2020) with emphasis to zero tolerance towards congestion, pollution and road accidents in the transport policy, planning and development. Bali Vision Three Zeros calls for a paradigm shift in thinking on the role of motorization and mobility in realizing sustainable development in Asia.

The objective of the Country Reporting is to share among international community the voluntary progress/achievements/initiatives include various challenges faced by countries in implementing each of the underlined goals of the Bangkok 2020 Declaration to realize the Bali Vision Three Zeros - Zero Congestion, Zero Pollution, and Zero Accidents towards Next Generation Transport Systems in Asia. This would help development agencies, donors, development banks in assessing the sustainable transport needs and challenges to better devise their existing as well as future capacity building programs and operations in sustainable transport areas.

It would be also very useful to share any major initiatives, including mega transport projects, transport master plans, special transport corridor development, expansion of railways and rail route developments, etc. which attach due importance to *Bali Vision Three Zeros – Zero Congestion*, *Zero Pollution*, and *Zero Accidents*.

Timeline for submission by 1 October 2014

by email to: est@uncrd.or.jp

Goal Goa		Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans,		
No.			development of special transport co	orridors, in Implementing the Bangkok 2020	
			Declaration		
I. S	trateg	gies to <u>Avoid</u> unnecessary travel and re	educe trip distances		
	1	Formally integrate land-use and	Any action had been taken so far?	Challenges faced in implementation:	
		transport planning processes and	☐ Not yet	- Low capacity to integrate land-use and	
		related institutional arrangements at	☐ Some (design – piloting)	transport planning process	
		the local, regional, and national levels	√ □ Largely in Place		
<u> </u>			☐ Fully Completed		
"Avoid" Strategy			(Please Check the box)		
Stra			Examples of pilot projects and/or policie	es developed or under development – include URLs	
id"			where relevant		
Avo			Law on Land has just been approved by the	e National Assembly on 29 November 2013	
3			Decree number 43/2014/NĐ-CP of the Gov	vernment on 15 May 2014	
			Important actions you will carry out in 201	4~2015	
			The Ministry of Transport will revise and	d adjust the following policies: Law on railway and	
			maritime; strategy of railway development	t, transport master plan in 3 main economic - zones of	
			Viet Nam		
>	2	Achieve <b>mixed-use development</b>	Any action had been taken so far?	Challenges faced in implementation:	
ateg		and medium-to-high densities along	☐ Not yet	To Viet Nam, it is still a new model that need	
Stra		key corridors within cities through	√□ Some (design – piloting)	to study	
id"		appropriate land - use policies and	☐ Largely in Place		
"Avoid" Strategy		provide people - oriented local	☐ Fully Completed		
,		access,	(Please Check the box)		

Goal	Goal Description	Voluntary Progress/Achievements/Majo	or Initiatives, including any transport master plans,	
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	Declaration			
	and actively promote transit-oriented development (TOD) when introducing new public transport infrastructure		es developed or under development – include URLs rol Rail projects	
		Important actions you will carry out in 2014~2015  Continue to exchange knowledges and experiences to find suitable policies and cooperation chances to implement in Viet Nam.		
"Avoid" Strategy	Institute policies, programmes, and projects supporting Information and Communications Technologies (ICT), such as internet access, teleconferencing, and telecommuting, as a means to reduce unneeded travel	☐ Not yet  ✓ ☐ Some (design – piloting)  ☐ Largely in Place  ☐ Fully Completed  (Please Check the box)	Challenges faced in implementation:  - Lack of human resource with efficient skill and knowledge;  - Haven't got enough policies, standards to apply ICT;  es developed or under development – include URLs	
II. Stra	tegies to <b>Shift</b> towards more sustainable	e modes		

Goa	al	Goal Description	Voluntary Progress/Achievements/Majo	or Initiatives, including any transport master plans,
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			Declaration	
	4	Require Non-Motorized Transport	Any action had been taken so far?	Challenges faced in implementation:
		(NMT) components in transport	☐ Not yet	- Lack of land to develop transport
		master plans in all major cities and	√□ Some (design – piloting)	infrastructure
		prioritize transport infrastructure	☐ Largely in Place	- Traditional custom behavior
		investments to NMT, including	☐ Fully Completed	
Strategy		wide-scale improvements to	(Please Check the box)	
Stra		pedestrian and bicycle facilities,	Examples of pilot projects and/or policient	es developed or under development – include URLs
ft";		development of facilities for	where relevant	
"Shift"		intermodal connectivity, and adoption	- Pilot project to promote public bic	ycle in 5 major cities
,		of complete street design standards,	- Project "Improve rural transport in	Da Nang City" under the sponsor of JICA
		wherever feasible		
			Important actions you will carry out in 201	14~2015
			- Propose measures to develop publi	ic bicycle after implementing the pilot project

