ASIA AND THE PACIFIC TRANSPORT FORUM 2024 14 - 17 MAY 2024 | ADB HEADQUARTERS, MANILA PHILIPPINES

Translating knowledge into action

Transport Climate Profiles as a Tool for Decarbonisation Sudhir Gota, Co-Team Lead

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Asian Transport Outlook

Demystifying Transport Decarbonisation

GDP per capita vs. transport CO2 emissions intensity with GDP (1990-2022)



(Emissions Database for GlobaliNTERNALDThisriftdmation is laced Sible; to ADB Management and staff. It may be shared outside ADB with appropriate permission.

Avoid missing the forest for the trees



Whatever is seen is sold



Translating knowledge into action



Other Targets Targets Electrification targets

ADB Transport Projects (ADF + OCR + TASF)-Billion USD (Cumulative) -Projects with Electric Mobility Component



Source: Analysis using Asian Transport Outlook (Trademap, 2023) INTERNAL. This information is accessible to ADB Management and staff. It may be shared outside ADB with appropriate permission

Navigating Change: Asia's Transport Sector and Climate Action

Data trends



Transport climate policies



Tool that translates data into insights, policies and investments

Road vehicles (2022) 90.54 million vehicles (9)			(9)	Electric road vehicle import value (2017-2022) Total Hybrid-electric 293 million USD 278.5 million USD (11)							
Road vehicle motorization rate (2022) 922 vehicles per thousand population (1,9)					Electric road vehicle share in total road vehicle import value trend						
oad vehid	cles include 2- nsport, trucks,	and 3-wheel	lers, LDVs, bu		informal						(11
	is has increas vehicles by typ	of 577	ompared with in 2022.	n Asia-Pacific	(9)						
	2-wheeler	3-wheeler 🔳	LDV ∎Bus ∎	Truck Oth	ers	0.00%	0.10%	0.15%	0.61%	1.46%	1.75%
						2017	2018	2019	2020	2021	2022

Highlighting gaps

Identifying opportunities



Average annual losses to transport infrastructure due to hazards (2023) 48.57 million USD

 Share of average annual losses due to hazards, by mode (2022)

 |Road
 |Rail

 68%
 27%

 |Ports
 |Airports

 0%
 4%

 National road vulnerability index ranking (2023)

 131st out of 208 countries

Share of population in low elevated coastal zones (2018) 37%

Average annual losses to transport infrastructure due to hazards, as a share of GDP, in Asia-Pacific (2023)



Helps in making well-informed decisions on transport investments and policies



Aligning with country priorities

Exploring modes

Decision 876/OD-TTg in 2022 approving the

Decision 0707QD-11g in 2022 approving the	
Action Program on green energy	
transformation, reducing carbon and	2050
methane emissions of the transport sector	
issued by the Prime Minister	
Decision No. 1658/QD-TTg (National Green Growth for 2021-2030 period, with a vision by 2050)	2030
Decision No. 1658/QD-TTg (National Green Growth for 2021-2030 period, with a vision by 2050)	2050

Implementation of NDC for Transport in Viet Nam

Railway network planning for 2021-2030, vision to 2050 Railway network planning for 2021-2030, vision to 2050

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The rate of public passenger transport in special urban centers and grade-I cities will reach at least 40% and 10%, respectively.

- The share of public passenger transport in urban areas in particularespecially, grade I urban centers will reach at least 20% and 5%, respectively;
- the rate of public passenger transport in special urban centers and urban centers of grade I will reach at least 40% and 15%, respectively

Shifting passenger

2030

transportation from private

- 2030 to public transport: Bus: develop in 05 (13 - conditional) central level cities
 - North South high-speed railway from Ngoc Hoi station to Thu Thiem station: double track, 1,435mm gauge, about 1,545 km in length.
- Planning for 09 new railway lines, total length of 2,362 km by 2030 2030

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Data can be translated into insights, policies, and investments

To know more, Please join us in the next session!

Pathways and Destinations: Where we are and where we are headed in terms of Transport in Asia-Pacific?

Sudhir Gota, Co-Team Lead

Data sourced from the Asian Transport Outlook (ATO)

asiantransportoutlook.com

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