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

Blindspot

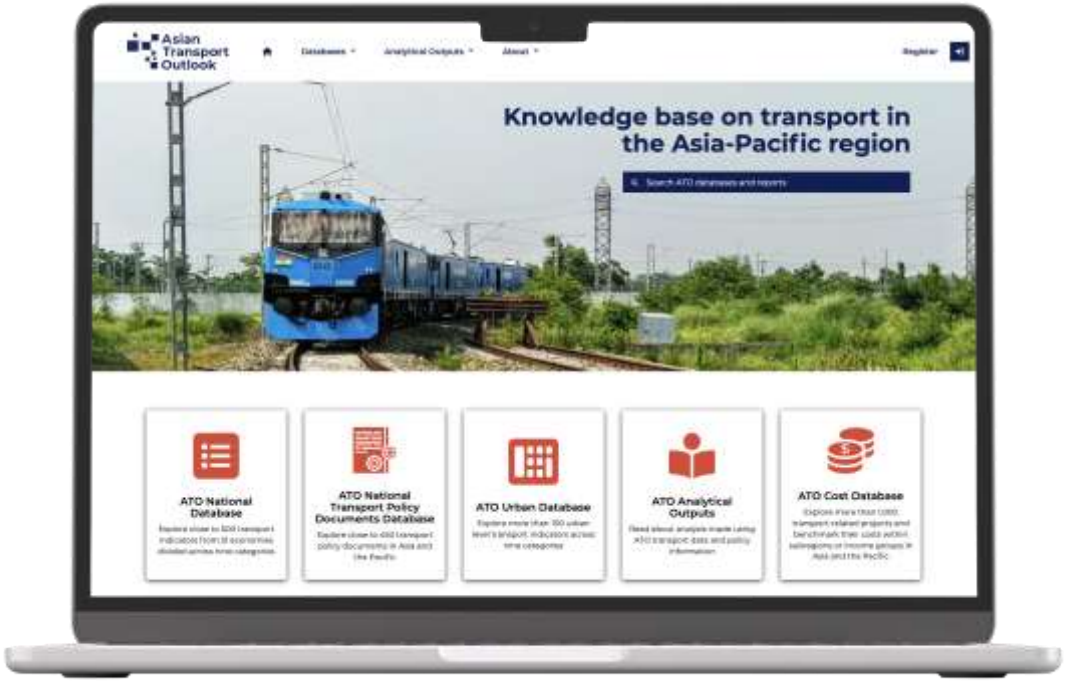
Highlighting Asia's Investment Gap in Low Carbon Transport

Mel Eden, Data Analyst
Asian Transport Outlook



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Tracking Global Agreements on Sustainable Development and Climate Change , Regional Aichi 2030 Declaration

Support Transport Policy Making in Asia

Support the planning and delivery of Transport related assistance by the ADB & AIIB

Brainstorming	Phase 1	Interim Phase	Phase 2	Phase 3	Phase 4 +
2019 – 2020	November 2020 – May 2021	June 2021 – October 2021	November 2021 – November 2022	March 2023 – November 2024	

