

Trends, Data and Tools: Scaling Up Climate Ambition in the Transport Sector in Asia and the Pacific

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Co-Team Leads

Asian Transport Observatory

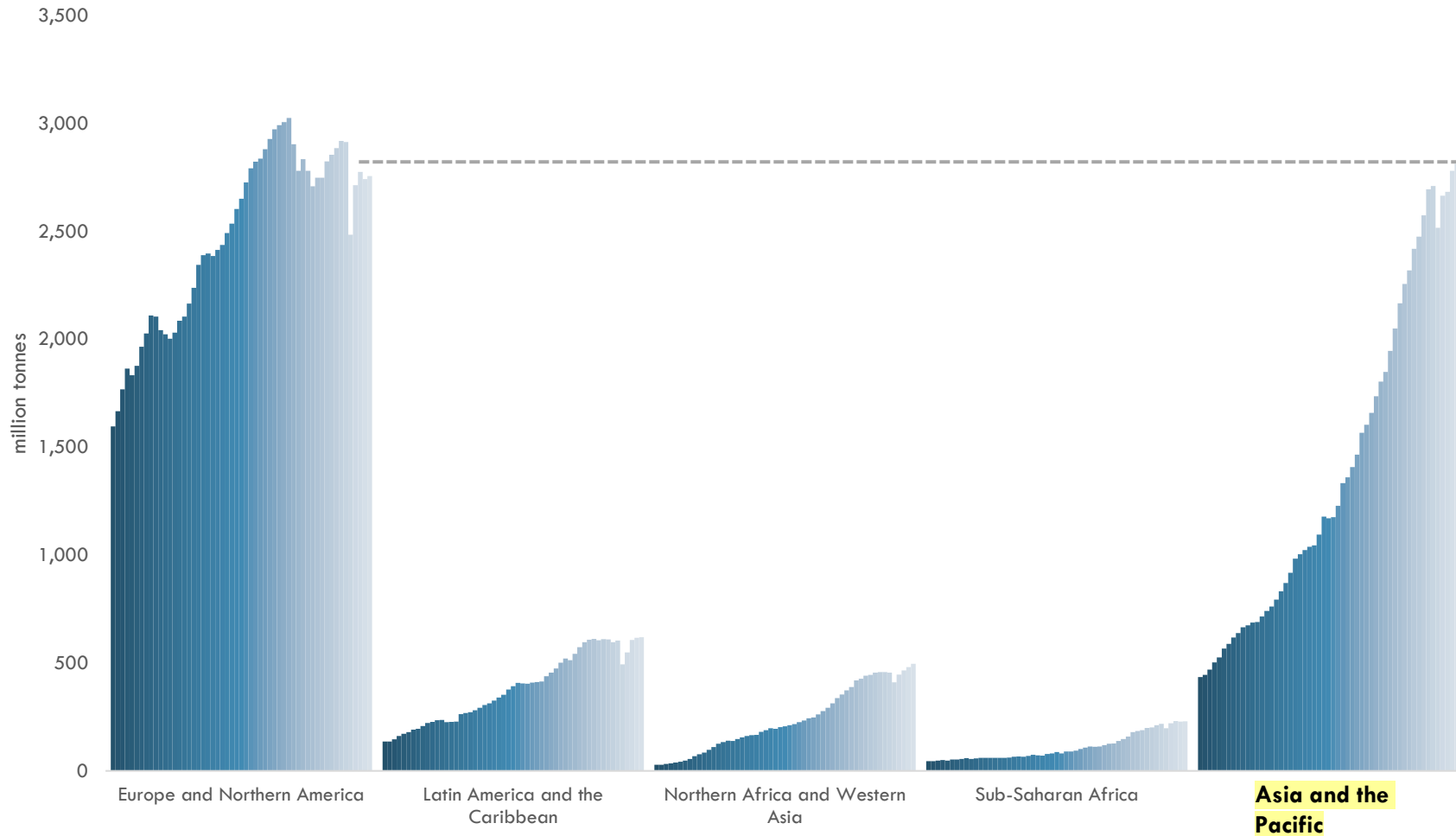
Ramping up the Ambition of Transport-Related Climate Policy Targets in Asia and the Pacific

