Asian Transport Observatory

Transport-relevant Data and Tools

Supporting Decarbonization, Resilience and Sustainability Goals in Tajikistan

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Co-Team Leads
Asian Transport Observatory

Strengthening the Capacity of Tajikistan to Implement Low Carbon and Resilient Transport Action Plans

June 3-4, 2026
Dushanbe

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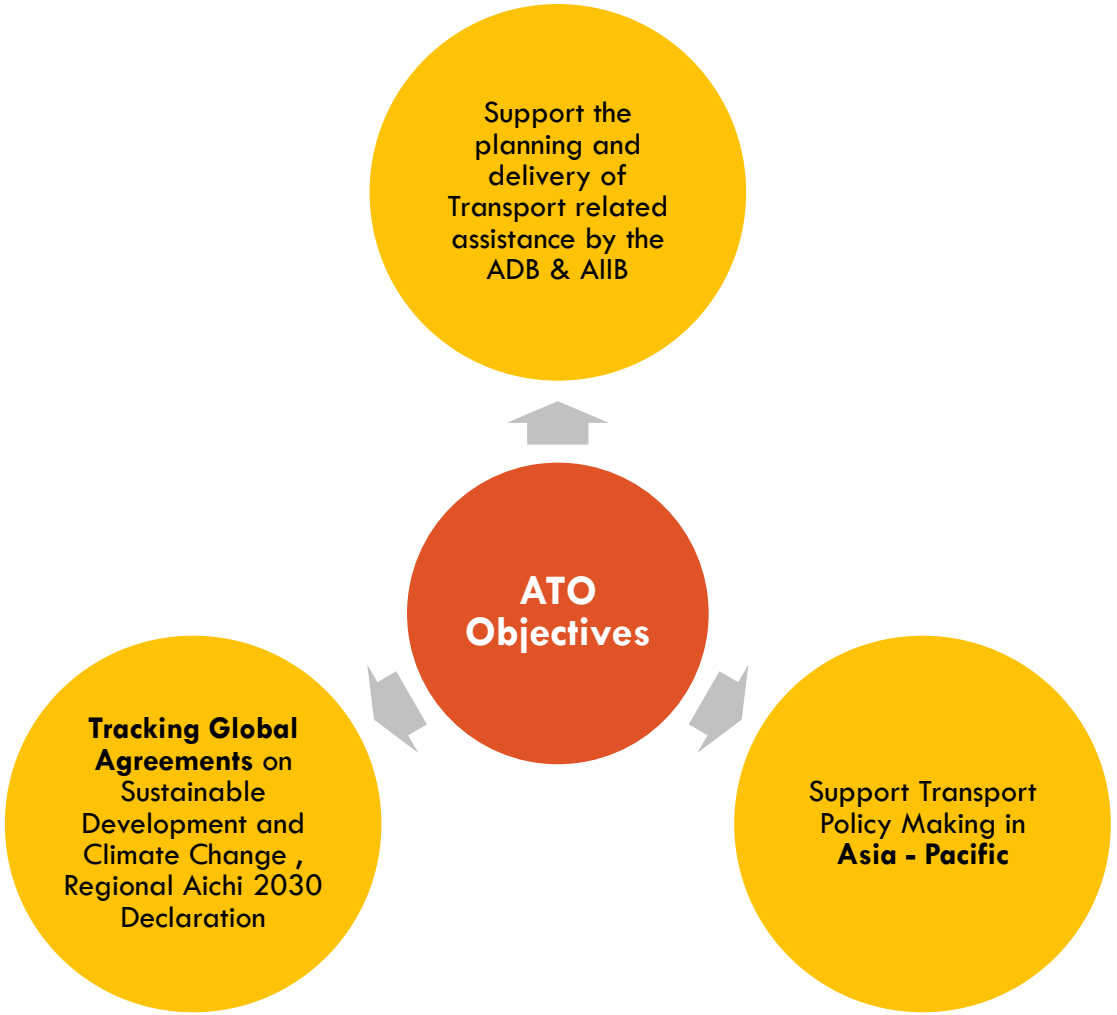
52 Economies (ADB Members + Iran and Russia)

460 Urban Centers (412 Asia-Pacific, 48 Others)

50 Urban Centers with a detailed review



Asian Transport Observatory

Dimensions Covered

- Access & Connectivity
- Infrastructure
- Safety
- Climate & Environment
- Resilience
- Finance & Economics
- Inclusion & Gender
- Governance & Policy

Data Foundations

Structured and comparable transport evidence

- National Data
- Urban Data
- Policy Database
- Cost Database

Knowledge Products

- Country Profiles
- Urban Profiles
- Regional Outlooks
- Thematic Reports
- Thematic Profiles
- Working Papers

Tools & Insights

- Dashboards
- Data Explorers
- Interactive Maps
- Benchmarking
- Visual Analytics
- Decision Support Insights