ADB ASIAN DEVELOPMENT BANK
AIIB ASIAN INFRASTRUCTURE INVESTMENT BANK

Data and policy powering insights



51 Economies
460 Urban Centers

Infrastructure

Transport Activity and Services

Access and Connectivity

Road Safety

Air Pollution and Health

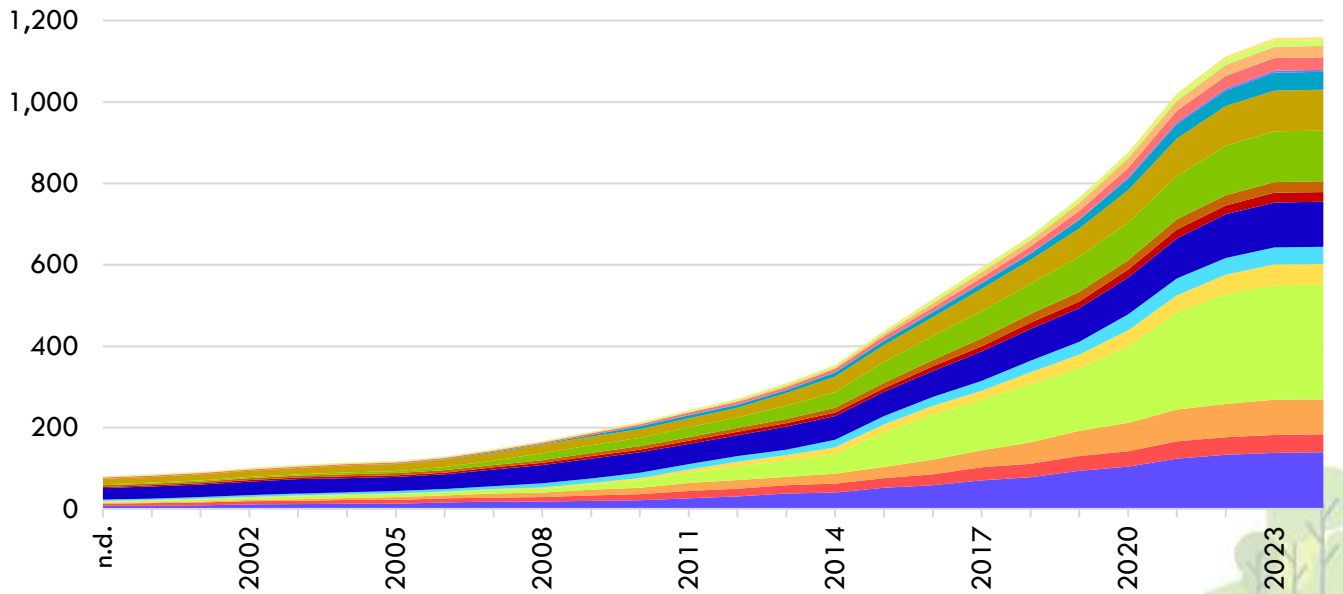
Climate Change

Socio-economic

Miscellaneous

Urban Form and Structure + Land use

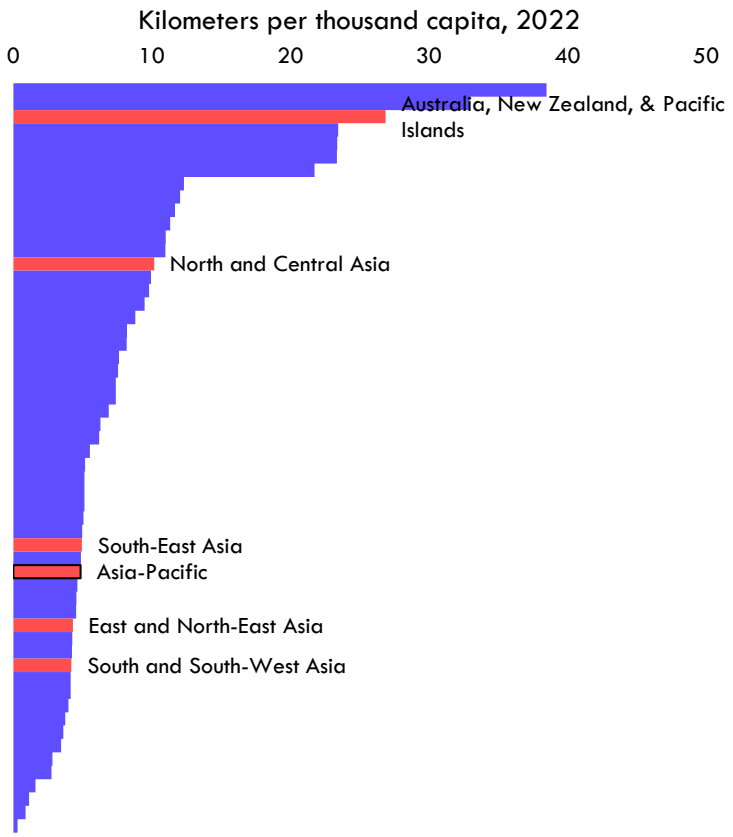
410 national indicators
281 urban indicators



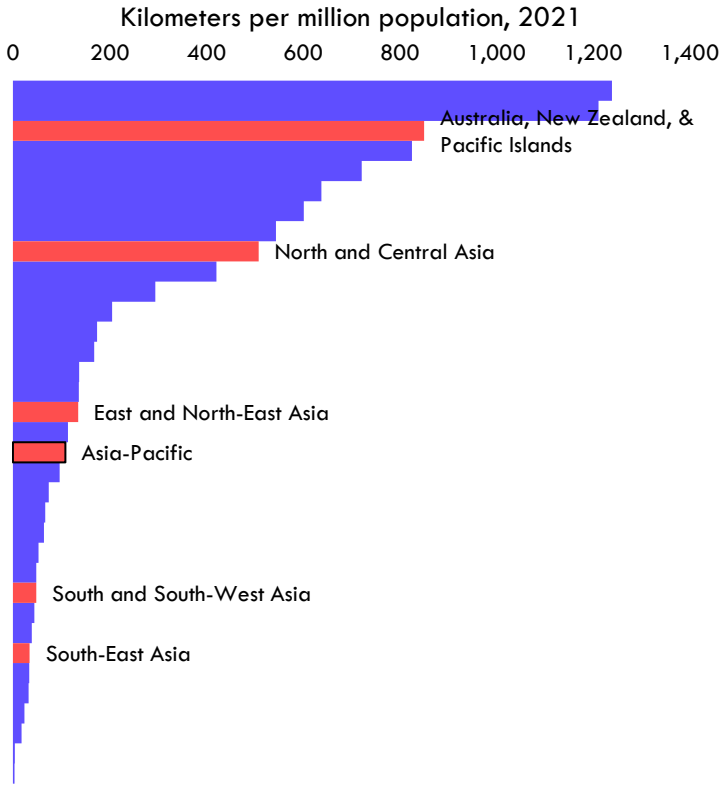
6,000+ total policy measures
Recorded from 500+ policy documents for a sample of 25 economies.

Infrastructure gap across the region and across modes

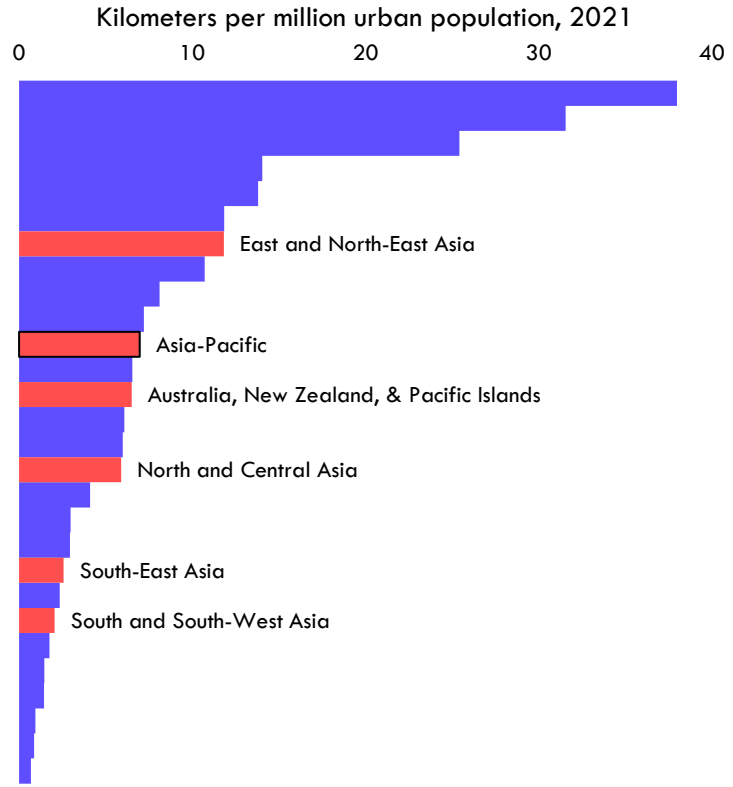
Road availability



Heavy rail (including HSR) availability



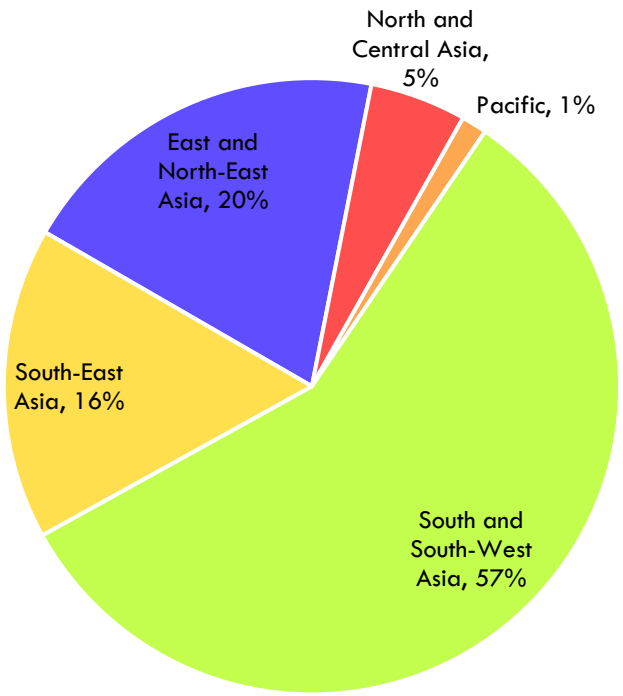
Rapid urban transit (BRT, LRT, metro) availability