September 2 2026



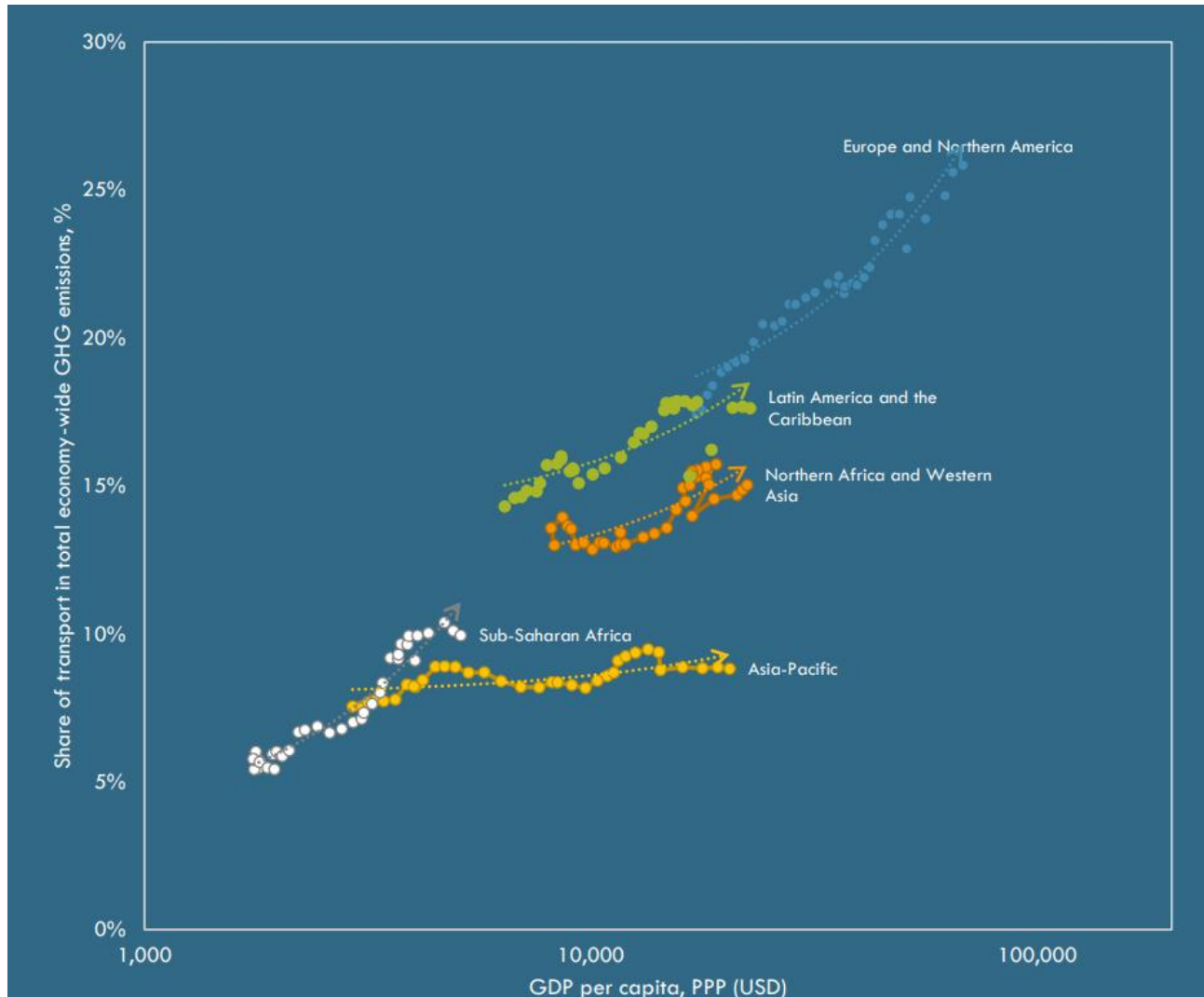
Shifts and Changes

Shifting Epicenter of Transport Emissions



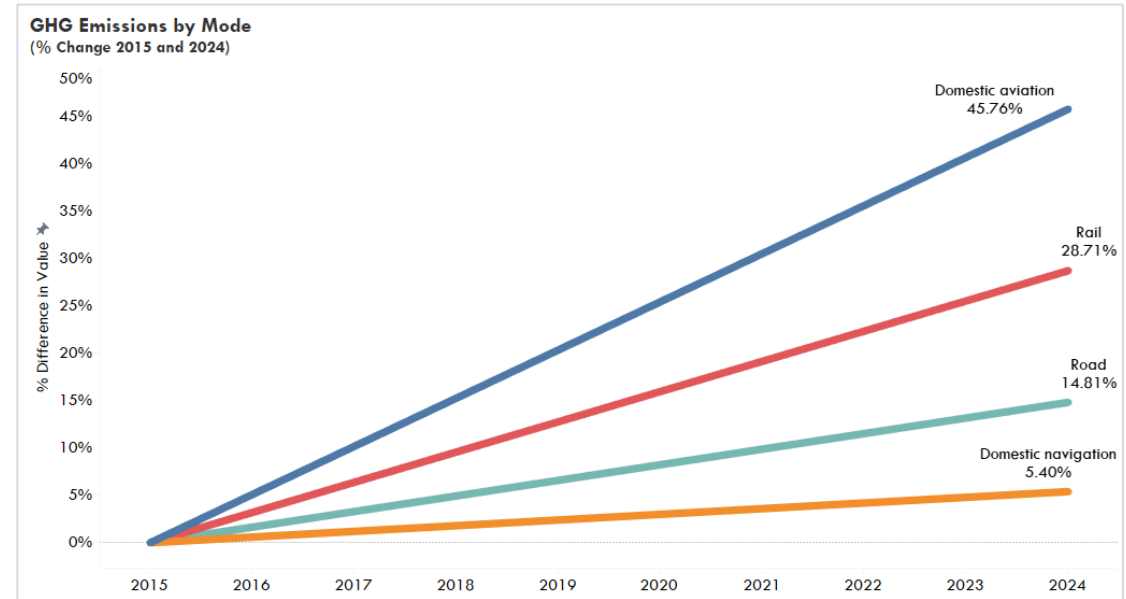
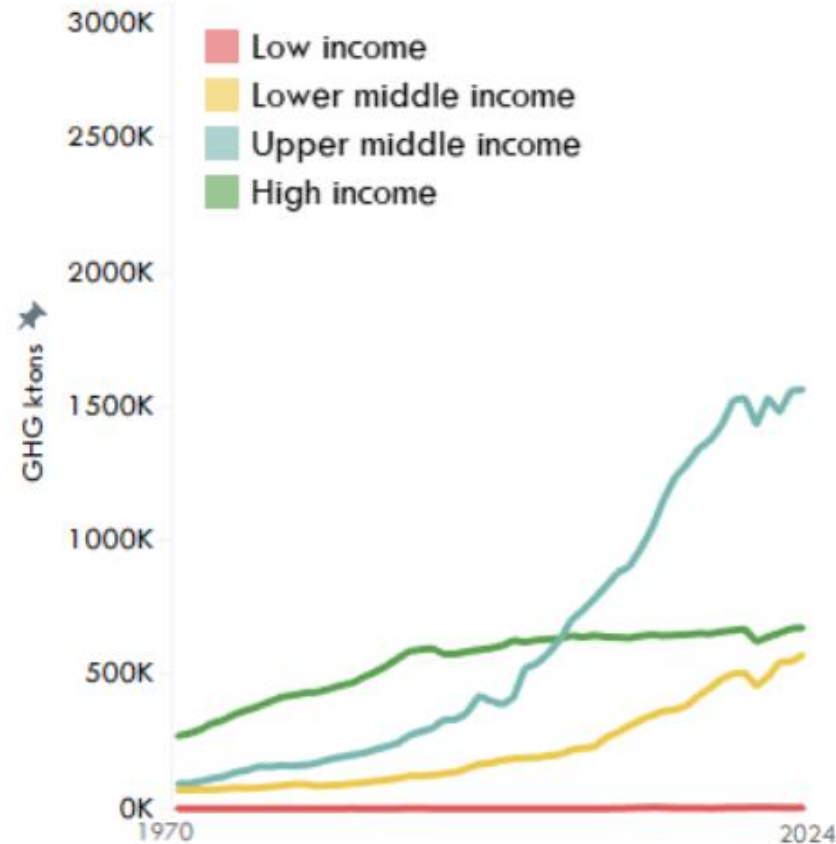
In 2024, domestic transport GHG emissions across the Asia and the Pacific region reached 2.81 billion tons, surpassing the combined domestic transport emissions of Europe and North America.