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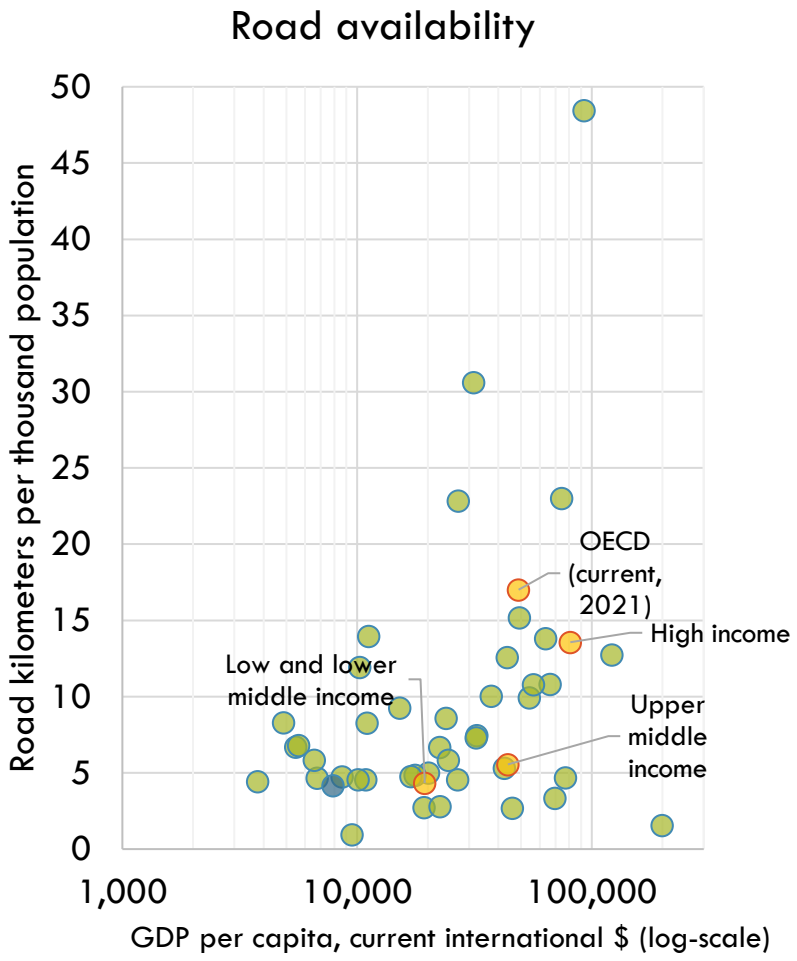
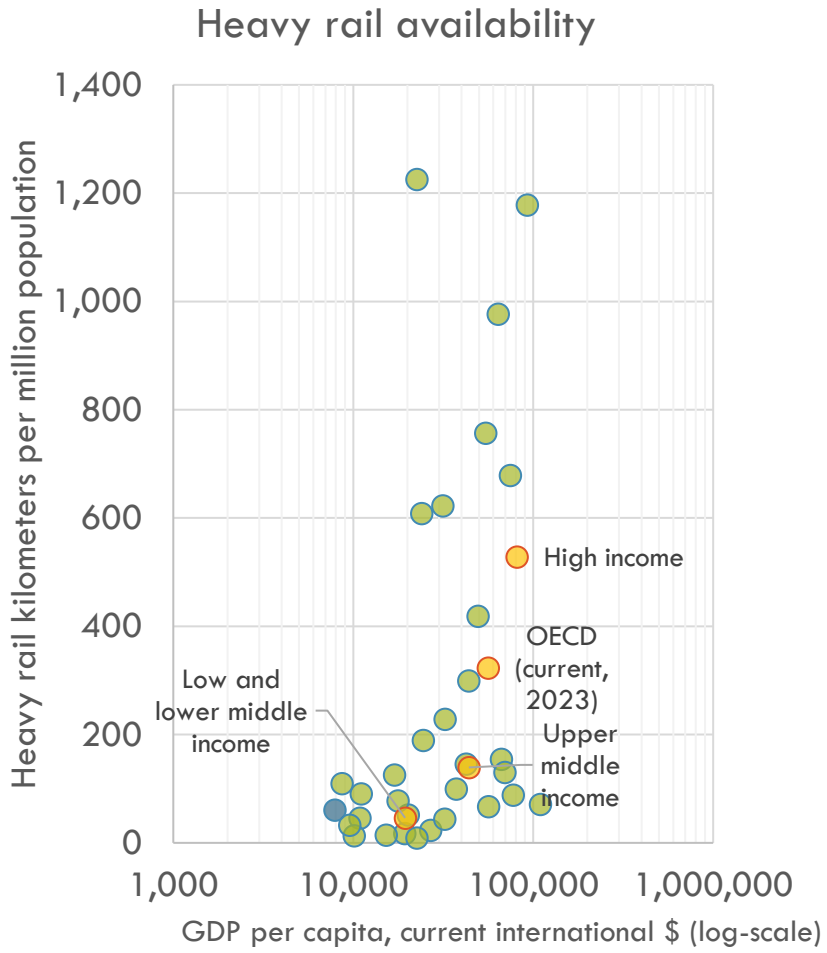
Infrastructure Provision

