

Bridging the Gap:

A Deep Dive into NDCs and Transport Policy Landscapes in Low- and Middle-Income Asian Economies

Webinar – Sharing of Draft Results

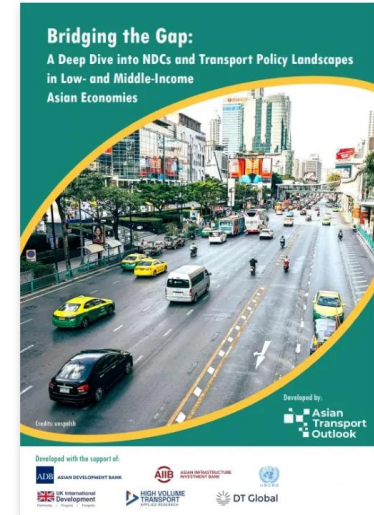
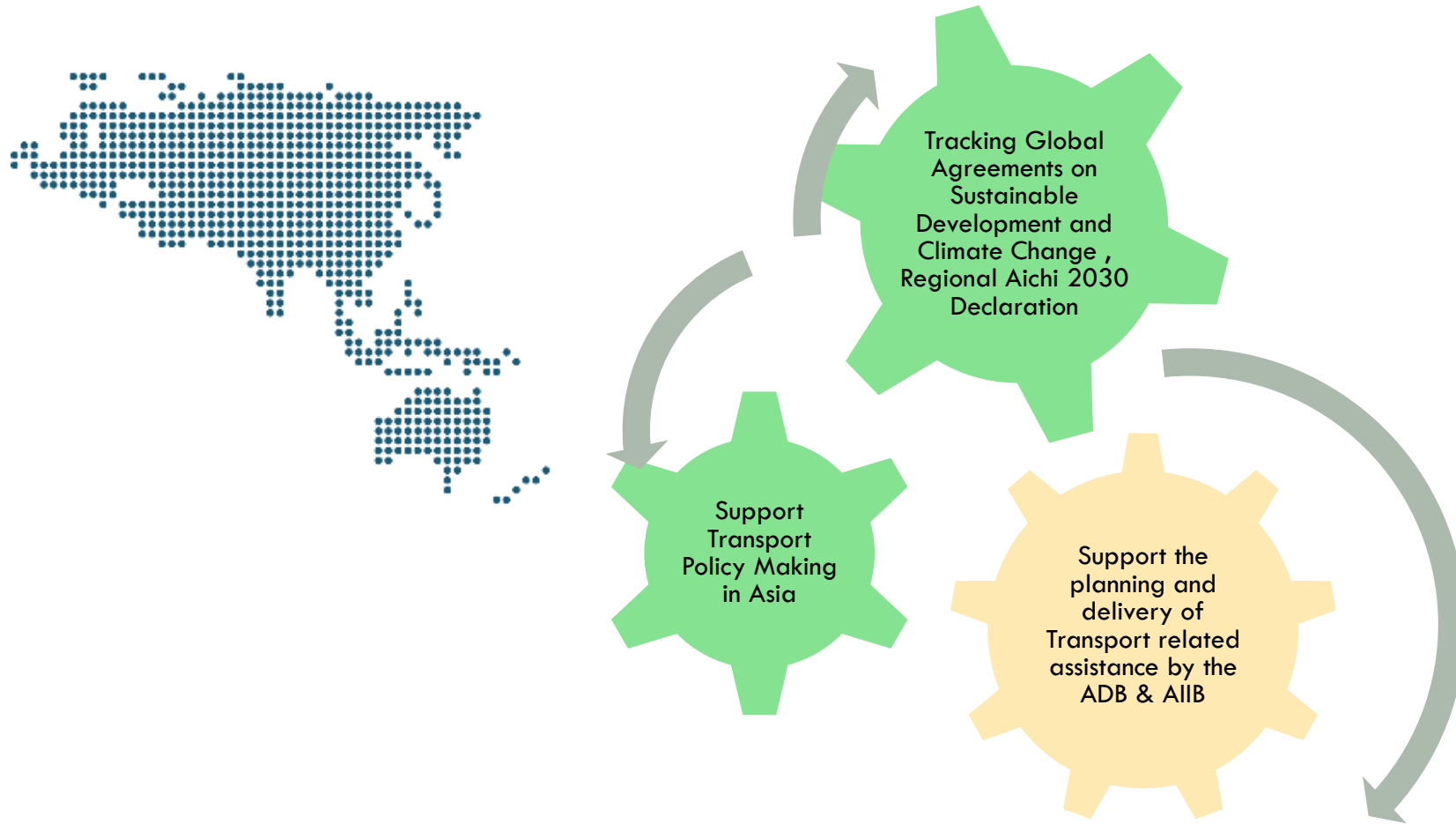
September 23, 2024

Bridging the Gap: Transport Policies for Mitigation and Adaptation in Asia's Developing Economies – Initial Findings

Sudhir Gota

Asian Transport Outlook

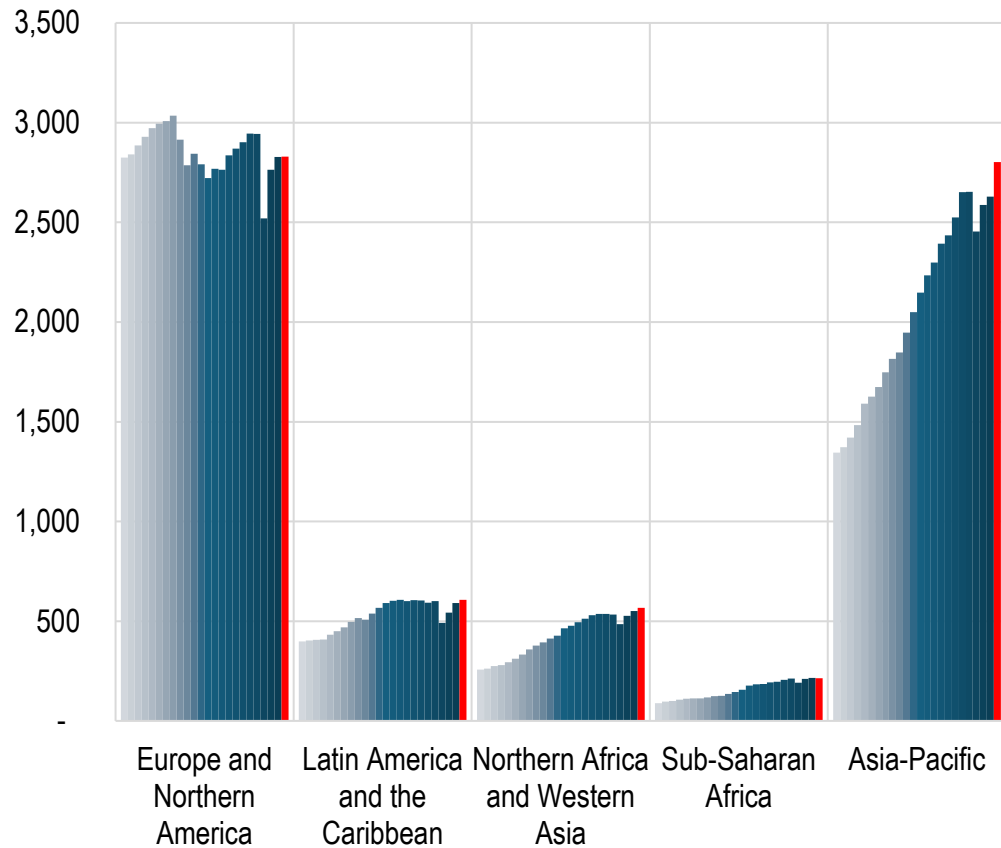
Asian Transport Outlook (ATO)