Shifting Pathways



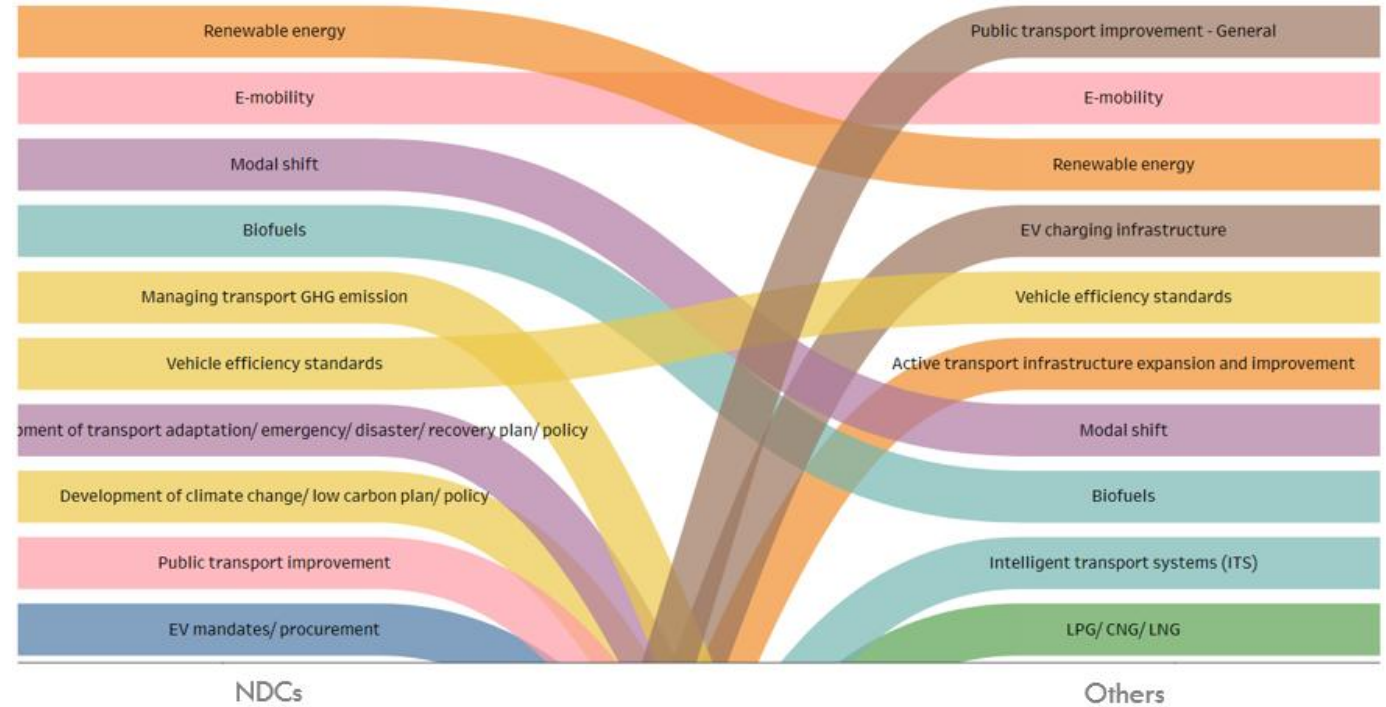
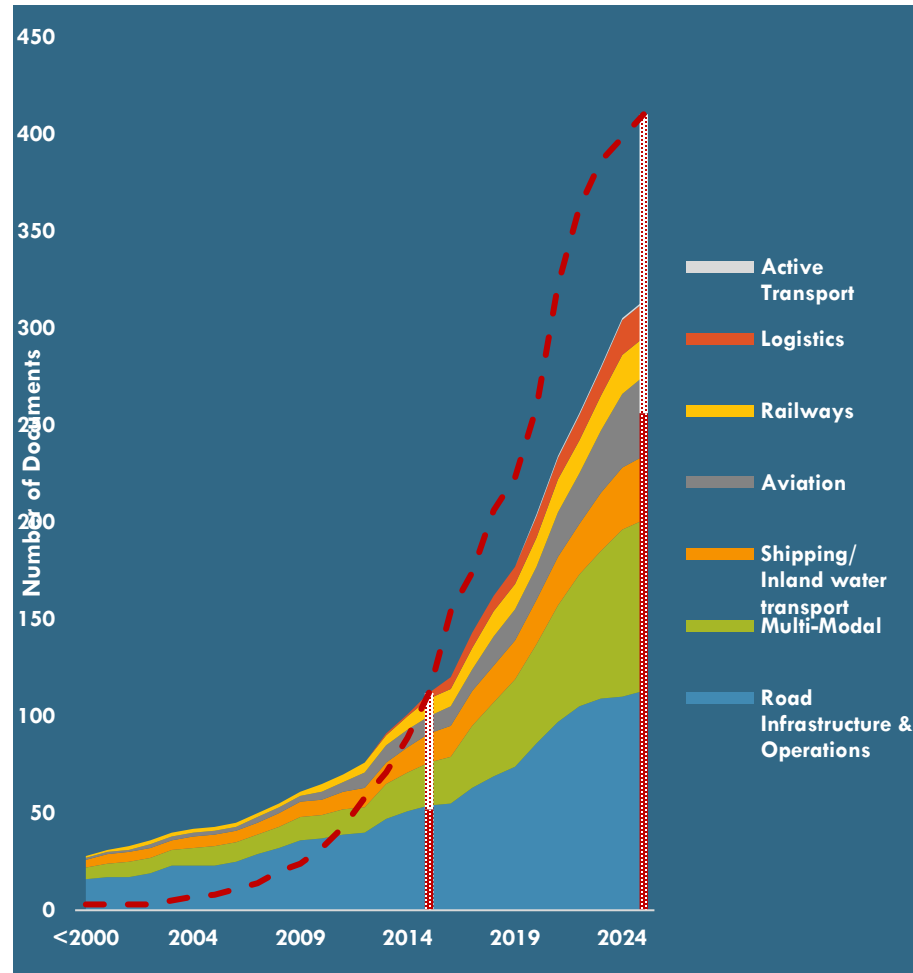
Asia and the Pacific appears to be following a different transport-emissions trajectory from today's developed regions—economic growth is occurring at much lower transport emissions intensity (per capita) and share % of transport, and the regional curves may already be beginning to flatten.

Changing Profiles



Profiles and compositions are changing. High-income economies are broadly plateauing, while upper-middle-income economies have become the largest source of emissions and lower-middle-income economies are rising rapidly. The modal pattern is also evolving: since 2015, domestic aviation has recorded the fastest emissions growth, followed by rail and road.

Evolution and Uptake – Policy Measures



Asia's transport policy landscape has expanded rapidly. Policy attention increasingly covers multimodal transport, shipping, aviation, logistics and active mobility. NDCs do not necessarily reflect the full levels of ambition and comprehensiveness of climate-related measures.

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Strengthening the knowledge base of transport in Asia-Pacific

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ATO National Database

Explore over 450 transport indicators from 51 economies divided across nine categories



ATO National Transport Policy Documents Database

Explore close to 1100 transport policy documents in Asia and the Pacific



ATO Urban Database

Explore more than 260 urban level transport indicators across nine categories



ATO Cost Database

Explore more than 1,300 transport-related projects and benchmark their costs within subregions or income groups in Asia and the Pacific