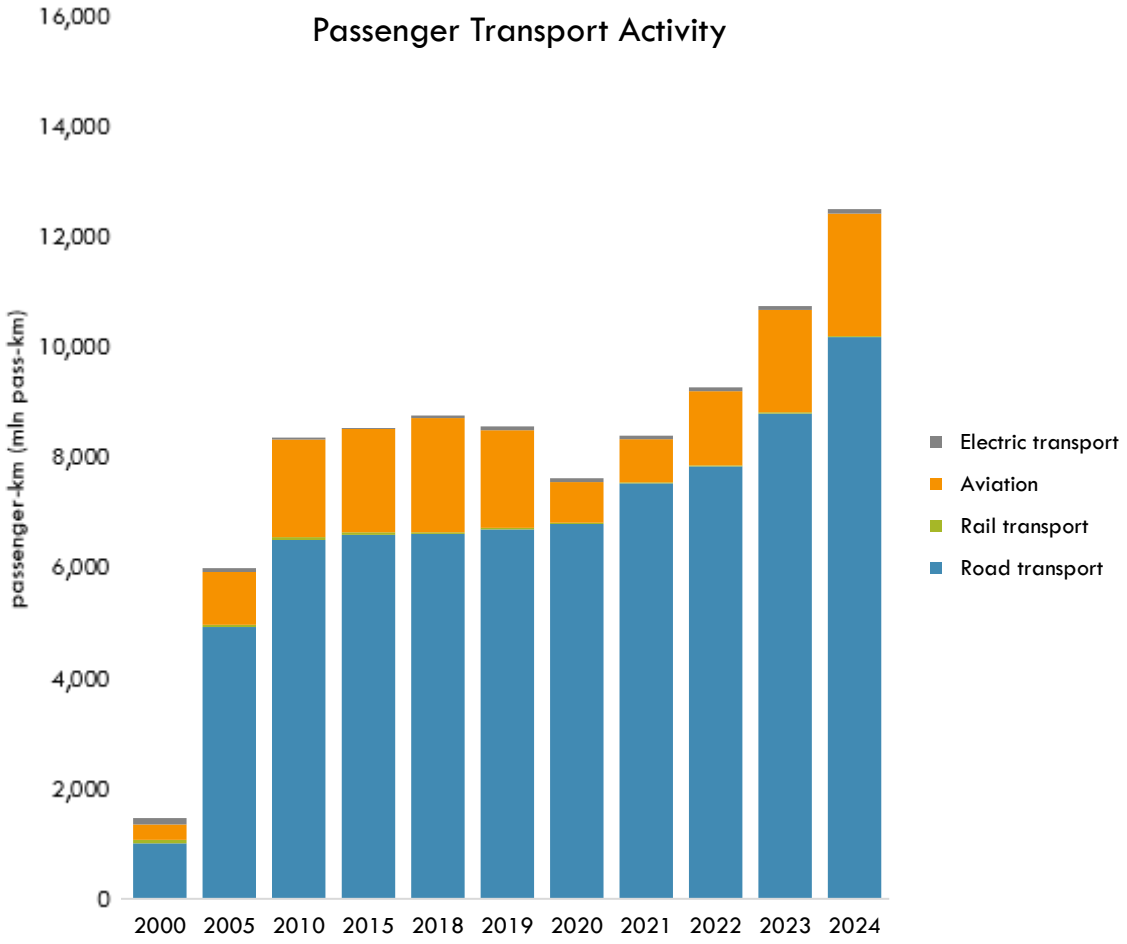




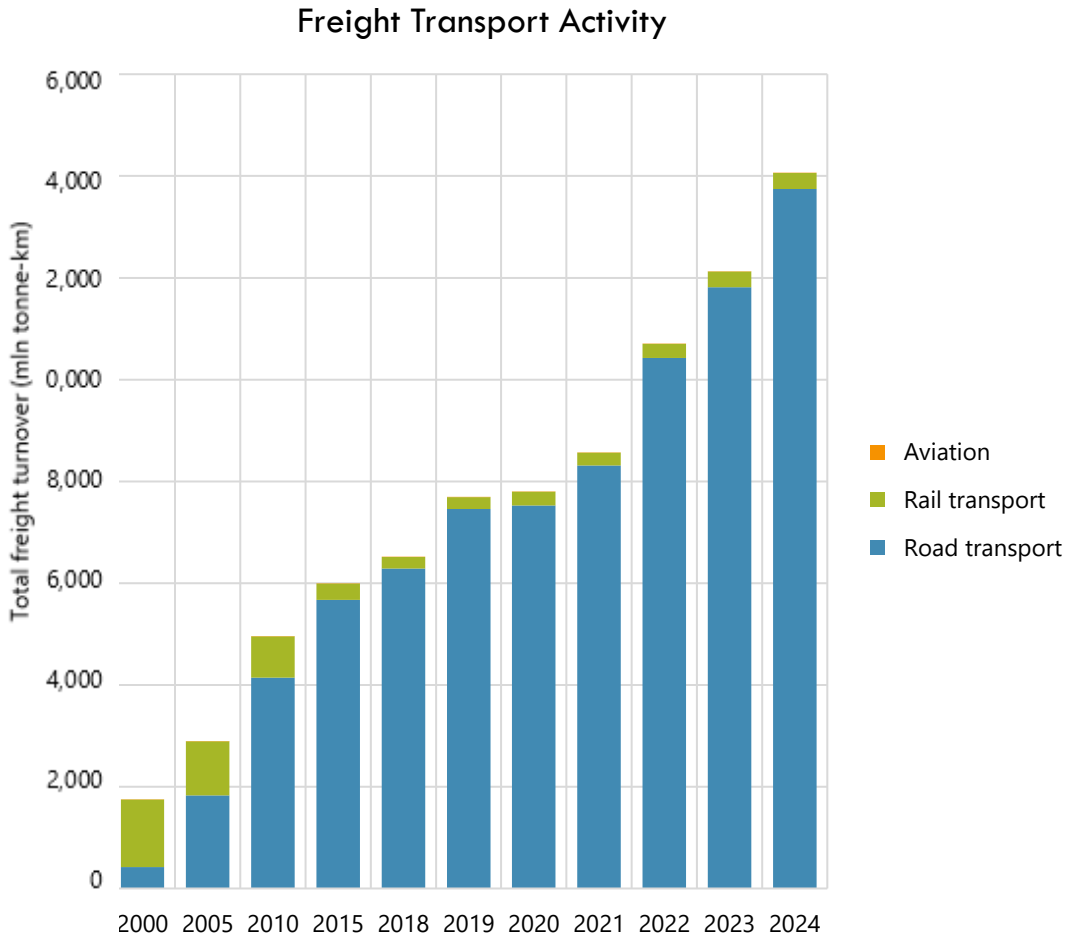
Asian Transport 2035 Outlook: Investment Needs of Low and Middle-Income Economies