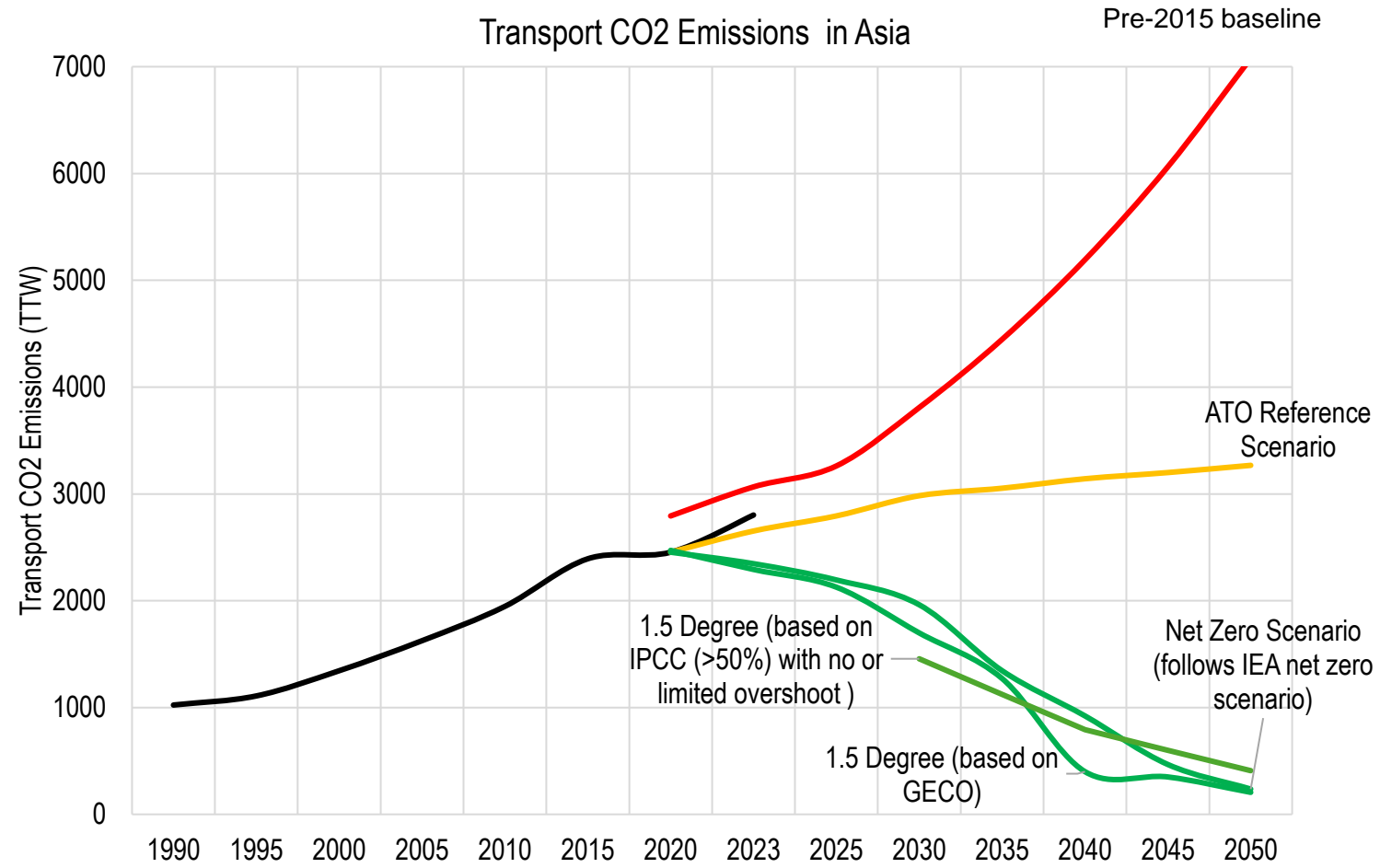
Transport Decarbonisation in Asia:
A Glass Half-Full or Half-Empty?
A Primer for COP-29
Asian Transport Outlook