ATO Analytical Outputs

Read about analysis made using ATO transport data and policy information

ATO Databases

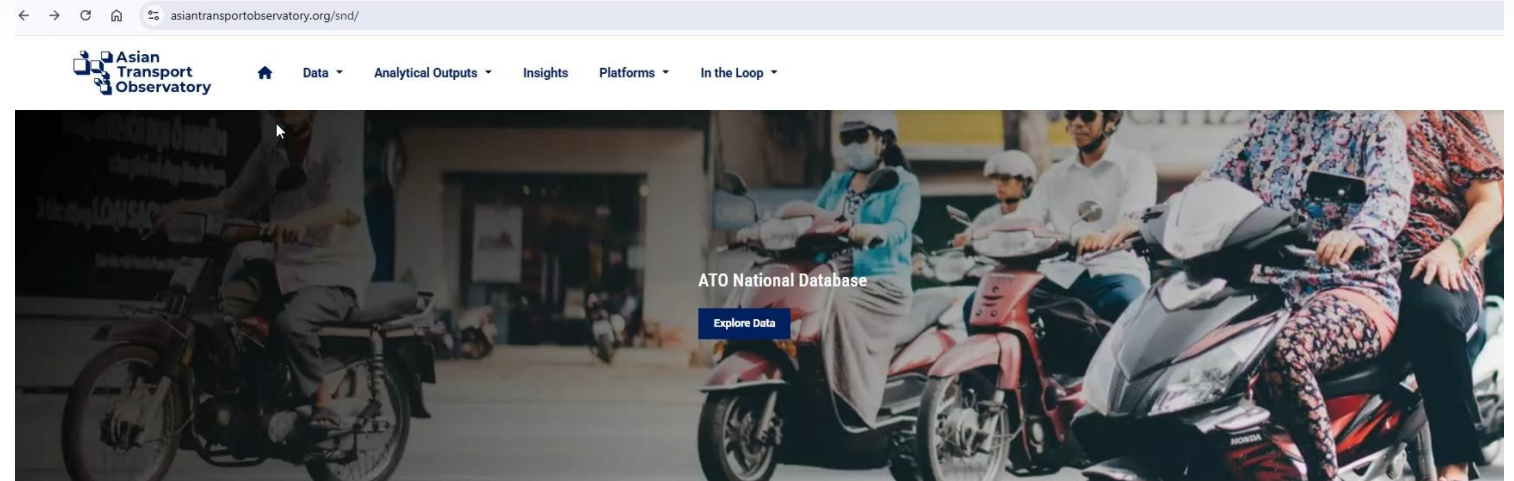
ATO National Database

500+ unique indicator sets



ATO Urban Database

300+ unique indicators sets



Outline

About the ATO National Database
 ATO National Database Masterlist of Indicators
 ATO National Database User Guide

About the ATO National Database

The Asian Transport Outlook (ATO) National Database is a collection of national-level indicators on the transport sector in 51 economies in the Asia Pacific region using about 400 Indicators. The database also includes relevant information on policy frameworks for transport in these economies.

The information is organized into 9 workbooks:

1. Infrastructure (INF)
2. Transport Activity & Services (TAS)
3. Access & Connectivity (ACC)
4. Road Safety (RSA)
5. Air Pollution & Health (APH)
6. Climate Change (CLC)
7. Socio-Economic (SEC)
8. Transport Policy (POL)
9. Miscellaneous (MIS)

All data is derived from publicly available sources. It includes primary data gathered from country sources like national statistics agencies or transport ministries as well as secondary data published by different institutions. The sources and weblinks are included in the indicator metadata.