Source: OECD, WB, official statistics and other sources

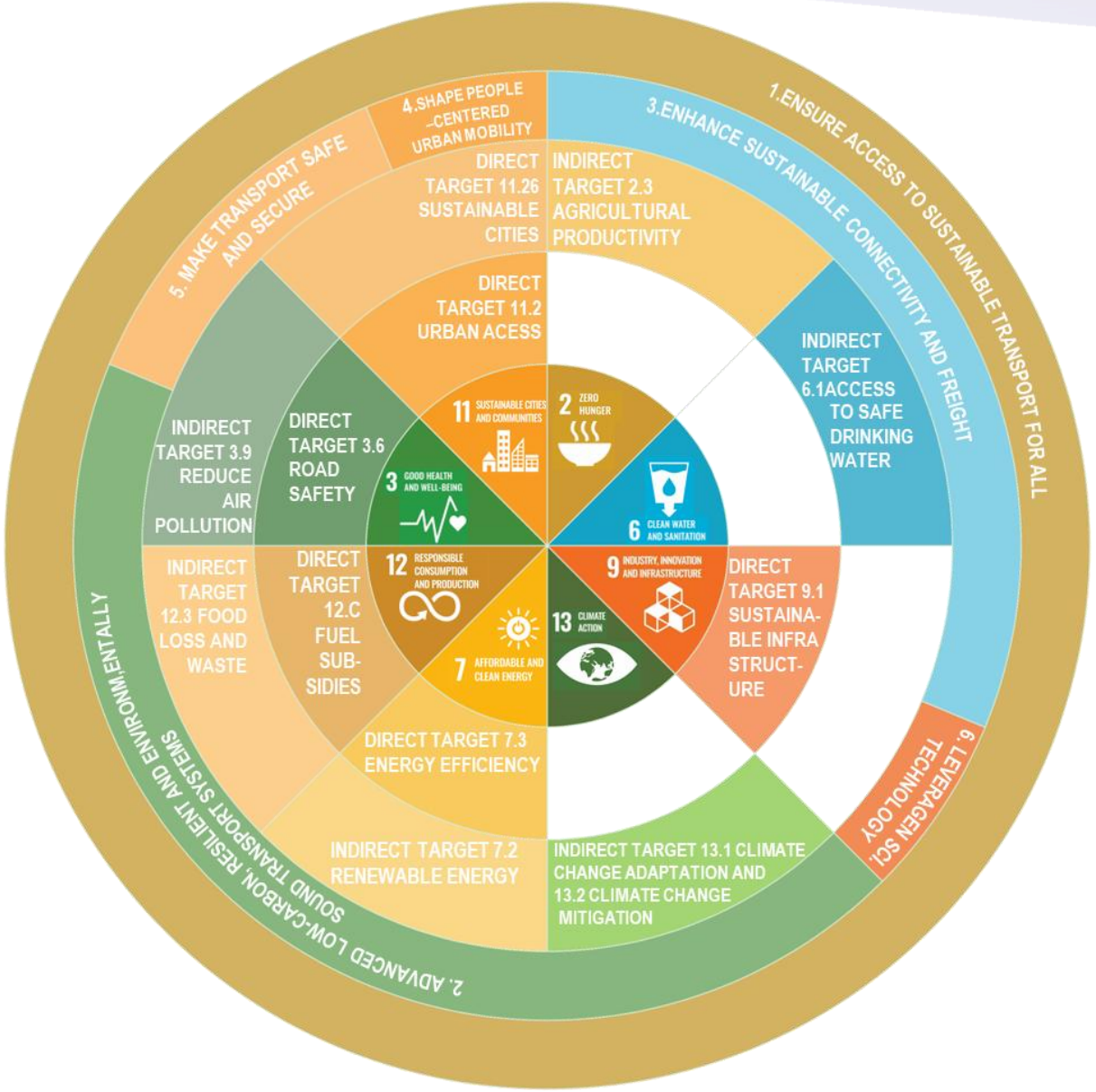
Transport Activity Estimates



Source: (TAJSTAT 2025)



Mapping of priorities and goals related to sustainable transport



ATO Country Dashboards - UN Decade of Sustainable Transport

Dashboard developed with support by:

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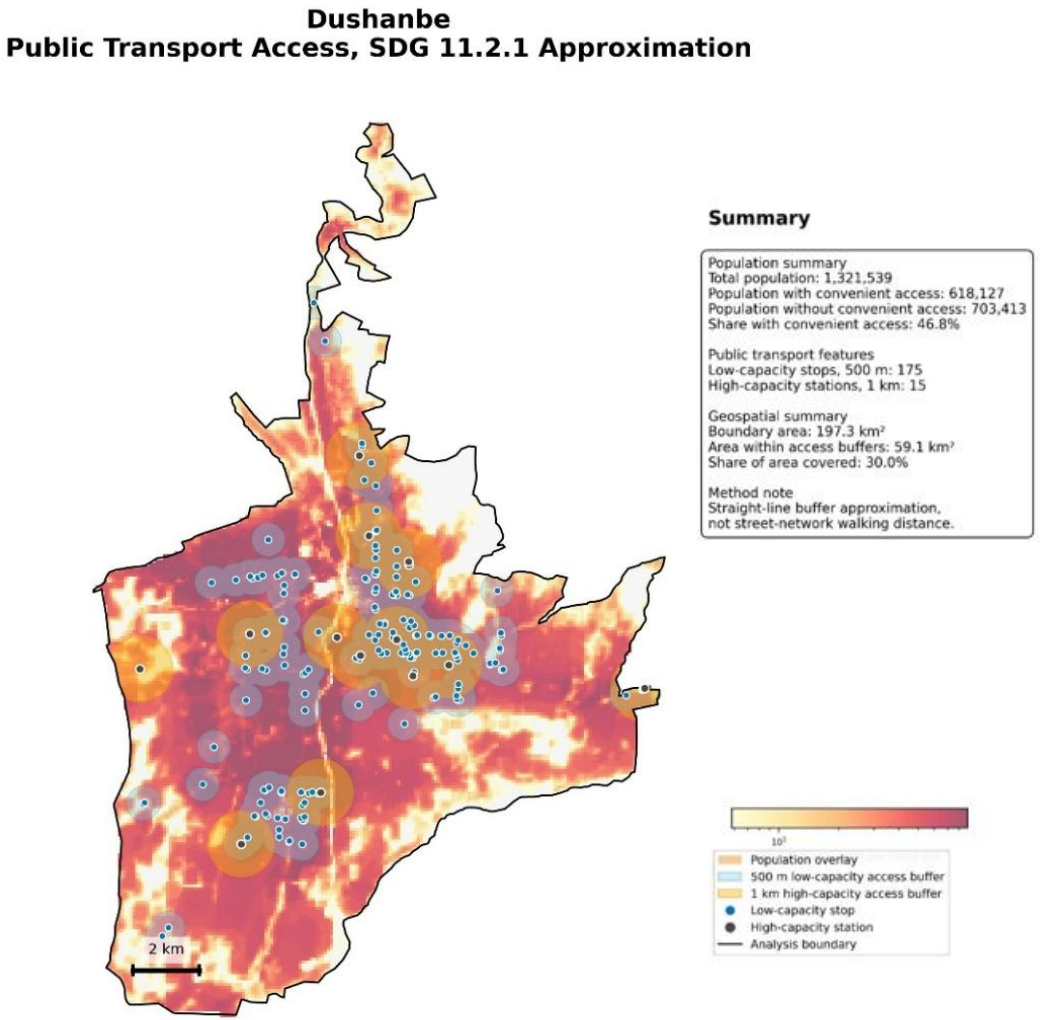
Foreign, Commonwealth & Development Office

Climate Compatible Growth

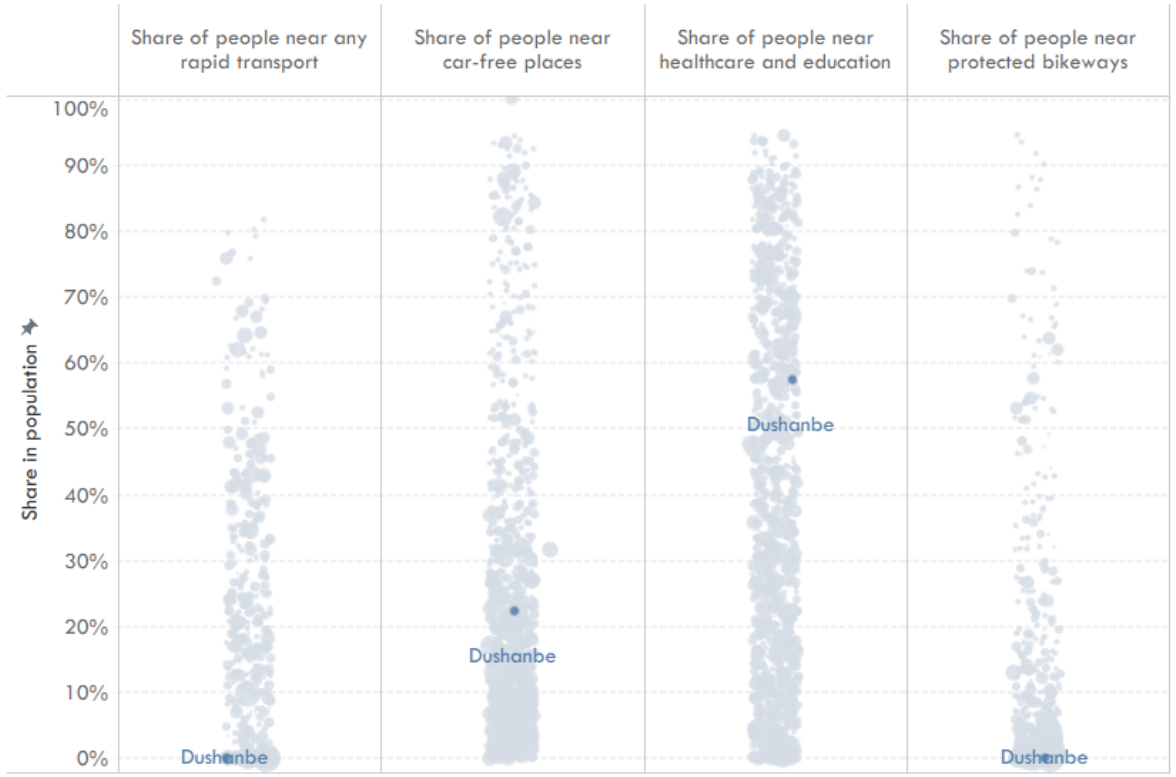
Ensure access to sustainable transport for all | Advance low- or zero-carbon, resilient, and environmentally sound transport systems | Enhance efficiency anc