Asia's transport decarbonization progress is lagging

Domestic Transport CO2 Emissions, 2000-2023, Million Tonnes of CO2 Emissions



Transport CO2 Emissions in Asia

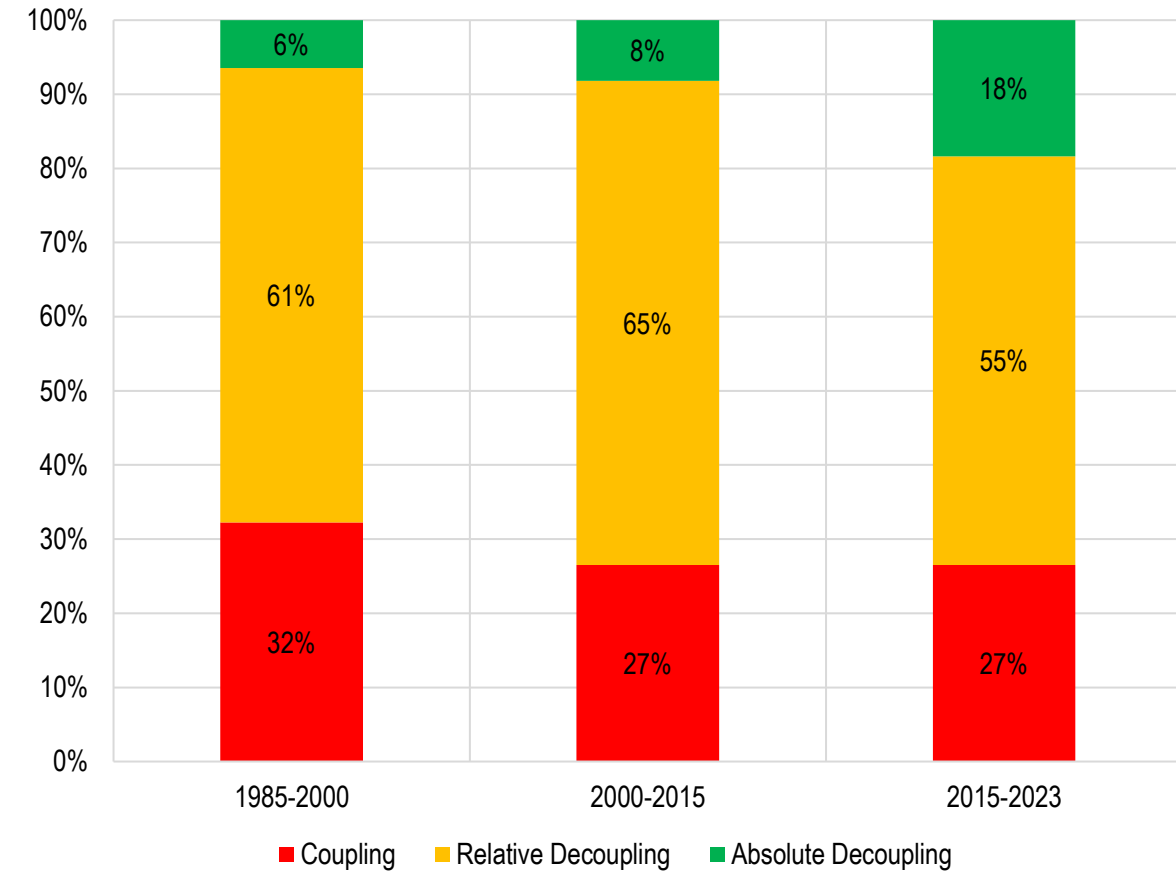


Decoupling Transport Emissions and Economic Growth in Asia: A Mixed Progress

Transport Sector CO2 Emissions -Annual Growth



Decoupling of Transport CO2 Emissions

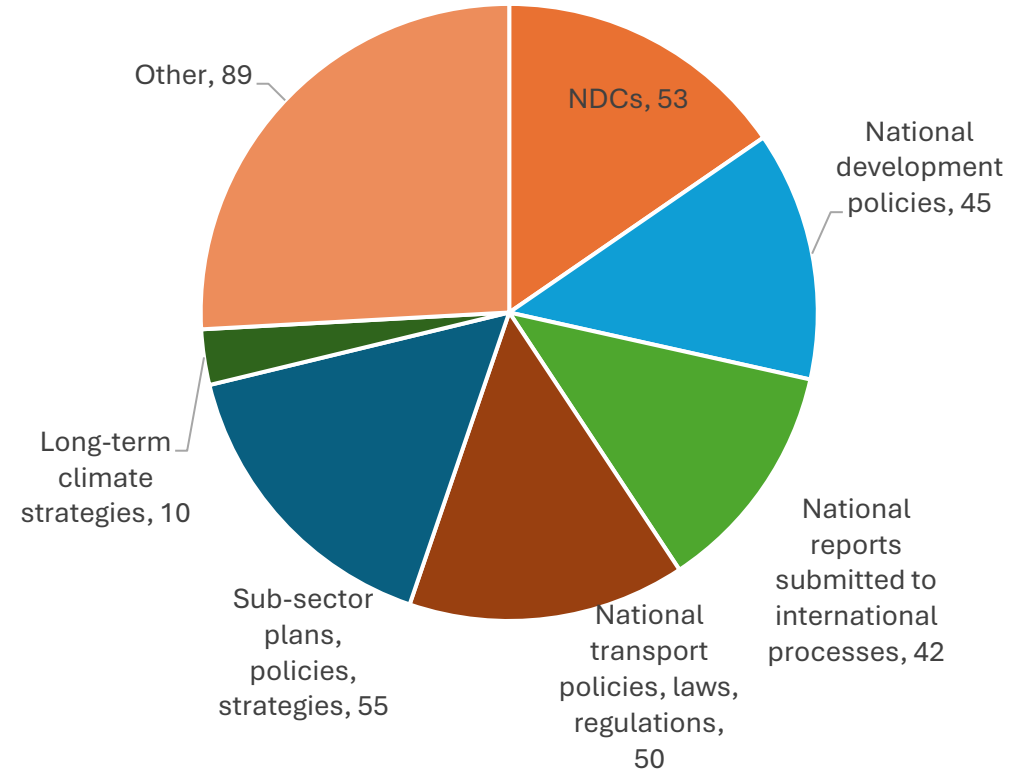


Unique Approach



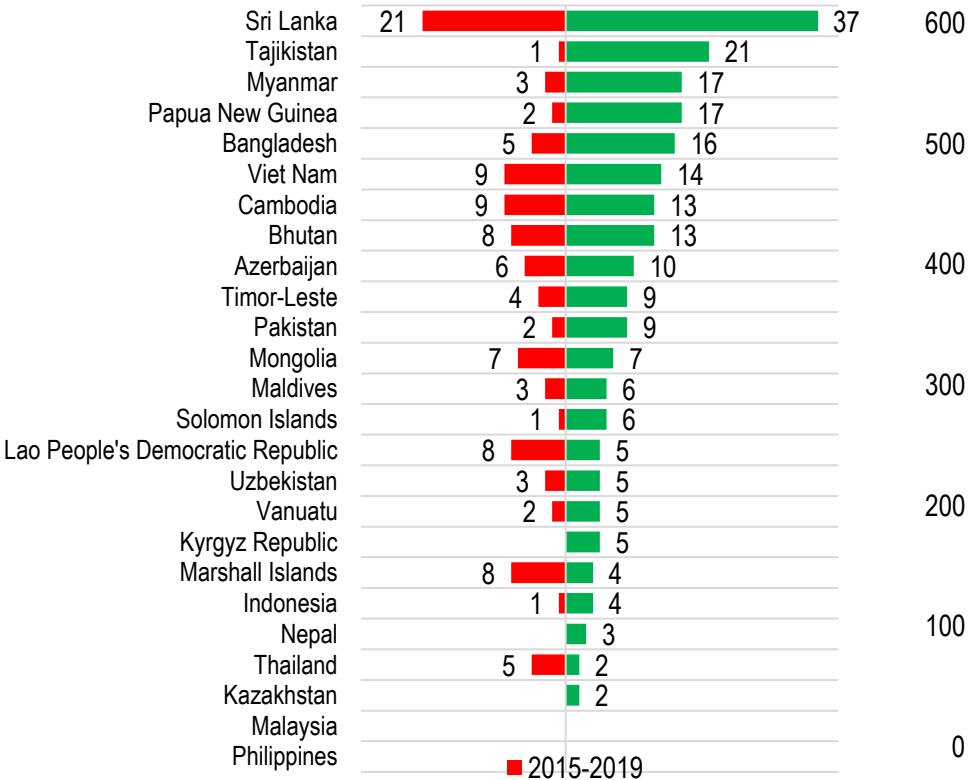
- Azerbaijan
- Bangladesh
- Bhutan
- Cambodia
- Indonesia
- Kazakhstan
- Kyrgyz Republic
- Lao PDR
- Malaysia
- Maldives
- Marshall Islands
- Mongolia
- Myanmar
- Nepal
- Pakistan
- Papua New Guinea
- Philippines
- Solomon Islands
- Sri Lanka
- Tajikistan
- Thailand
- Timor-leste
- Uzbekistan
- Vanuatu
- Viet Nam