Transport and Climate Change Profiles

Outline

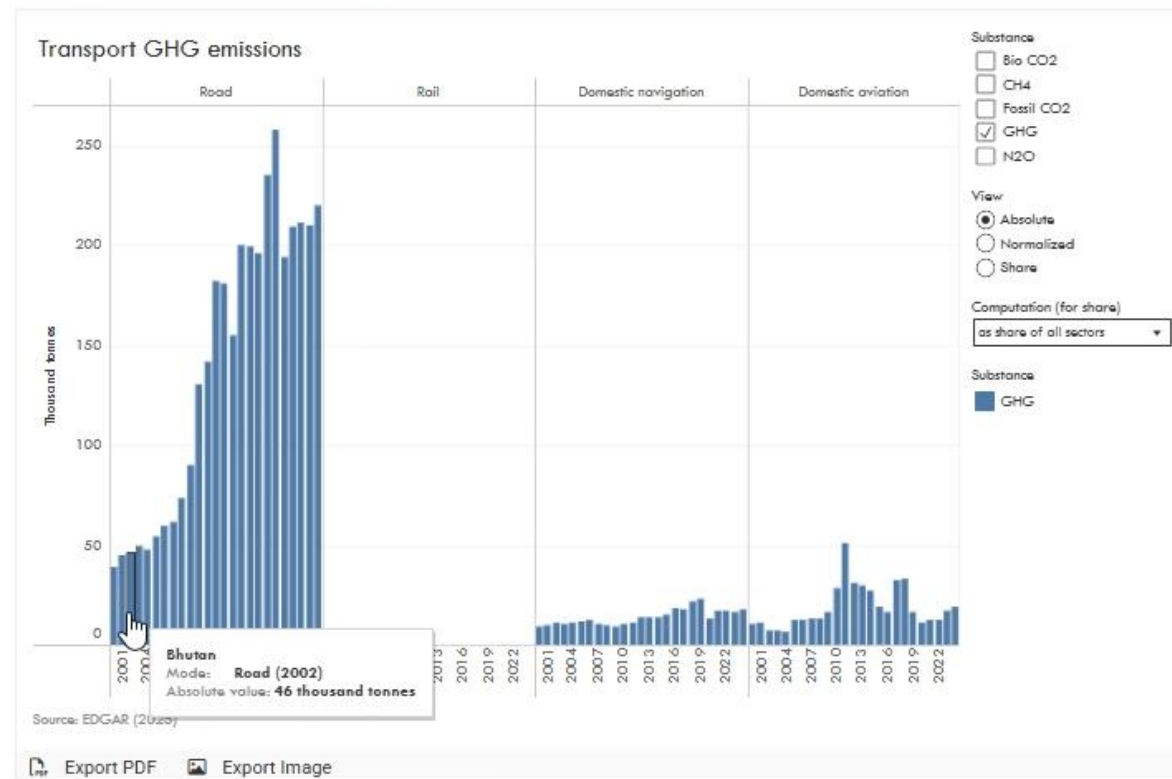
Background

[Transport and Climate Change](#)
[Transport Energy Consumption](#)
[Adaptation and Resilience](#)
[Other Externalities](#)
[Vehicle Fleet](#)
[Urban Transport](#)
[Transport Investments](#)
[Transport and Climate Policy Documents](#)
[Representation of Transport in Key Climate Policy Documents](#)
[Distribution of Transport and Climate Policy Measures in Policy Documents](#)
[National Policy Priorities on Transport](#)
[Direct GHG Targets](#)
[Indirect Transport Climate Change Targets](#)
[Transport and Climate Policy Measures](#)

annual emission tests for all vehicles, while the LCDS - Surface transport aims to implement Euro VII/BS-VII standards by 2026.

Fiscal Incentives: To catalyze market transition, the Economic Development Policy (2016) and the National Transport Policy offer a suite of fiscal measures, including tax waivers and subsidies for the purchase of hybrid and electric vehicles. **Green Hydrogen:** Looking toward emerging technologies, the Third Nationally Determined Contribution (Provisional) and the Sustainable Hydropower Development Policy (SHDP) 2021 have identified green hydrogen as a critical pathway for decarbonizing heavy-duty transport and diversifying the energy mix.

Transport and Climate Change



ATO Country Profiles

ATO Transport Sector Profiles

ATO Transport and Climate Profiles

ATO Road Safety Profiles

ATO E-mobility Profiles

ATO Maritime Transport Profiles

ATO Green Roads Profiles

ATO Gender in Transport Profiles

ATO Rail Sector Profiles

ATO Aichi Profiles

ATO Transport and Air Pollution Profiles

ATO Urban Profiles

ATO Urban Transport Sector Profiles

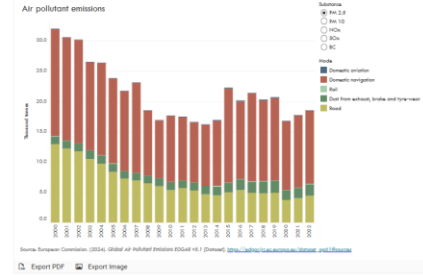
ATO Urban Transport State of Play Presentations

ATO Regional Profiles

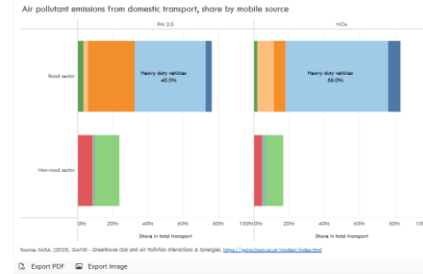
Outline

- Maritime assets
 - Port area in 2025
 - Ships built by country of building, annual
 - Mechan fleet by country of beneficial ownership, annual
 - Ship recycling
 - Trade - Navigation total employment
- Activity
 - Container port throughput
 - Port call and performance statistics
 - Trade mode share
 - Port Activity
 - Trade openness index
 - Seafarer supply
 - Top 10 Freight Transport Expenditure in USD (Report)
 - Top 10 Freight transport work in thousand ton-km (Report)
 - Top 10 Freight transport work in thousand ton-km (Report)
- Connectivity and performance
 - LPI
 - Line shipping connectivity index
 - Port line shipping connectivity index
 - Bilateral line shipping connectivity index
 - Trade cost
 - Container port performance index
 - Remoteness index
 - Sustainable freight transport index
 - Percent of firms identifying transport as a major constraint
- Shipping emissions
 - EDGAR GHG 2025
 - Transport energy consumption
 - EDGAR AP 8.1
 - GAIS emissions
 - Adaptation and resilience
 - Hazard exposure
 - Average annual loss
 - Port risk
 - Maritime-related disasters
 - Investment on ports
 - Development financing
 - Private participation in infrastructure
 - Policy Targets
 - Policy Measures
 - Status of conventions