- Ensure access to sustainable transport for all
- Advance low-carbon, resilient and environmentally sound transport systems
- Enhance efficiency and promote sustainable connectivity and logistics
- Shape people-centered urban mobility and liveable cities
- Make Transport Safe and Secure
- Leveraging on Science, Technology and Innovation

Urban Access

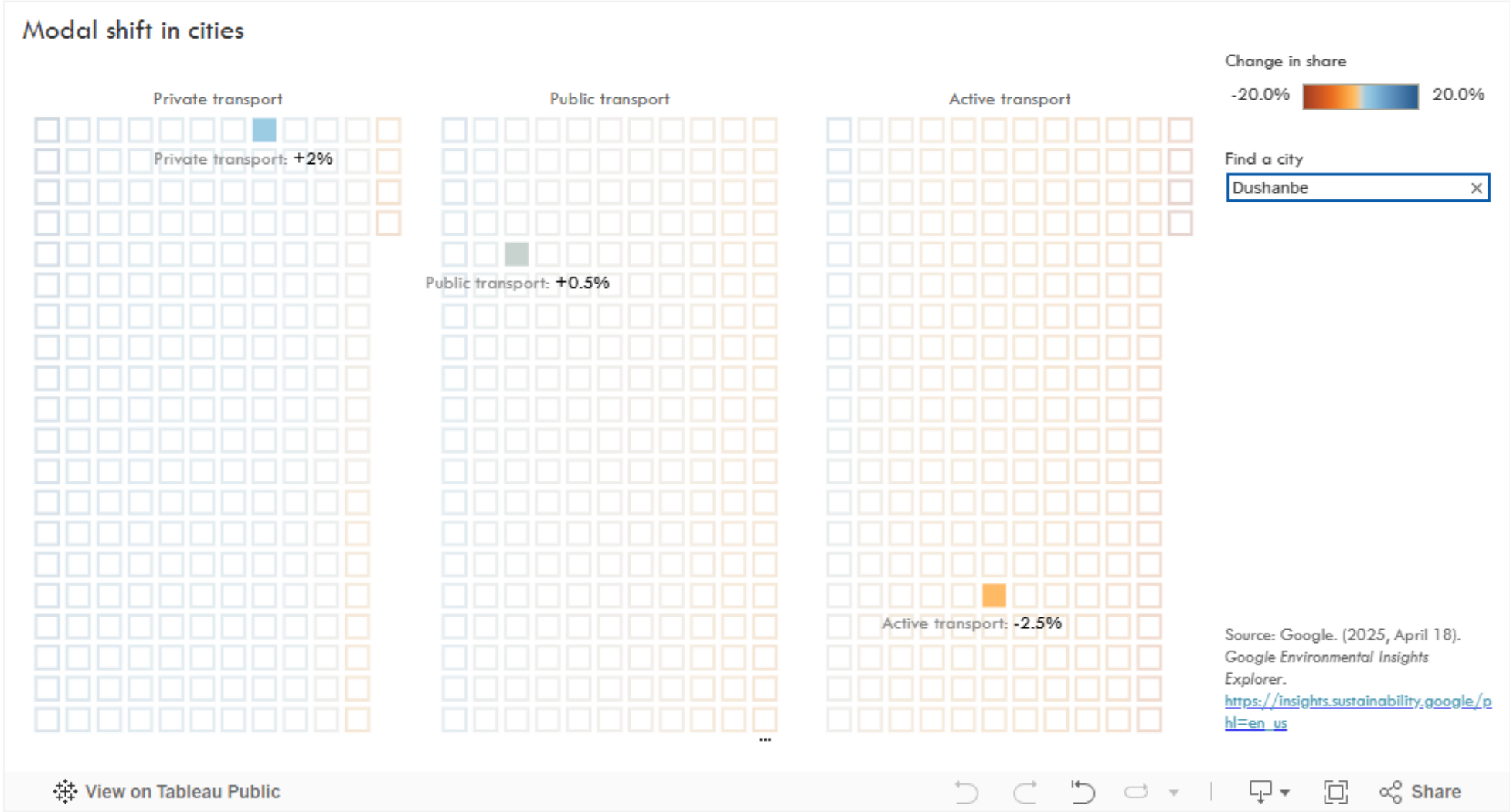


Source: (ATO 2026)