Total policy documents = 344

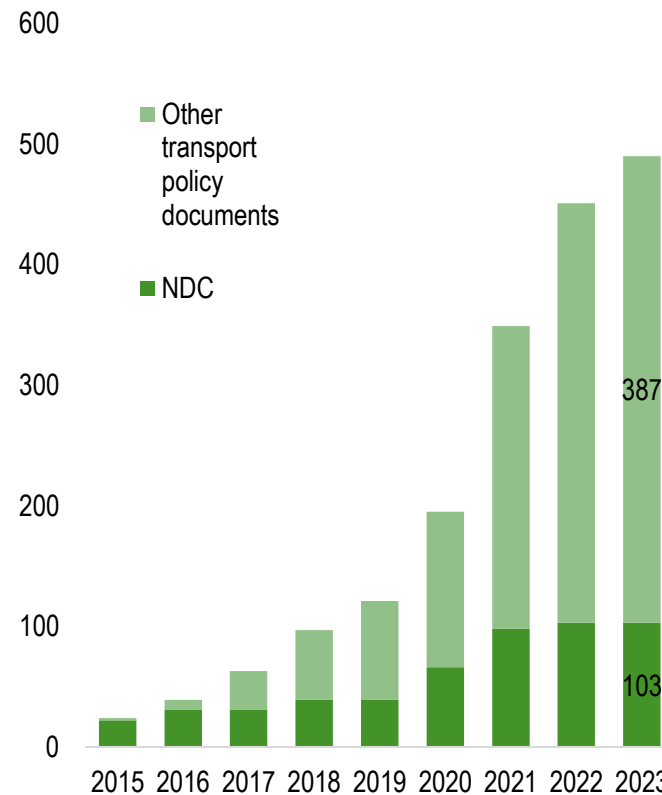


NDCs Fall Short on Transport Ambitions

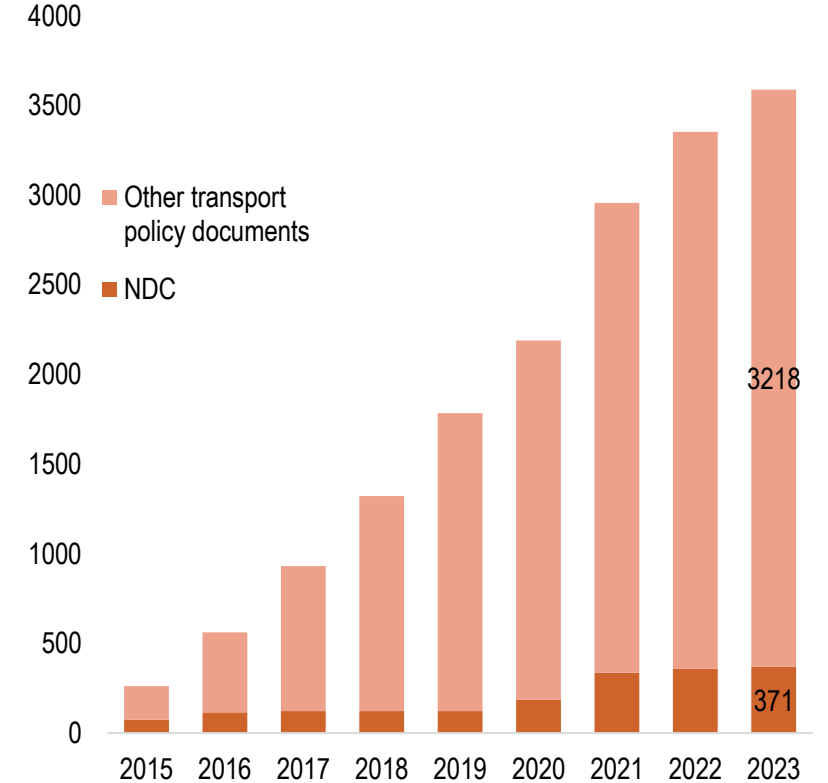
Number of unique direct transport measure types in NDCs 2015-2019 vs. 2020-2023



Cumulative Distribution of Targets (2015 - 2023)



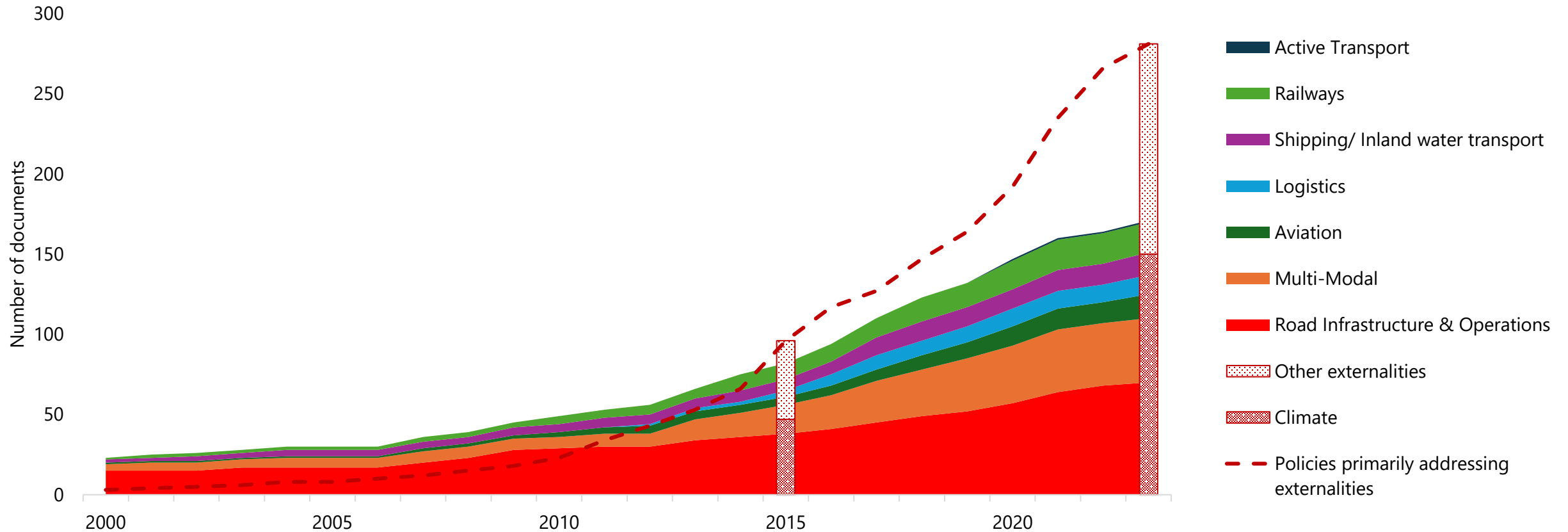
Cumulative Distribution of Measures (2015 - 2023)