EDGAR AP 8.1

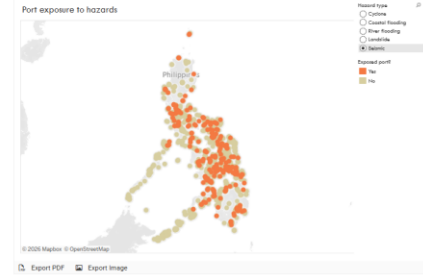


GAIS emissions

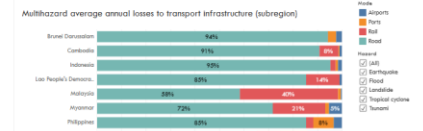


Adaptation and resilience

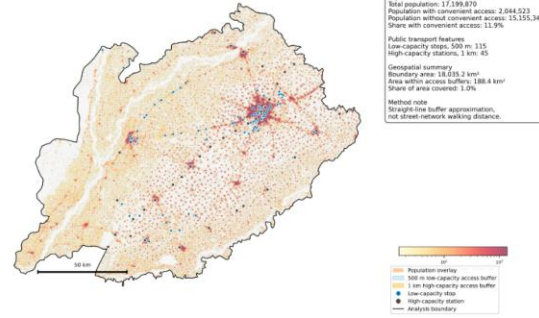
Hazard exposure



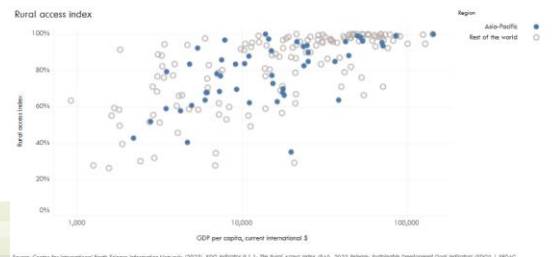
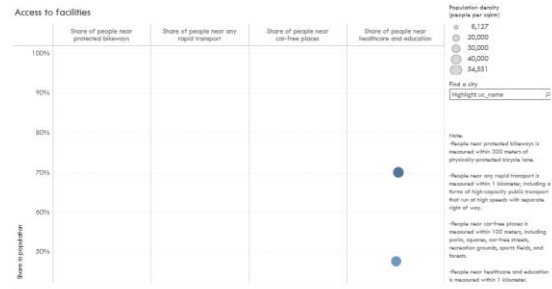
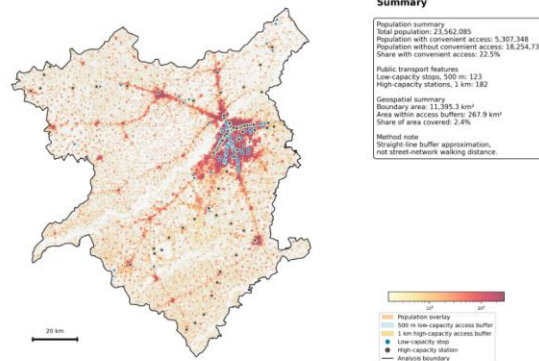
Average annual loss



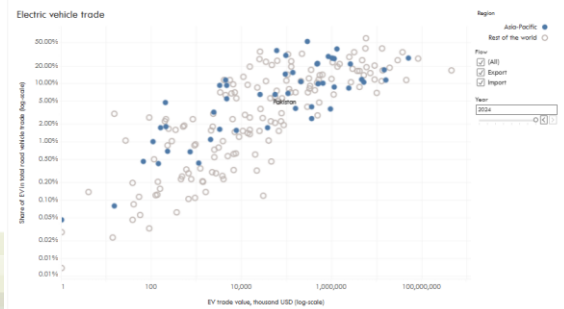
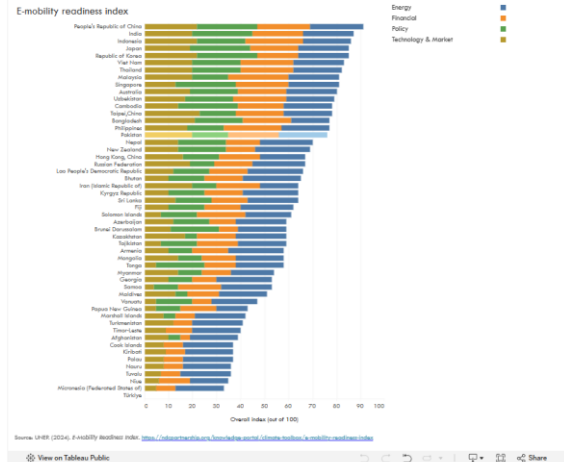
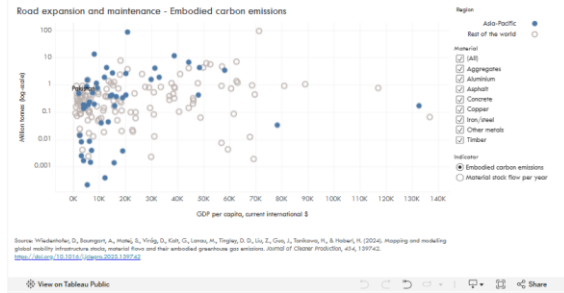
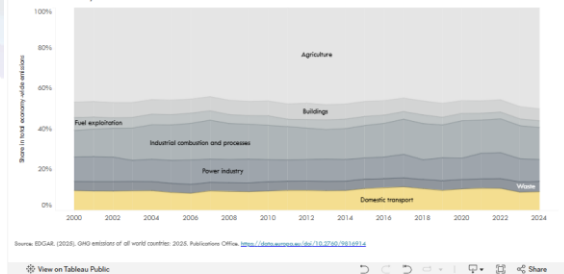
Faisalabad Public Transport Access, SDG 11.2.1 Approximation



Lahore Public Transport Access, SDG 11.2.1 Approximation



GHG emissions by sector



ASIAN INFRASTRUCTURE
INVESTMENT BANK

Asia and the Pacific Transport Development Finance Explorer

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Recipient Profile

UN Decade

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Asia and the Pacific Transport Development Finance Explorer

Tracking finance for low-carbon, resilient, safe, and inclusive transport

Regional Overview

This regional overview page provides a high-level snapshot of transport development finance in Asia and the Pacific. It summarizes the current selection through key indicators such as commitments, disbursements, financial instruments, recipient economies, providers, and transport subsectors.