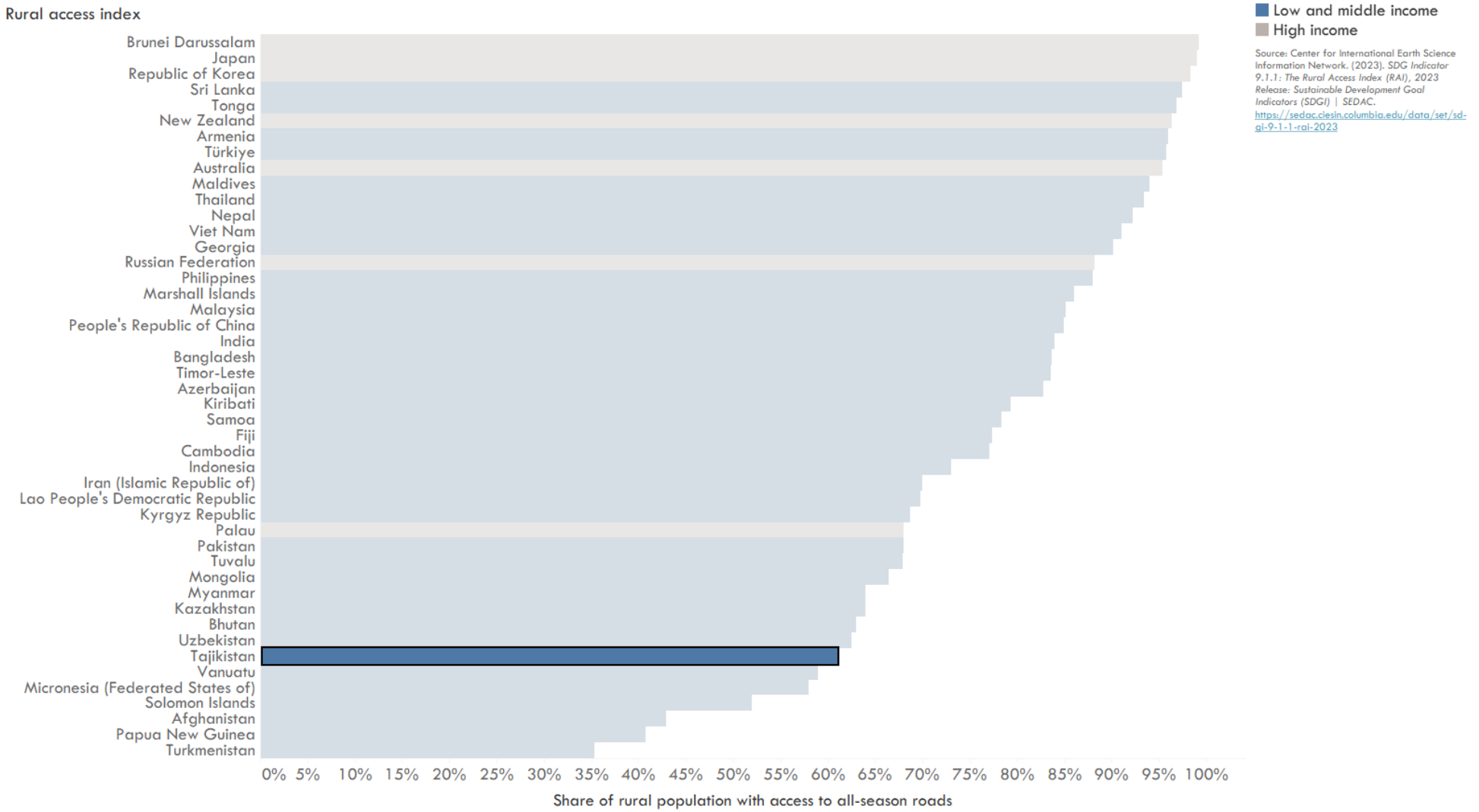
Source: (ITDP 2024)

Shifting Mode Shares



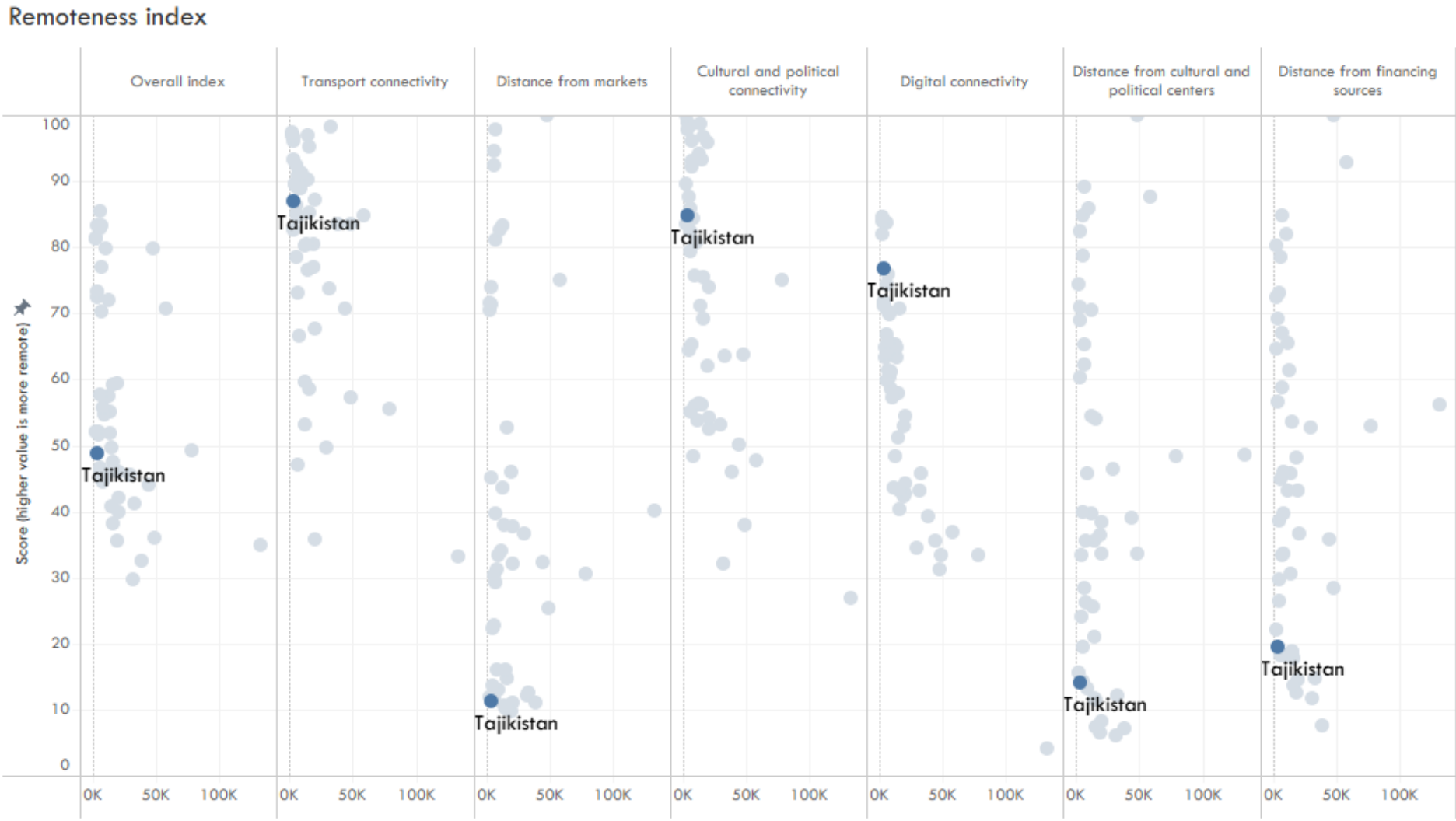
Source: ATO analysis and visualization based on Google data