“Emerging economies need more detailed and ambitious transport-related commitments in their NDCs”

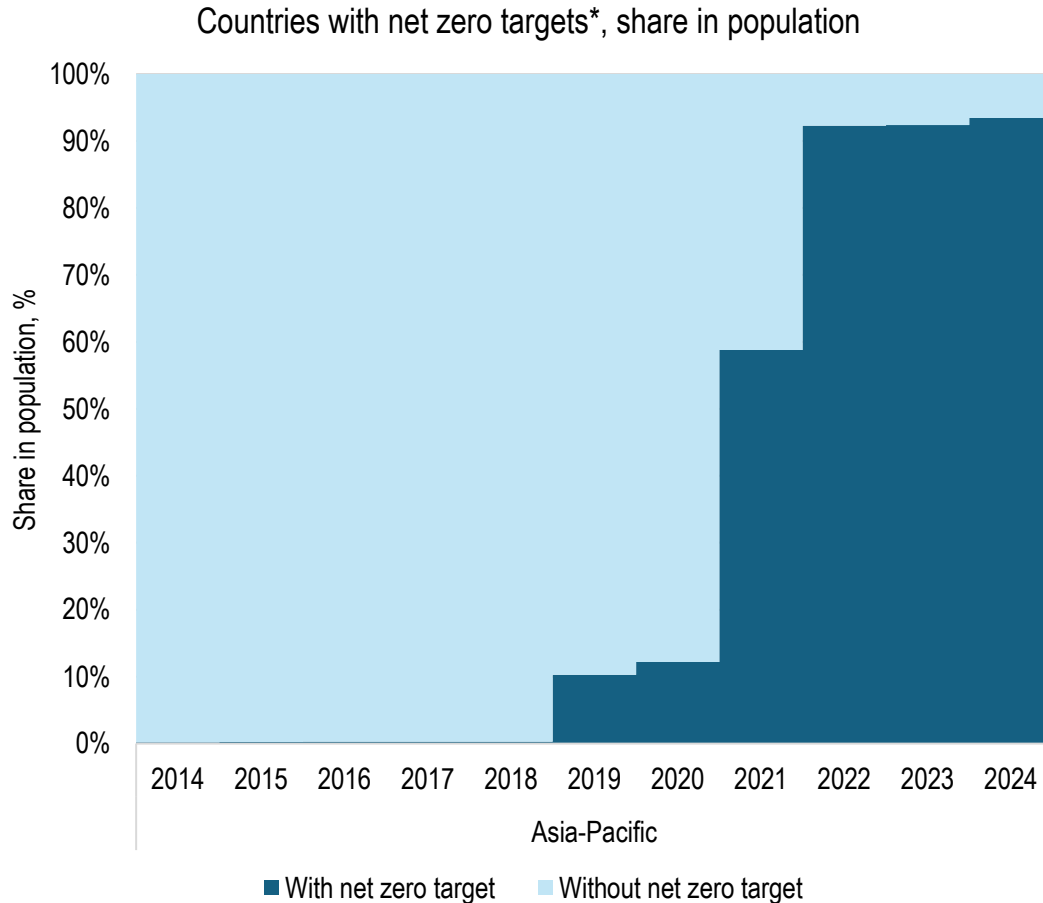
Incremental progress in the Integration of Climate considerations into Wider Transport Policies

Transport policy documents by theme



“While transport policies are increasingly addressing climate concerns, progress has been gradual, and more substantial action is needed”

Lack of Long-Term Ambition, and Delays in Setting Targets for Peaking of Transport Emissions

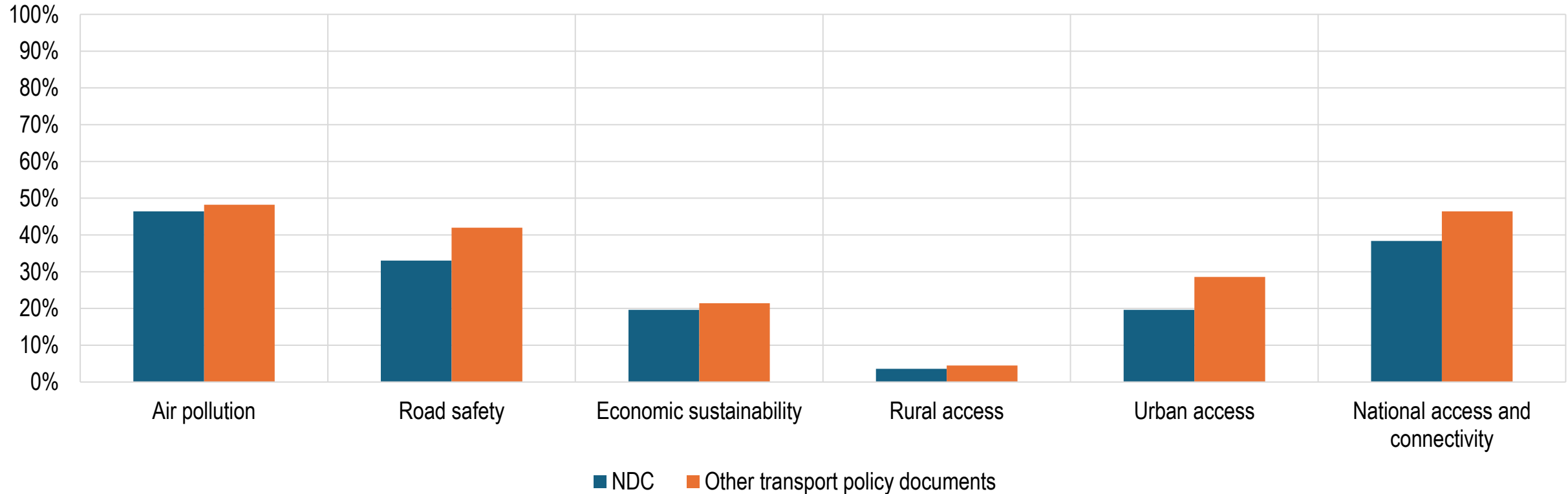


Country	NDC		
	Economy-wide emissions	Transport GHG emission	Indirect transport targets
Azerbaijan	2030		
Bangladesh	2030	2030	Modal shift, transport energy consumption
Bhutan		2030	Vehicle related
Cambodia	2030	2030	
Indonesia	2030		
Kazakhstan	2030		
Kyrgyz Republic	2025, 2030, 2050		
Lao PDR	2030		Biofuels, E-mobility
Malaysia	2030		
Maldives	2030		
Marshall Islands	2025, 2030, 2035	2025, 2030	2025, 2030, 2035
Mongolia	2030	2030	E-mobility
Myanmar	2030		
Nepal			E-mobility, public transport, railway electrification
Pakistan	2030		E-mobility
Papua New Guinea			
Philippines	2030		
Solomon Islands	2025, 2030, 2050		
Sri Lanka	2030	2030	Vehicles scrappage scheme
Tajikistan	2030		
Thailand	2030	2030	
Timor-Leste			
Uzbekistan	2030		E-mobility, LPG/ CNG/ LNG
Vanuatu	2030		Biofuels, E-mobility, Ship, Vehicle efficiency standards
Viet Nam	2030		

“Current NDCs and transport policies often need more ambitious long-term targets for emissions reduction in the transport sector.”