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			Declaration	
	5	Improve <b>public transport</b> services	Any action had been taken so far?	Challenges faced in implementation:
		including high quality and affordable	☐ Not yet	- Limited finance source.
		services on dedicated infrastructure	$\sqrt{\Box}$ Some (design – piloting)	
		along major arterial corridors in the	☐ Largely in Place	
		city and connect with feeder services	☐ Fully Completed	
gy		into residential communities	(Please Check the box)	
rate				
"Shift" Strategy				
hift			Examples of pilot projects and/or policies	es developed or under development - include URLs
S,			where relevant	
			- MRT, BRT in Ha Noi, Ho Chi Min	th city
			Important actions you will carry out in 201	4~2015
			- Continue above projects	

Goa	ıl	Goal Description	Voluntary Progress/Achievements/Majo	or Initiatives, including any transport master plans,
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	6	Reduce the urban transport mode	Any action had been taken so far?	Challenges faced in implementation:
		share of private motorized vehicles	☐ Not yet	- Limited finance source.
		through <b>Transportation Demand</b>	√ □ Some (design – piloting)	- Traditional custom behavior.
		Management (TDM) measures,	☐ Largely in Place	
		including pricing measures that	☐ Fully Completed	
gy		integrate congestion, safety, and	(Please Check the box)	
Strategy		pollution costs, aimed at gradually		
"St		reducing price distortions that directly		
"Shift"		or indirectly encourage driving,	Examples of pilot projects and/or policie	es developed or under development – include URLs
S,		motorization, and sprawl	where relevant	
			- Ministry of Transport has built the	e scheme to develop reasonably of different transport
			modes in big cities in Viet Nam in	ncluding pricing measures (apply various fee levels to
			park/ keep eyes on vehicle)	
			Important actions you will carry out in 201	14~2015
			- The People Committee study and in	mplement the above scheme in a suitable way

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"Shift" Strategy	Achieve significant shifts to more sustainable modes of inter-city passenger and goods transport, including priority for high-quality long distance bus, inland water transport, high-speed rail over car and air passenger travel, and priority for train and barge freight over truck and air freight by building supporting infrastructure such as dry inland ports	(Please Check the box)  Examples of pilot projects and/or policies where relevant  - Strengthen the control of loading cannot be cannot be control of loading cannot be ca	d the action plan to reinforce the link and to raise the transport modes	

Goa	ıl	<b>Goal Description</b>	Voluntary Progress/Achievements/Majo	or Initiatives, including any transport master plans,
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	8	Diversify towards more sustainable	Any action had been taken so far?	Challenges faced in implementation:
		transport fuels and technologies,	☐ Not yet	- Traditional custom behavior
		including greater market penetration	√ □ Some (design – piloting)	- Haven't got enough policies to encourage
		of options such as vehicles operating	☐ Largely in Place	new type of fuel
		on electricity generated from	☐ Fully Completed	
Strategy		renewable sources, hybrid	(Please Check the box)	
Stra		technology, and natural gas		
/e''				
"Improve"			Examples of pilot projects and/or policies	es developed or under development – include URLs
·Im			where relevant	
			- Pilot project to produce electricity	mini bus.
			- Approve the regulation to put energ	gy label on under 7-seat-car
			Important actions you will carry out in 201	4~2015
			- Continue to implement the scheme	of the Government on bio-fuel development
			- Carry out the energy label	

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			Declaration	
	9	Set progressive, appropriate, and	Any action had been taken so far?	Challenges faced in implementation:
		affordable standards for fuel quality,	☐ Not yet	- Low capacity to set standards for fuel
		fuel efficiency, and tailpipe emissions	$\sqrt{\Box}$ Some (design – piloting)	efficiency
		for all vehicle types, including new	☐ Largely in Place	
		and in-use vehicles	☐ Fully Completed	
Strategy			(Please Check the box)	
Stra				
'e'.				
prov			Examples of pilot projects and/or policies	es developed or under development – include URLs
'Improve"			where relevant	
•			- Decision of the Government numb	er 53/2012/QD-TTg dated 22 November 2012 on road
			map to apply the mix rate between	bio fuel and traditional fuel
			Important actions you will carry out in 201	4~2015
			- 07 Cities will use E5 from 01 Dec	cember 2014 and the other cities will use E5 from 01
			December 2015	