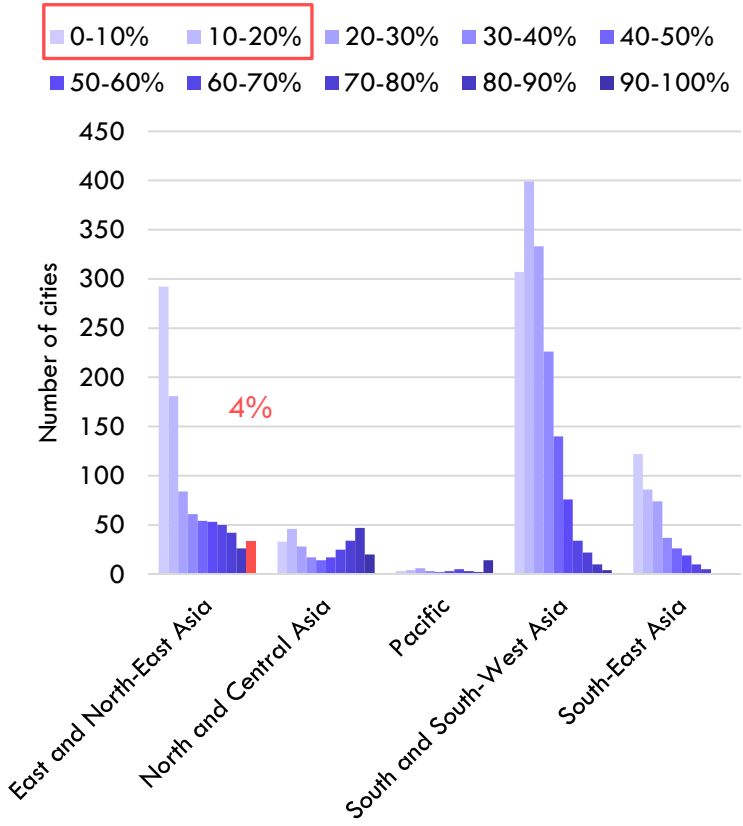
Source: Asian Transport Outlook analysis (Country Official Statistics; UIC; ITDP)

Disproportionate deficit on access

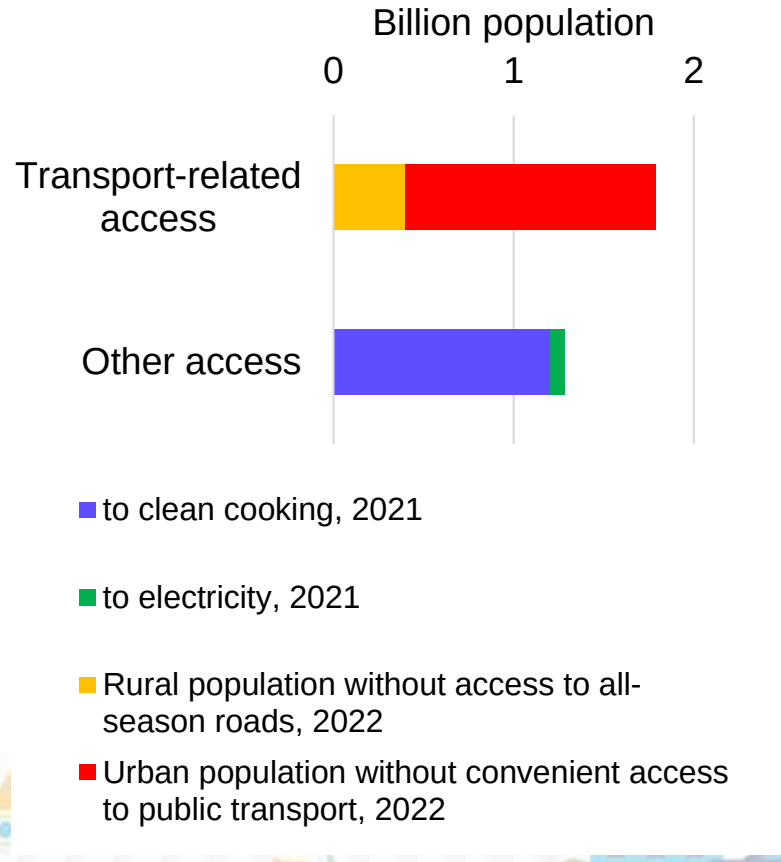
Population without access to all-season roads, share by subregion