Need for Integrated Development Priorities

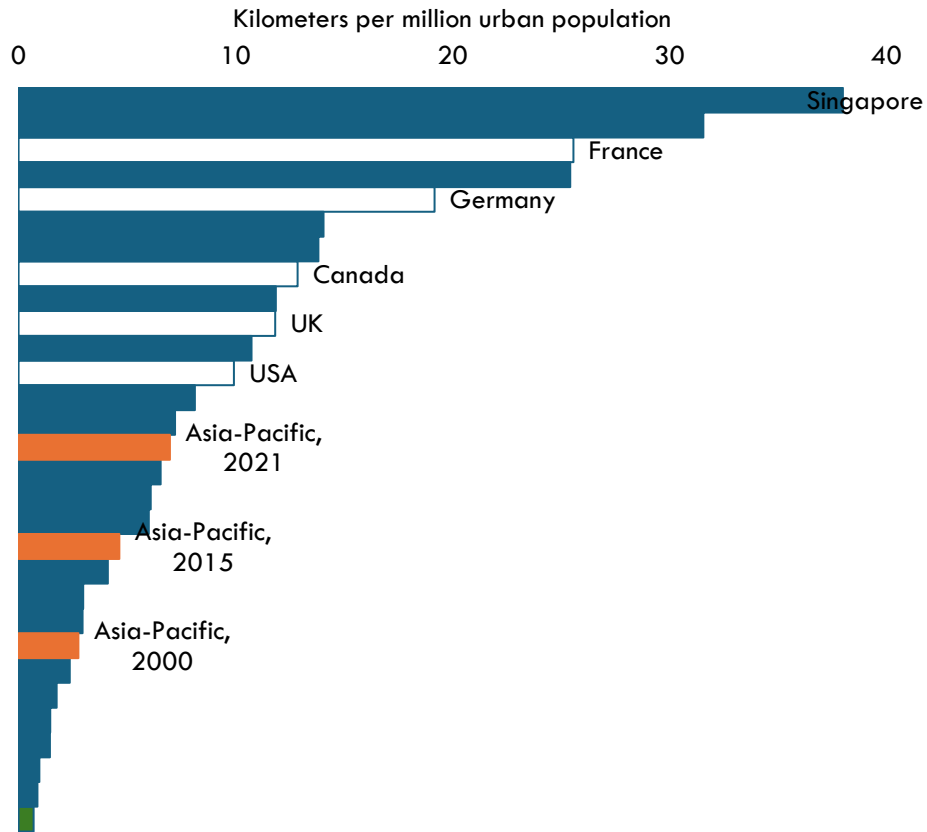
Share of climate documents also covering other development goals



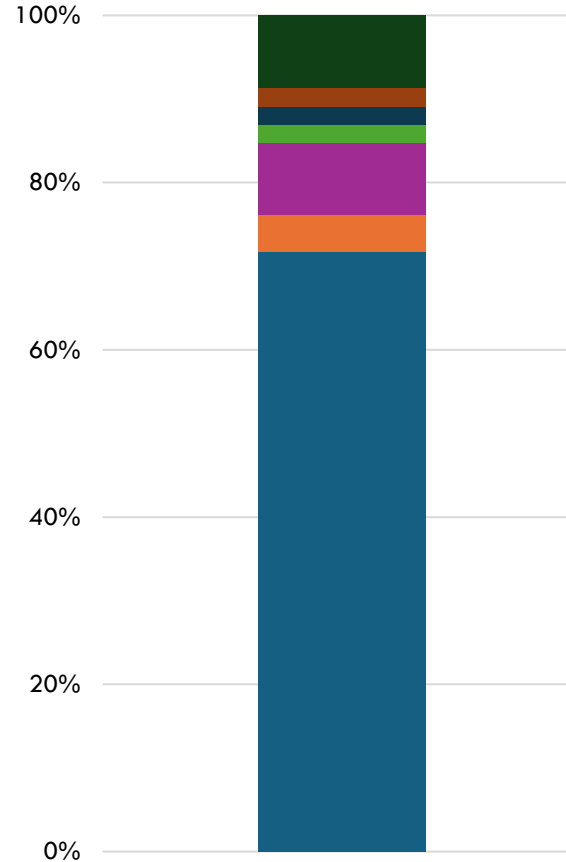
“Effective transport mitigation and adaptation policies must align with broader development goals”

Addressing the Public Transit Gap

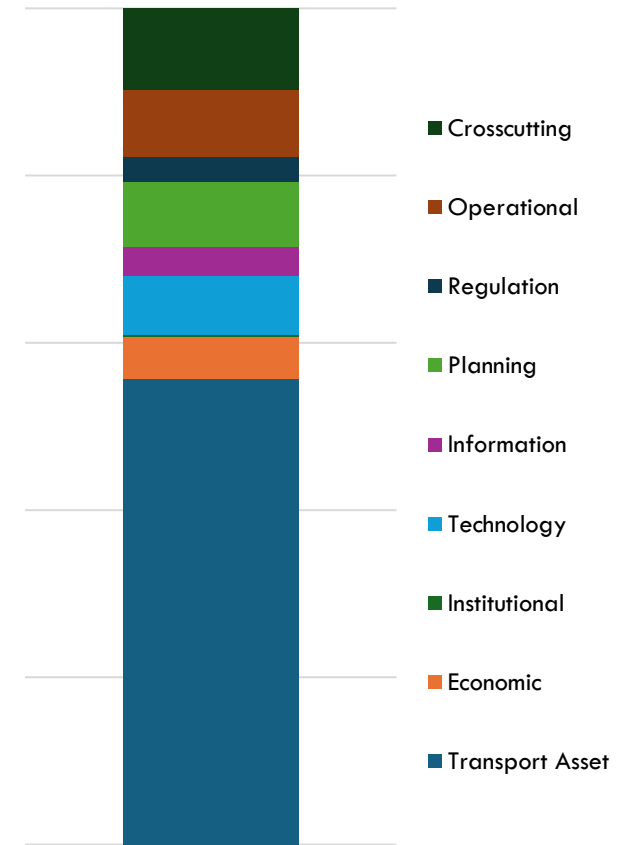
Rapid urban transit (BRT, LRT, metro) availability, 2021