Goal		<b>Goal Description</b>	Voluntary Progress/Achievements/Majo	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans,		
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			Declaration			
	10	Establish effective vehicle testing and	Any action had been taken so far?	Challenges faced in implementation:		
		compliance regimes, including formal	☐ Not yet	- Viet Nam has a very big number of motorbike		
		vehicle registration systems and	√ □ Some (design – piloting)	so it requires big investment to control		
		appropriate periodic vehicle	☐ Largely in Place	emission		
/		inspection and maintenance (I/M)	☐ Fully Completed	- Need time to propagandize to citizen		
tegy		requirements, with particular	(Please Check the box)			
Stra		emphasis on commercial vehicles, to				
"Improve" Strategy		enforce progressive emission and				
pro		safety standards, resulting in older				
"Im		polluting commercial vehicles being				
		gradually phased-out from the vehicle	Examples of pilot projects and/or policion	es developed or under development – include URLs		
		fleet, as well as testing and	where relevant			
		compliance regimes for vessels	- Building road map to apply emission	on standard for motorbike in big cities		
			Important actions you will carry out in 201	14~2015		
			- Set up suitable legal documents to	apply emission standard for motorbike		
y	11	Adopt Intelligent Transportation	Any action had been taken so far?	Challenges faced in implementation:		
ateg		Systems (ITS), such as electronic fare	☐ Not yet	- Lack of human resource with efficient skill		
Stra		and road user charging systems,	√ □ Some (design – piloting)	and knowledge;		
"Improve" Strategy		transport control centres, and	☐ Largely in Place	- Haven't got enough policies, standards to		
ıpro		real-time user information, when	☐ Fully Completed	apply ITS;		
шĮ"		applicable	(Please Check the box)			

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No.			development of special transport corridors, in Implementing the Bangkok 2020		
			Declaration		
			Examples of pilot projects and/or policie	es developed or under development – include URLs	
			where relevant		
			- Apply ITS in some new highways	of Viet Nam.	
			Important actions you will carry out in 201	14~2015	
			- Continue to implement the route m	ap to apply ITS in Viet Nam	
	12	Achieve improved freight transport	Any action had been taken so far?	Challenges faced in implementation:	
		efficiency, including road, rail, air,	☐ Not yet	- Lack of skilled human resource and	
		and water, through policies,	√ □ Some (design – piloting)	technology	
		programmes, and projects that	☐ Largely in Place	- Weak infrastructure	
		modernize the freight vehicle	☐ Fully Completed		
Strategy		technology, implement fleet control	(Please Check the box)		
Stra		and management systems, and			
ve"		support better logistics and supply			
"Improve"		chain management	Examples of pilot projects and/or policion	es developed or under development – include URLs	
"Im			where relevant	where relevant	
			- Decision of the Government nu	imber 169/QĐ-TTg dated 22 January 2014 on the	
			development of logistics service in	transport sector to 2020	
			Important actions you will carry out in 201	14~2015	
			- Implement the above decision		
IV.	Cross	<u>-cutting</u> strategies			

Goal		Goal Description	Voluntary Progress/Achievements/Majo	or Initiatives, including any transport master plans,	
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			Declaration		
StrategyStrategy	13	Adopt a zero-fatality policy with respect to road, rail, and waterway safety and implement appropriate speed control, traffic calming strategies, strict driver licensing, motor vehicle registration, insurance requirements, and better post-accident	<ul> <li>□ Not yet</li> <li>√ □ Some (design – piloting)</li> <li>□ Largely in Place</li> <li>□ Fully Completed</li> </ul>	Challenges faced in implementation:  - Low capacity of manager in technology  - It's a new measure so it need time to get used to	
"Cross-Cutting"		care oriented to significant reductions in accidents and injuries	where relevant  - The Government has approved the		

Goa	al	Goal Description	Voluntary Progress/Achievements/Majo	or Initiatives, including any transport master plans,
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			Declaration	
	14	Promote monitoring of the health	Any action had been taken so far?	Challenges faced in implementation:
		impacts from transport emissions and	☐ Not yet	- Limited finance resource
>		noise, especially with regard to	√ □ Some (design – piloting)	- Low capacity of human resource
ateg		incidences of asthma, other	☐ Largely in Place	
Stra		pulmonary diseases, and heart disease	☐ Fully Completed	
"Cross-Cutting" Strategy		in major cities, assess the economic	(Please Check the box)	
utti		impacts of air pollution and noise,		
O-ss		and devise mitigation strategies,		
Cro		especially aiding sensitive	Examples of pilot projects and/or policies	es developed or under development - include URLs
,		populations near high traffic	where relevant	
		concentrations	- Building noise map of Noi Bai Inte	ernational Airport
			Important actions you will carry out in 2014~2015	
	15	Establish country-specific,	Any action had been taken so far?	Challenges faced in implementation:
•		progressive, health-based,	☐ Not yet	- Low capacity of human resource to establish
"Cross-Cutting"		cost-effective, and enforceable air	√ □ Some (design – piloting)	standard
Cutt		quality and noise standards, also	☐ Largely in Place	
)-SSC		taking into account the WHO	☐ Fully Completed	
ÇĽ		guidelines, and mandate monitoring	(Please Check the box)	
		and reporting in order to reduce the		