Rural Access



Source: ATO analysis and visualization based on CIESIN

Connectivity



Source: ATO analysis and visualization based on UNCTAD

ATO Road Safety Profiles

Outline

- Country Summary
- Benchmarking
- Can Asia meet the 2030 target of halving fatalities?
- Policy Landscape
- References

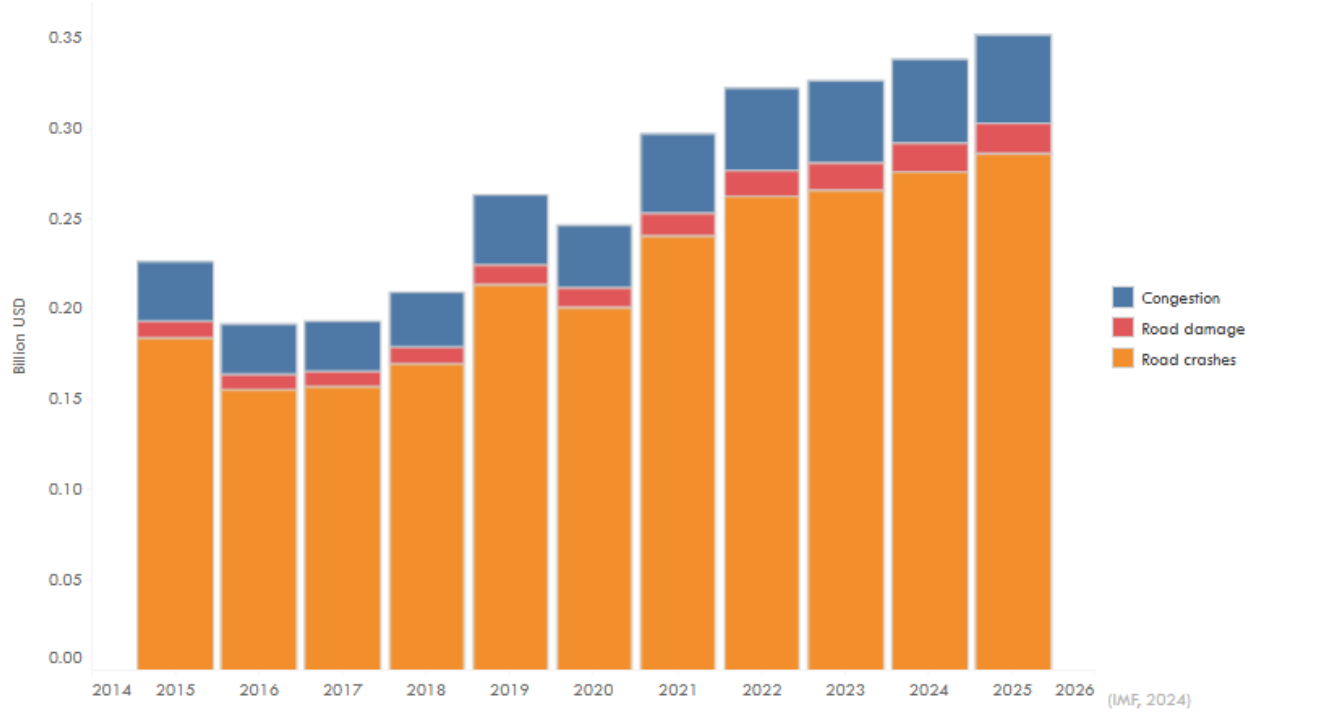
Healthcare expenditure as share of GDP, %

(IRAP, 2024; World Bank, 2024)

View on Tableau Public Share

Road crashes constitute about 81% of the total implicit costs due to fossil fuel subsidies in transport. IRAP estimates that an annual investment of 62 million USD, or just about 0.7% of Tajikistan's GDP, could save about 500 fatalities annually.

External costs to the society due to fossil fuel subsidies in transport



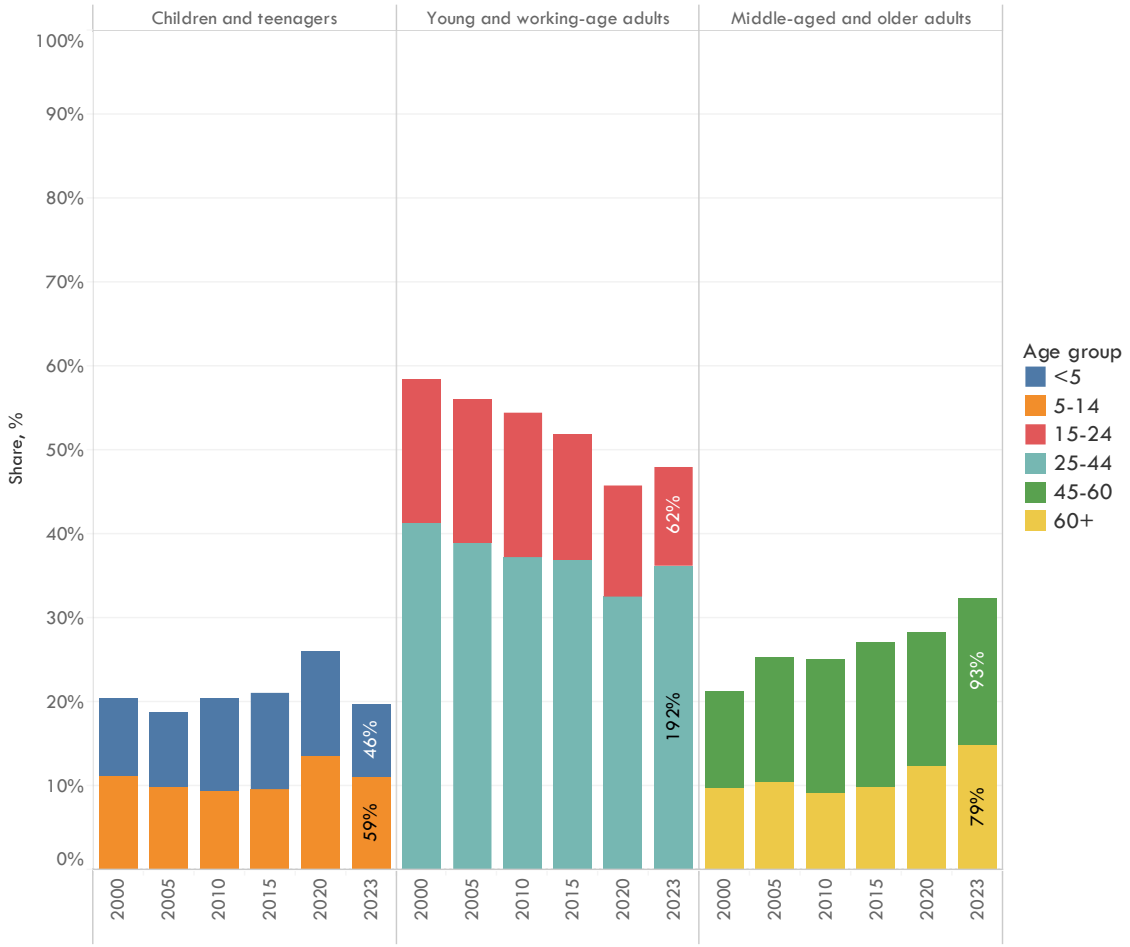
(IMF, 2024)