Public transport related measures from NDCs, by framework



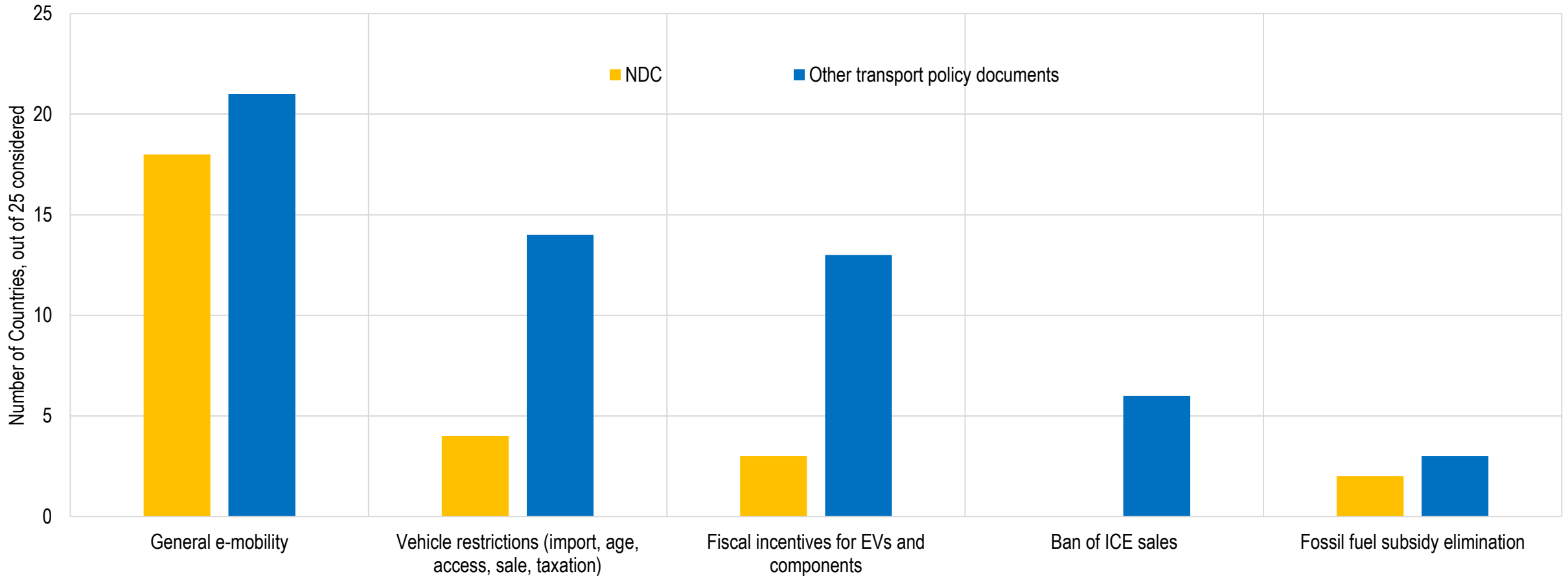
Public transport related measures from non-NDCs, by framework



“Prioritizing the expansion and improvement of public transportation systems is crucial for both climate action and sustainable development”

Promoting Electric Vehicles and Reducing Fossil Fuel Dependency

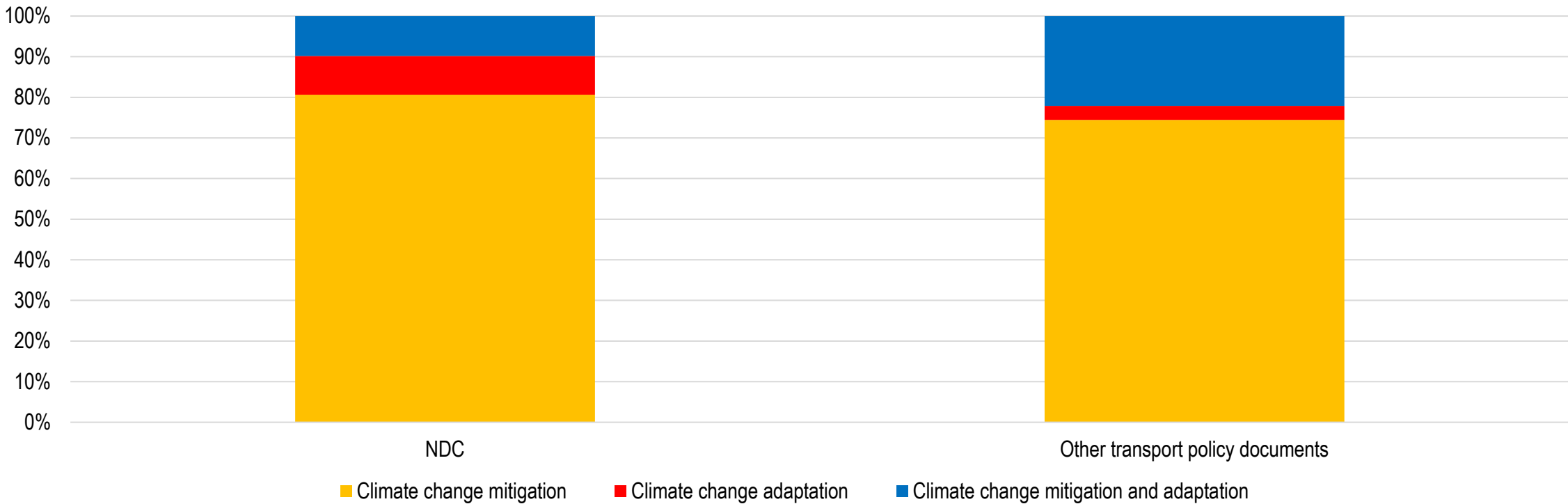
Number of countries with explicit measures on e-mobility and phase out in NDCs vs. other policy documents



“While electric vehicles are gaining traction, bolder action is needed to phase out fossil fuel subsidies and ICE vehicles”

Strengthening Transport Adaptation and Resilience

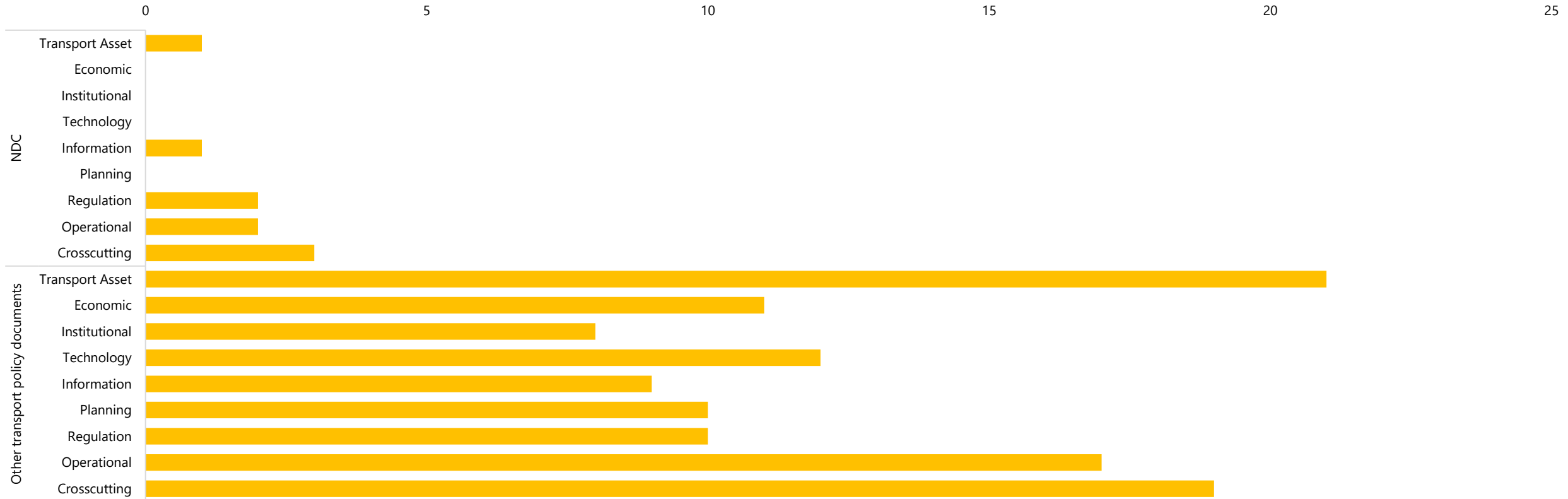
Share of climate change mitigation and adaptation in NDCs vs. other transport policy documents