Distribution of cities by level of access to public transport



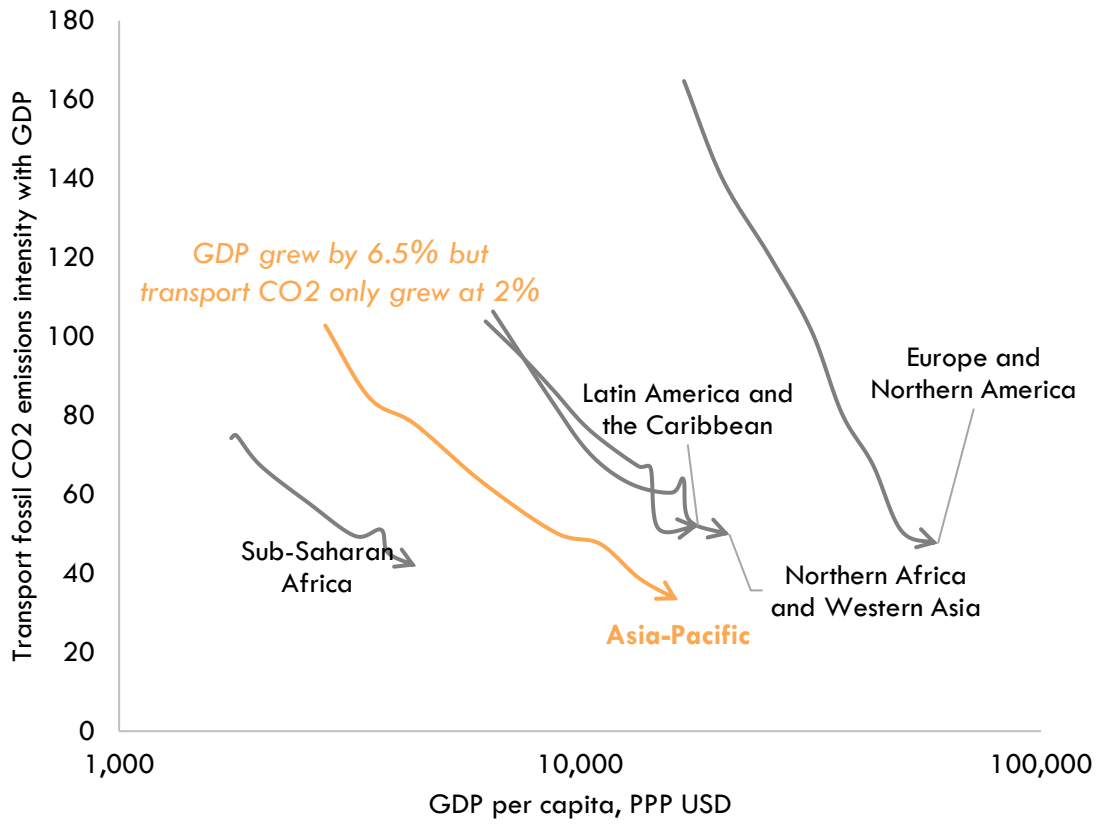
Population without access



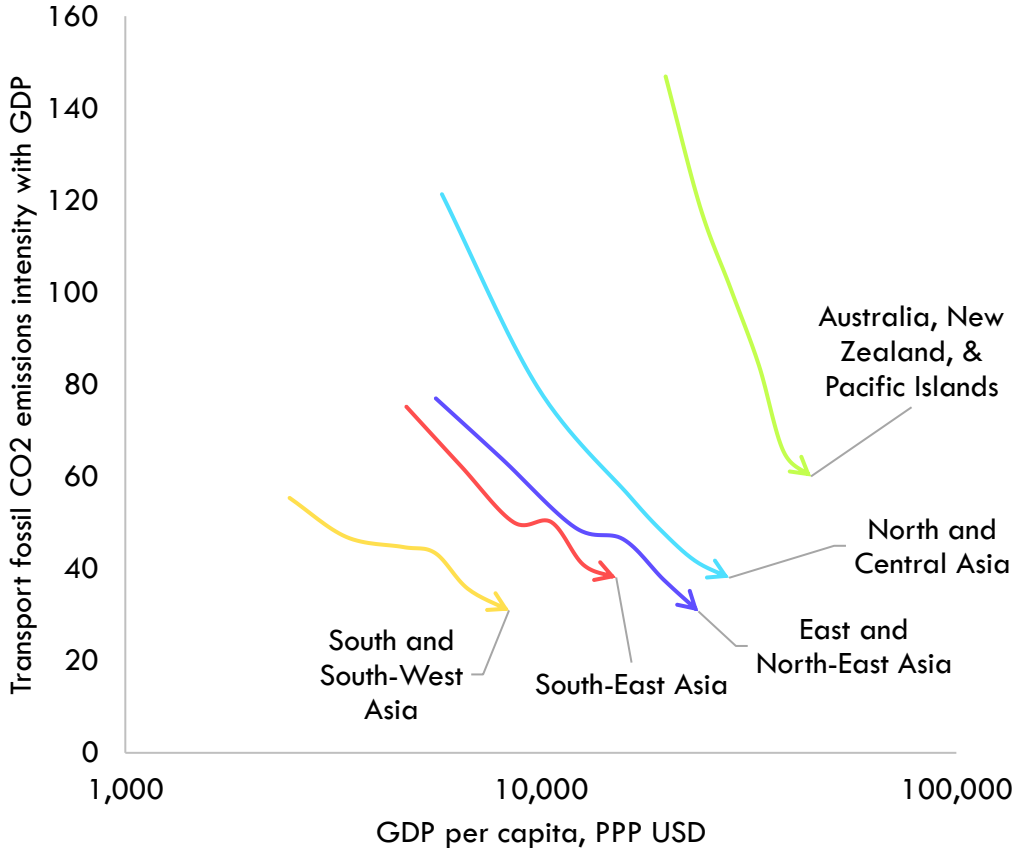
Source: Asian Transport Outlook analysis (CIESIN, 2023; UN)

Different pace at the decarbonization race

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



(at the subregional level)