Users can explore how finance is distributed across economies, modes, and development priorities, including low-carbon, resilient, safe, and inclusive transport. The page also highlights the largest recipients and providers in the current filtered selection, allowing users to see which economies and institutions account for the largest shares of reported transport development finance. Use the filters to refine the selection and explore the information most relevant to you.

The section on financing is based on data from the OECD (2026).

Filters

Year

1973

2024

Mode

All

Sustainability-related Tags

All

Basis

Commitments

Amounts are shown in constant 2024 USD where applicable.

Commitments

\$473.3B

Total commitments, constant 2024 USD

Recipients

50

ATO economies and Asia regional recipients

Donors

66

Finance sources in view

Records

77,571

CRS transaction lines

Recipient Map



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Donor Profile

Donor

Asian Development Bank

The Donor Profile page provides a focused view of transport-related development finance by financing partner. It allows users to explore how each donor supports transport projects across countries, years, subsectors, financing instruments, and policy priorities. The page helps identify donor focus areas, financing patterns, and opportunities for coordination by showing where resources are being directed and how they align with broader transport development needs.

Filters

Year

1973 - 2024

Recipient

All

Mode

All

Sustainability-related Tags

All

Basis

Commitments

Amounts are shown in constant 2024 USD where applicable.

Commitments

\$117.0B

Recipients

46

Agencies

7

Records

12,083

Development Finance over Time

Yearly commitments from the selected donor by transport mode, constant 2024 USD.

\$10.0B



Top Recipients

Largest recipient destinations for the selected donor.

India

People's Republic of





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Recipient Profile

The Recipient Profile page provides a country-focused view of transport-related development financing. It allows users to examine how much support each recipient economy receives, which development partners are involved, which transport subsectors are being financed, and how support has changed over time. The page helps identify major financing sources, priority areas, and financing patterns for each economy, supporting a clearer understanding of how transport finance is distributed and where future support may be needed.

Recipient

Afghanistan

Filters

Year

1973

–

2024

Donor

All

Mode

All

Sustainability-related Tags

All

Basis

Commitments

Amounts are shown in constant 2024 USD where applicable.

Commitments

\$10.1B

Donors

22

Agencies

39

Records

1,504

Development Finance over Time

Yearly commitments received by the selected recipient by transport mode, constant 2024 USD.

Top Donors

Largest donors in the selected recipient's selection.

United States



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Tracking finance for low-carbon, resilient, safe, and inclusive transport

Analytical screening view

UN Decade of Sustainable Transport

This page provides a view of how transport-related development financing aligns with the focus areas of the UN Decade of Sustainable Transport. It allows users to explore projects through key sustainable transport themes, including access, safety, climate action, resilience, inclusion, and system efficiency.

Please note that the tagging information presented here is not officially reported under the OECD CRS. It is based on a separate analytical exercise using available database information such as project titles and project descriptions.

Focus Areas

☒ All focus areas
 ☐ Access for All
 ☐ Low-/Zero-Carbon, Resilient & Environmental
 ☐ Connectivity, Logistics & Efficiency
 ☐ Urban Mobility & Liveable Cities
 ☐ Safe & Secure Transport
 ☐ Science, Technology & Innovation

Filters

Year

1973

–

2024

Donor

All

Recipient

All

Mode

All

Sustainability-related Tags

All

Basis

Commitments

Amounts are shown in constant 2024 USD where applicable.

Screened Records

Records

Value

Recipients

Donors

Focus Areas



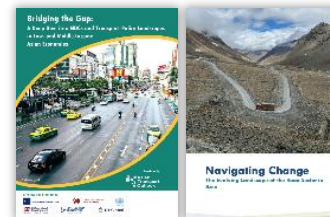
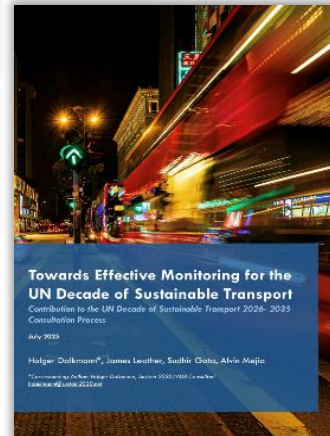
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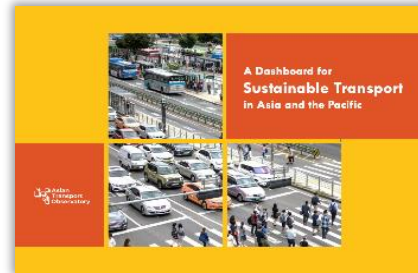
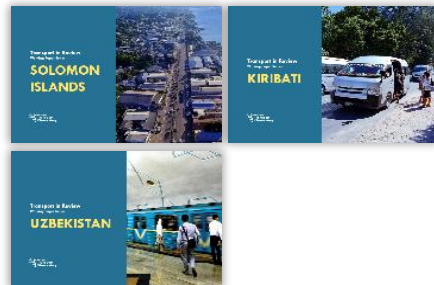




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insights, policies, and
investments”***

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