“NDCs and transport policies often overlook measures to adapt transport systems to the impacts of climate change and build resilience to extreme weather events”

Freight Decarbonization: A Climate Blind Spot Amidst Rapid Growth

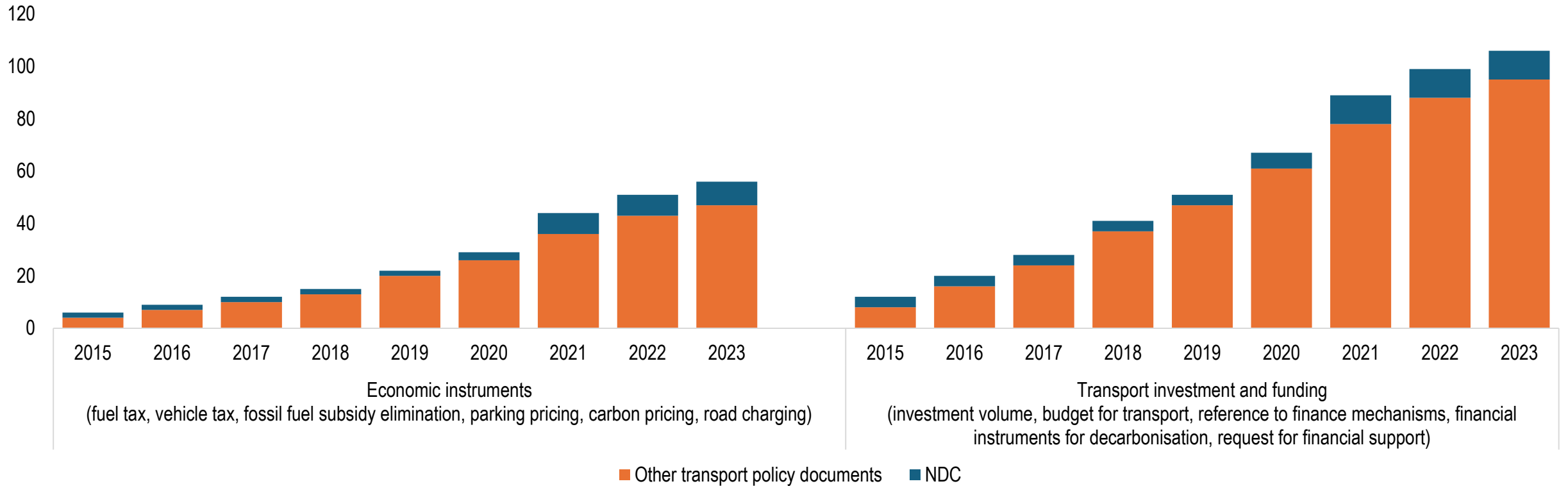
Number of countries with freight-specific measures by framework, NDC vs. other transport policy documents



“Urgent action is needed to decarbonize the freight and logistics sector, which currently remains a significant source of emissions”

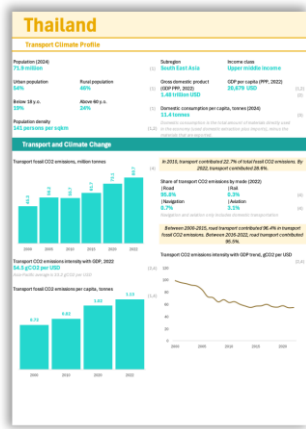
Increasing the Availability and Access to Transport Economic Instruments

Cumulative number of documents with reference to investment and economic instruments

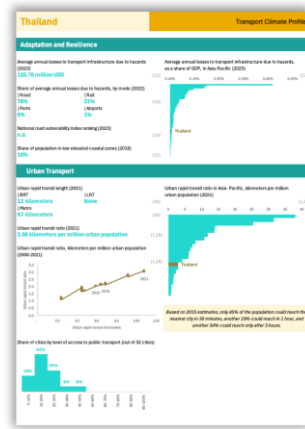


“Facilitating access to adequate financing is crucial for implementing necessary transport projects and reforms”

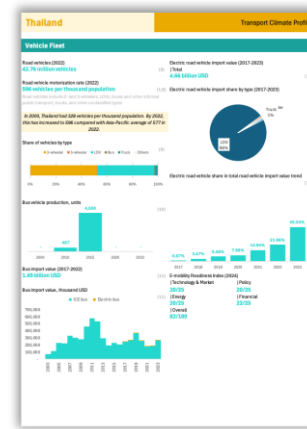
Transport Climate Profiles



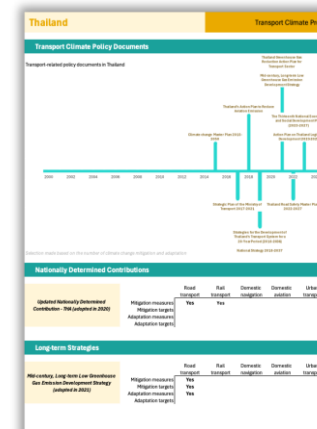
Carbon emissions, energy consumption



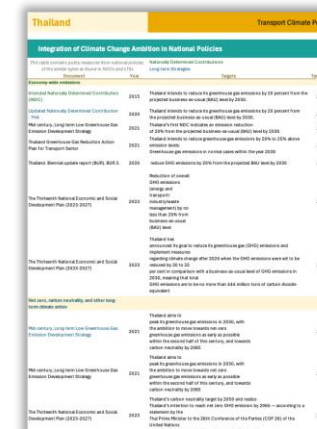
Climate change adaptation, damages due to hazards



Drivers



Policies on climate and transport sector



Linkages between NDCs, LTSs, and other ambitions/targets



Country priorities and how it is integrated in NDCs/LTSs

“ATO translates data into insights, policies, and investments”

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