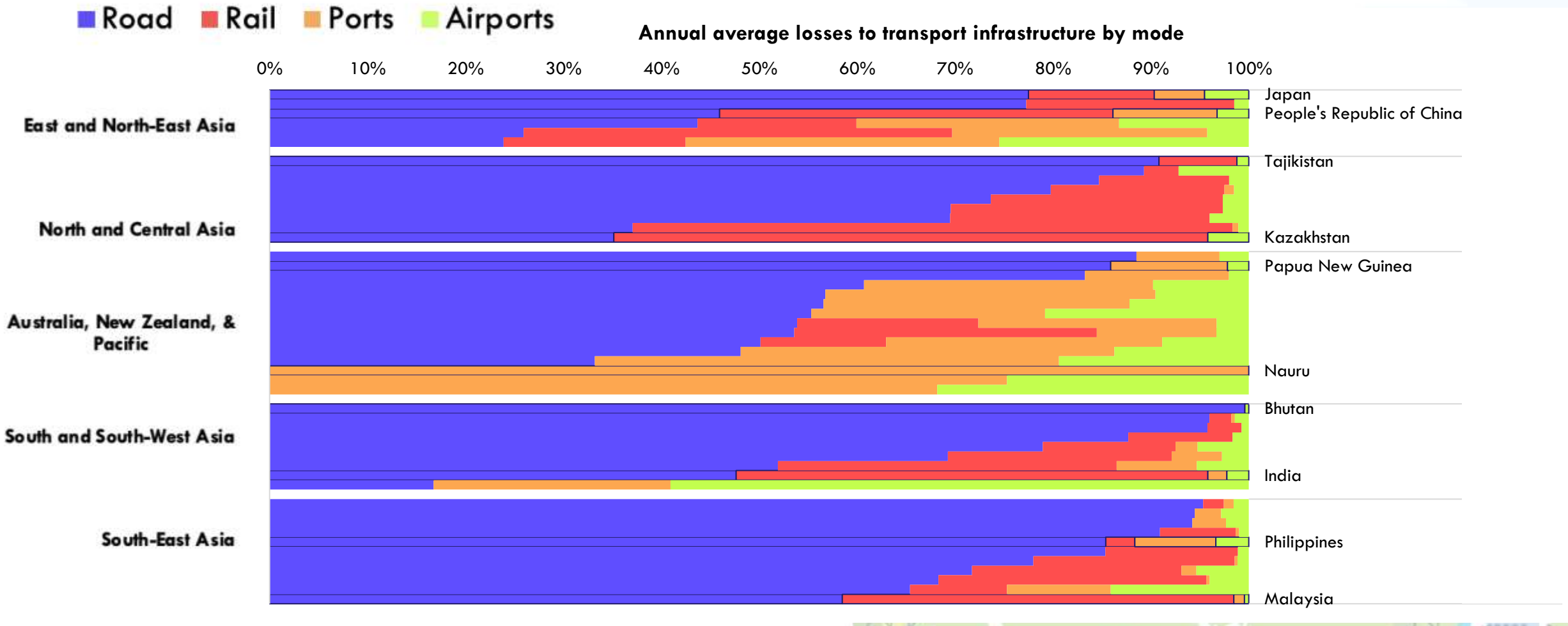


Share of transport in fossil CO2 emissions varies across countries from 7% to 40%

Source: Asian Transport Outlook analysis (EDGAR, 2023; World Bank)

Sensitivity to hazards vary across modes

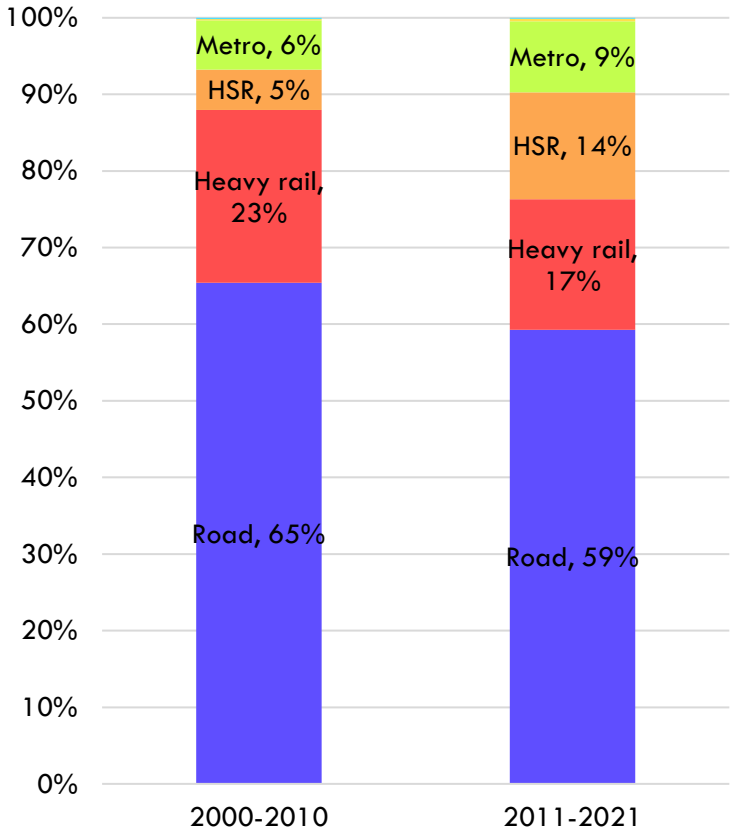
Asia has 38% of world's transport infrastructure, but will potentially face 68% of global damages



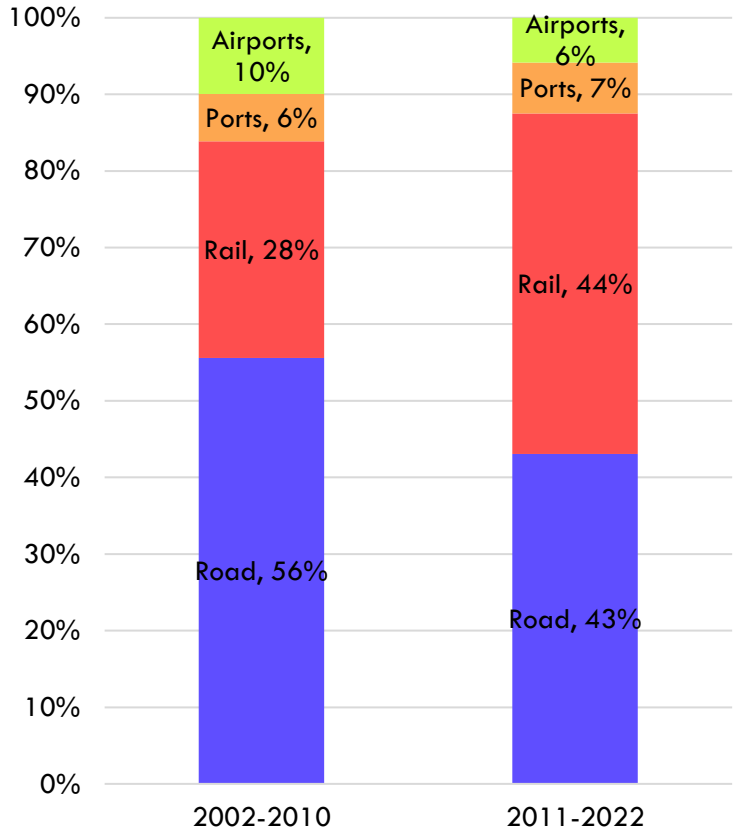
Source: Asian Transport Outlook analysis (CDRI, 2023)