Goal		<b>Goal Description</b>	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans,		
No.			development of special transport corridors, in Implementing the Bangkok 2020		
			Declaration		
		occurrence of days in which pollutant	Examples of pilot projects and/or policies developed or under development - include URLs		
		levels of particulate matter, nitrogen	where relevant		
		oxides, sulphur oxides, carbon	- National Technical Regulation on A	Ambient Air Quality was adopted on 25 October 2013	
		monoxide, and ground-level ozone	- National Technical Regulation on l	Environment in Ha Noi city dated 5 September 2014	
		exceed the national standards or	- Report on national air quality		
		zones where noise levels exceed the			
		national standards, especially with	Important actions you will carry out in 201	14~2015	
		regard to environments near high			
		traffic concentrations			
	16	Implement sustainable low-carbon	Any action had been taken so far?	Challenges faced in implementation:	
		transport initiatives to mitigate the	☐ Not yet	- Low awareness of people about global	
		causes of global climate change and	√ □ Some (design – piloting)	climate change and climate change scenario	
		to fortify national energy security,	☐ Largely in Place	- Limited financial source to apply new	
		and to report the inventory of all	☐ Fully Completed	technology to reduce emission	
tegy		greenhouse gases emitted from the	(Please Check the box)		
Stra		transport sector in the National			
ıg,		Communication to the UNFCCC			
uttir			Examples of pilot projects and/or policies developed or under development - include URLs		
s-C			where relevant		
"Cross-Cutting" Strategy			<ul> <li>Optimize flight route</li> <li>Do some researches in inventory of greenhouse gases emitted from the transport sector</li> </ul>		
),,					

Goal No.		Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration  Important actions you will carry out in 2014~2015  - Prepare to implement Annex VI Marpol Convention 73/78 on air pollution and energy efficient control with ship	
ng" Strategy	17	Adopt social equity as a planning and design criteria in the development and implementation of transport initiatives, leading to improved quality, safety and security for all and especially for women, universal accessibility of streets and public	□ Not yet	Challenges faced in implementation:  - Low awareness of people  - Limited financial source to upgrade the transport infrastructure
"Cross-Cutting"		transport systems for persons with disabilities and elderly, affordability of transport systems for low-income groups, and up-gradation, modernization and integration of intermediate public transport	Examples of pilot projects and/or policies developed or under development – include URLs where relevant  - Circular of Ministry of Transport number 39/2012/TT-BGTVT dated 24 September 2012 about policies for the disabilities to use different transport modes  Important actions you will carry out in 2014~2015	
			- Implement the above circular	

Goal		<b>Goal Description</b>	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans,		
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	18	Encourage innovative financing	•	Challenges faced in implementation:	
		mechanisms for sustainable transport	□ Not yet	- Lack of experience and knowledge in setting	
		infrastructure and operations through	$\sqrt{\square}$ Some (design – piloting)	up financing mechanisms for sustainable	
		measures, such as parking levies, fuel	☐ Largely in Place	transport infrastructure and operations	
gy		pricing, time-of-day automated road	☐ Fully Completed		
Strategy		user charging, and public-private	(Please Check the box)		
Stı		partnerships such as land value			
g,		capture, including consideration of			
 uttin		carbon markets, wherever feasible	Examples of pilot projects and/or policies	es developed or under development - include URLs	
-Cu			where relevant		
"Cross-Cutting"			- There are more and more BOT (Built-Operation-Transfer) projects in developing		
Э,,			transport infrastructure		
			Important actions you will carry out in 201	4~2015	
			-		

Goal		Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans,		
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	19	Encourage widespread distribution of	Any action had been taken so far?	Challenges faced in implementation:	
		information and awareness on	☐ Not yet	- New field	
		sustainable transport to all levels of	√ □ Some (design – piloting)	- Low awareness	
Ş		government and to the public through	☐ Largely in Place	- Low capacity to collect and analyze data/	
Strategy		outreach, promotional campaigns,	☐ Fully Completed	indicator	
St		timely reporting of monitored	(Please Check the box)		
g,		indicators, and participatory			
uttir		processes			
S-C			Examples of pilot projects and/or policie	es developed or under development – include URLs	
indicators, and participatory processes  Examples of pilot projects and/or policies development where relevant  Decision of Ministry of Transport number					
			number 4088/QD-BGTVT dated 12 December 2013		
			about the action plan for sustainable development for the period of 2013 - 2020		
			4~2015		
			- Implement the above decision		

Goal		Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans,	
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			Declaration	
"Cross-Cutting" Strategy	20	Develop dedicated and funded institutions that address sustainable transport-land use policies and implementation, including research and development on environmentally-sustainable transport, and promote good governance through implementation of environmental impact assessments for major transport projects	□ Not yet  V□ Some (design – piloting)  □ Largely in Place  □ Fully Completed (Please Check the box)  Examples of pilot projects and/or policit where relevant	