Investment shift towards low-carbon

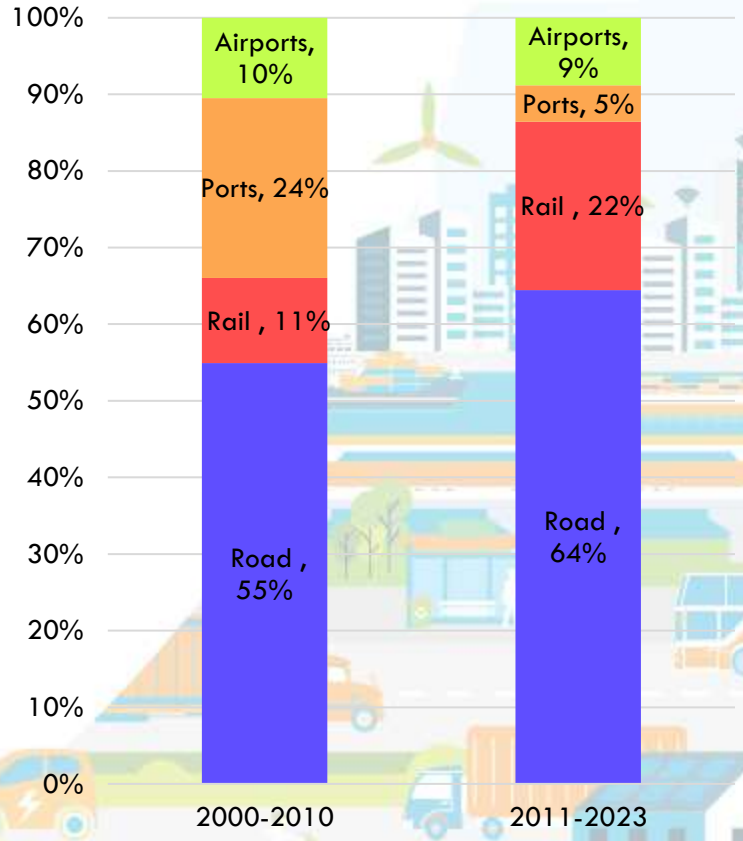
Transport infrastructure investments (construction + maintenance)



Official development assistance in the transport sector



Public-private partnership investments in the transport sector

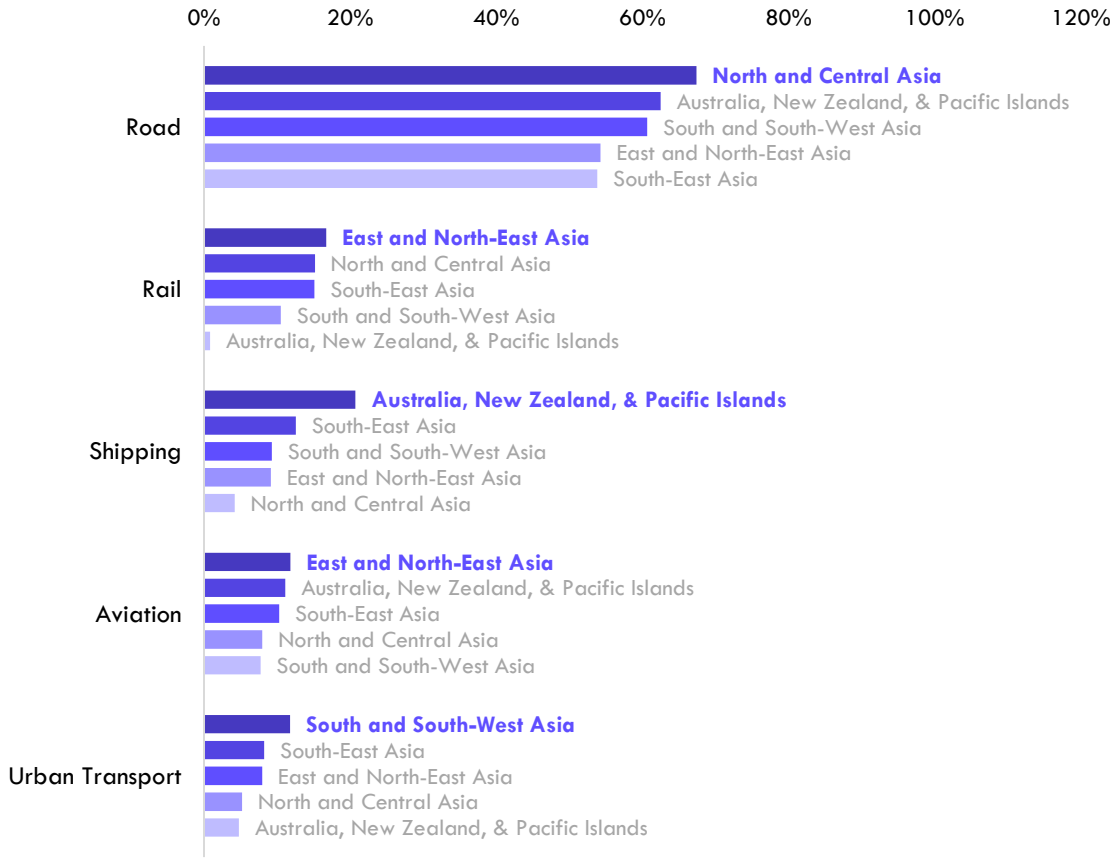


Source: Asian Transport Outlook analysis (Country Official Statistics; World Bank PPI, 2023; OECD, 2023)

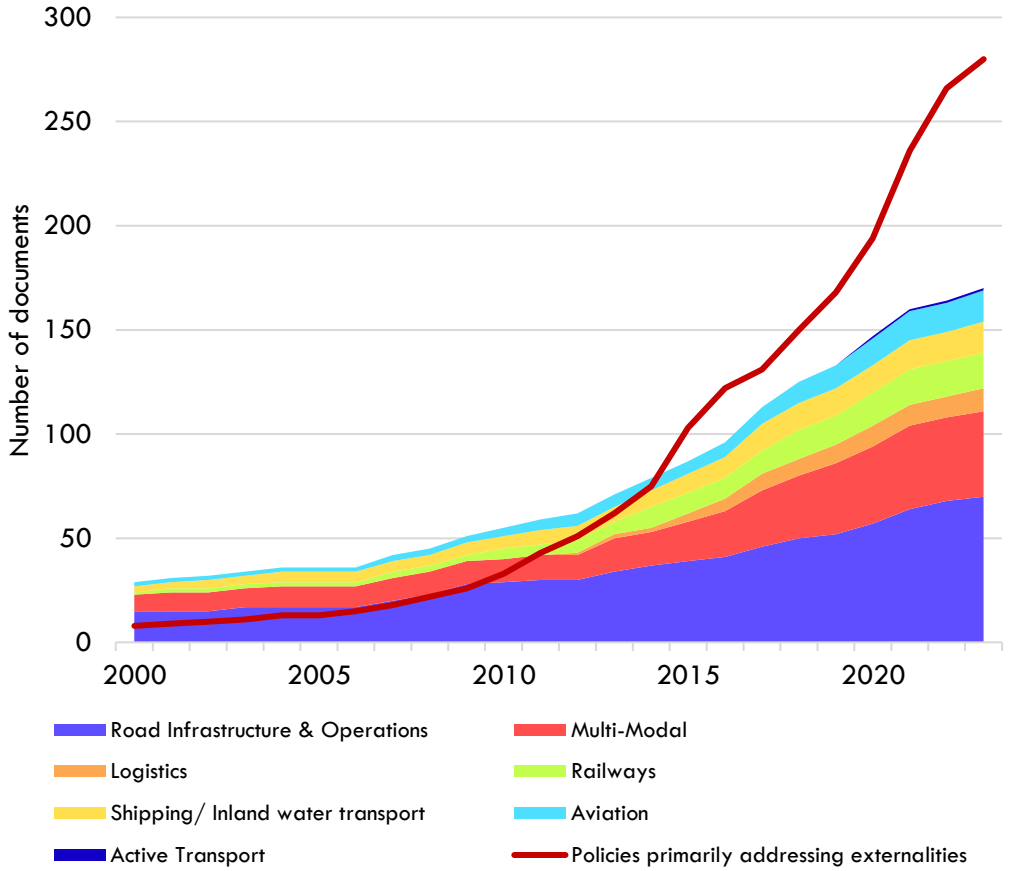
Policy ambition and focus as key driver of the shift

Based on a sample of 25 economies.

Share of transport-related policy measures by mode

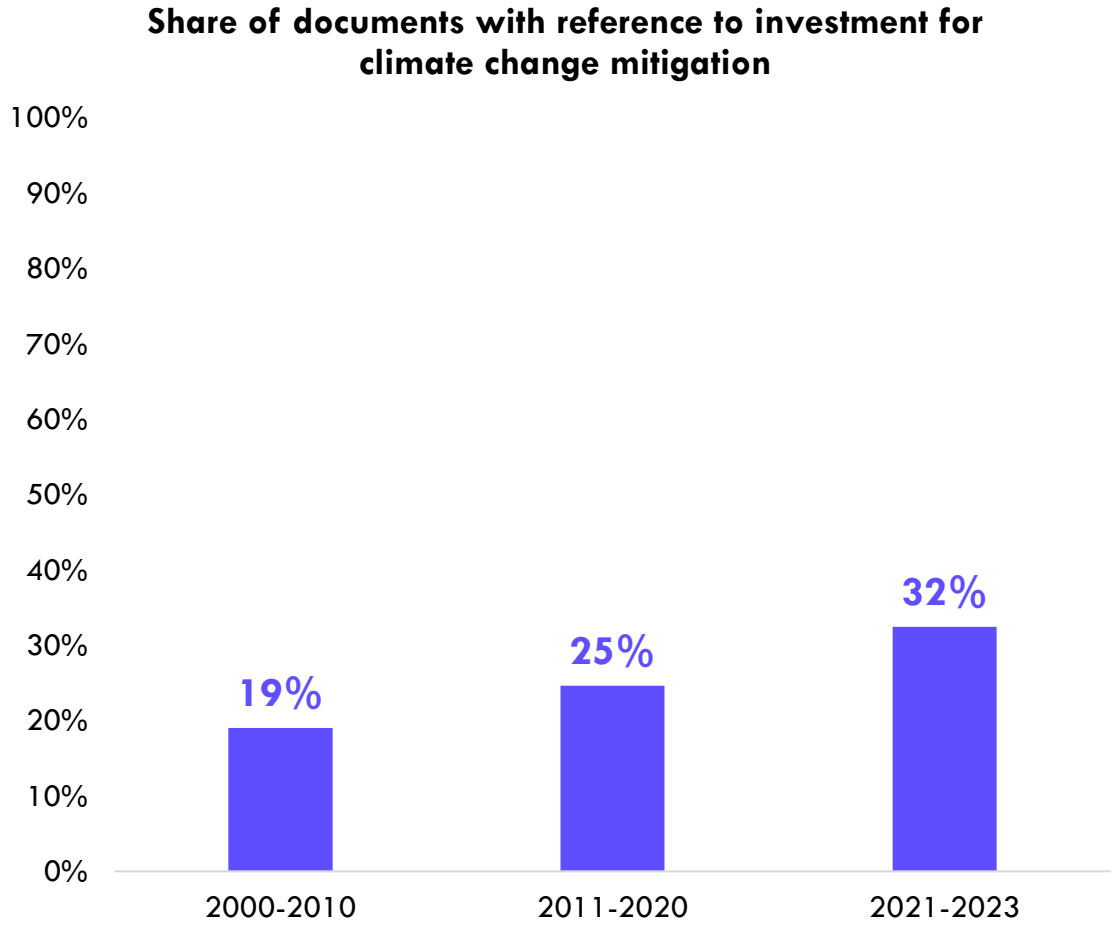


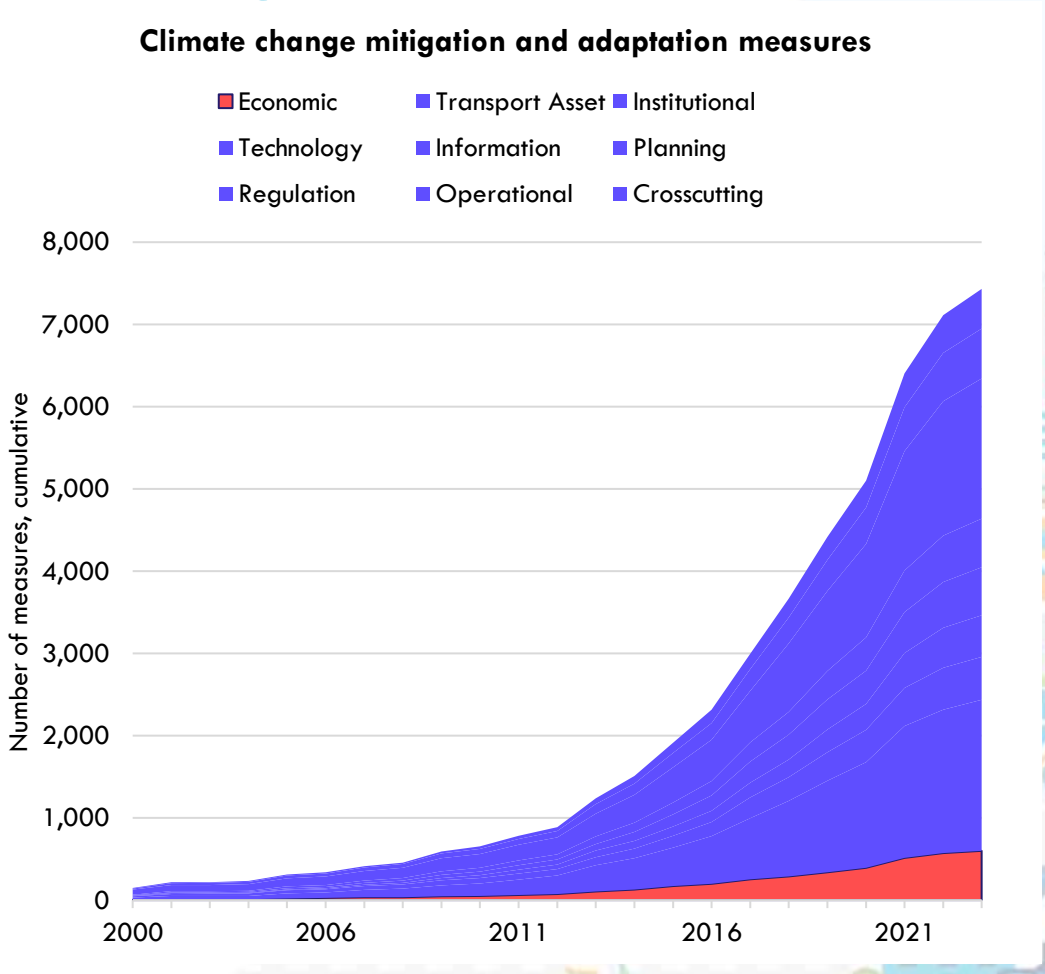
Transport policy documents by theme



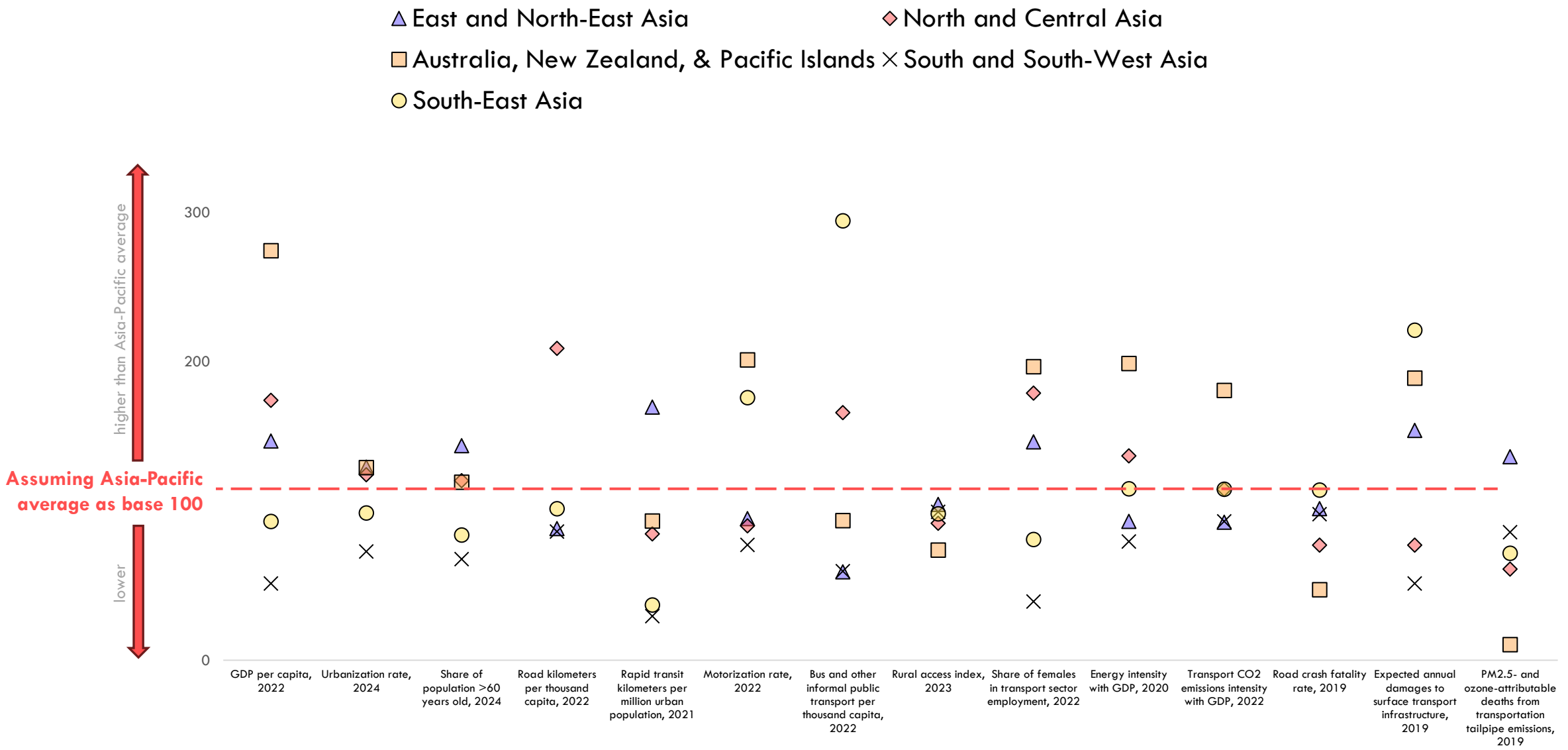
Source: National Policies

Countries waking up to the challenge





Source: National Policies


East and North-East Asia
North and Central Asia
Australia, New Zealand, & Pacific Islands
South and South-West Asia
South-East Asia
higher than Asia-Pacific average
Assuming Asia-Pacific average as base 100
lower
300
200
0
GDP per capita, 2022
Urbanization rate, 2024
Share of population >60 years old, 2024
Road kilometers per thousand capita, 2022
Rapid transit kilometers per million urban population, 2021
Motorization rate, 2022
Bus and other informal public transport per thousand capita, 2022
Rural access index, 2023
Share of females in transport sector employment, 2022
Energy intensity with GDP, 2020
Transport CO2 emissions intensity with GDP, 2022
Road crash fatality rate, 2019
Expected annual damages to surface transport infrastructure, 2019
PM2.5- and ozone-attributable deaths from transportation tailpipe emissions, 2019

"ATO translates data into insights, policies, and investments"

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