View on Tableau Public Share

Source: ATO analysis and visualization based on IMF

Road Safety

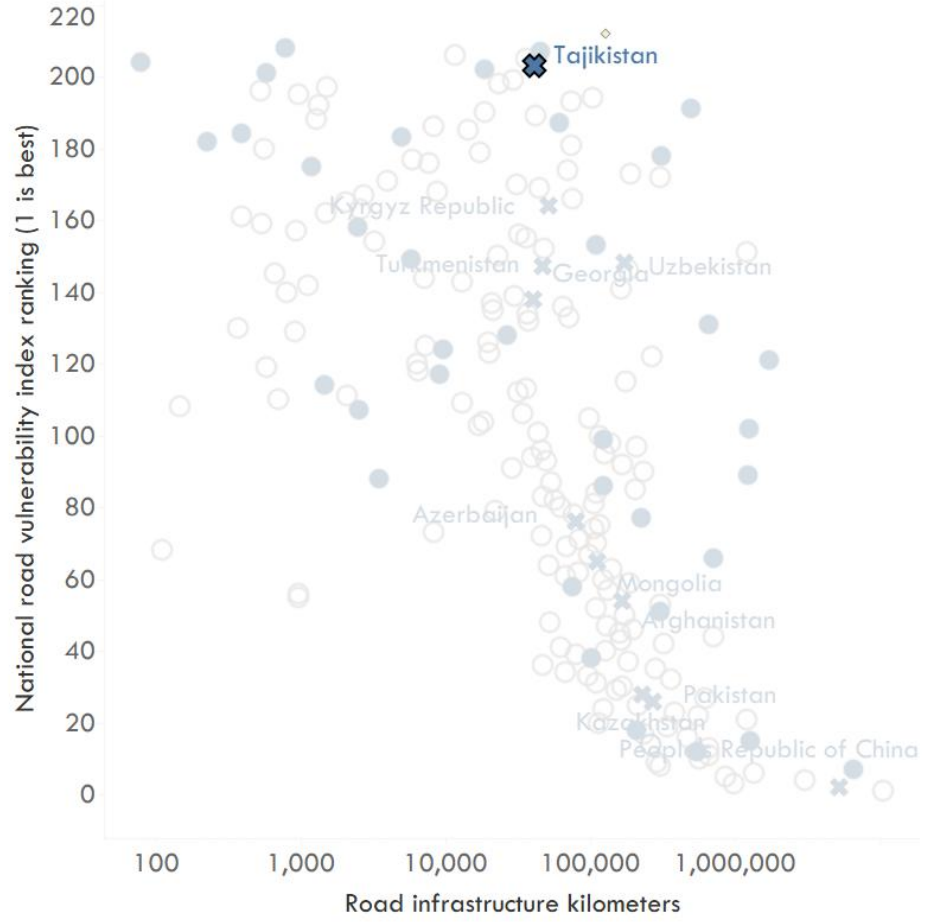
Source: (TAJSTAT 2025)



Source: (IHME, 2026)

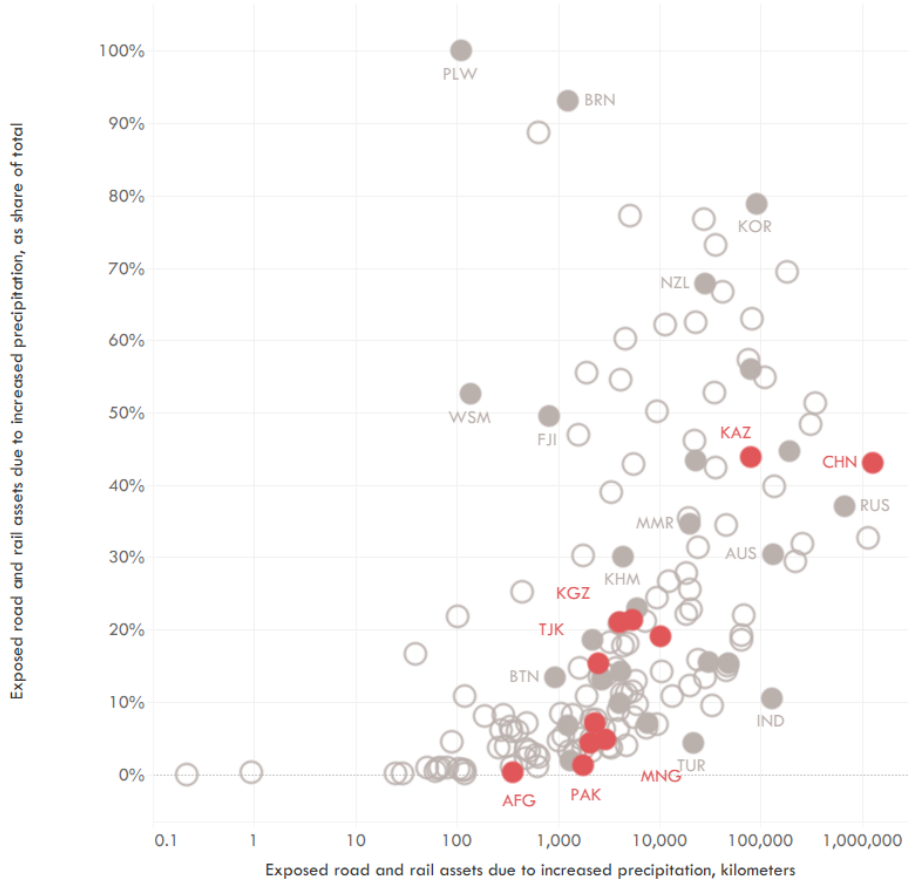
Resilience

National road vulnerability index



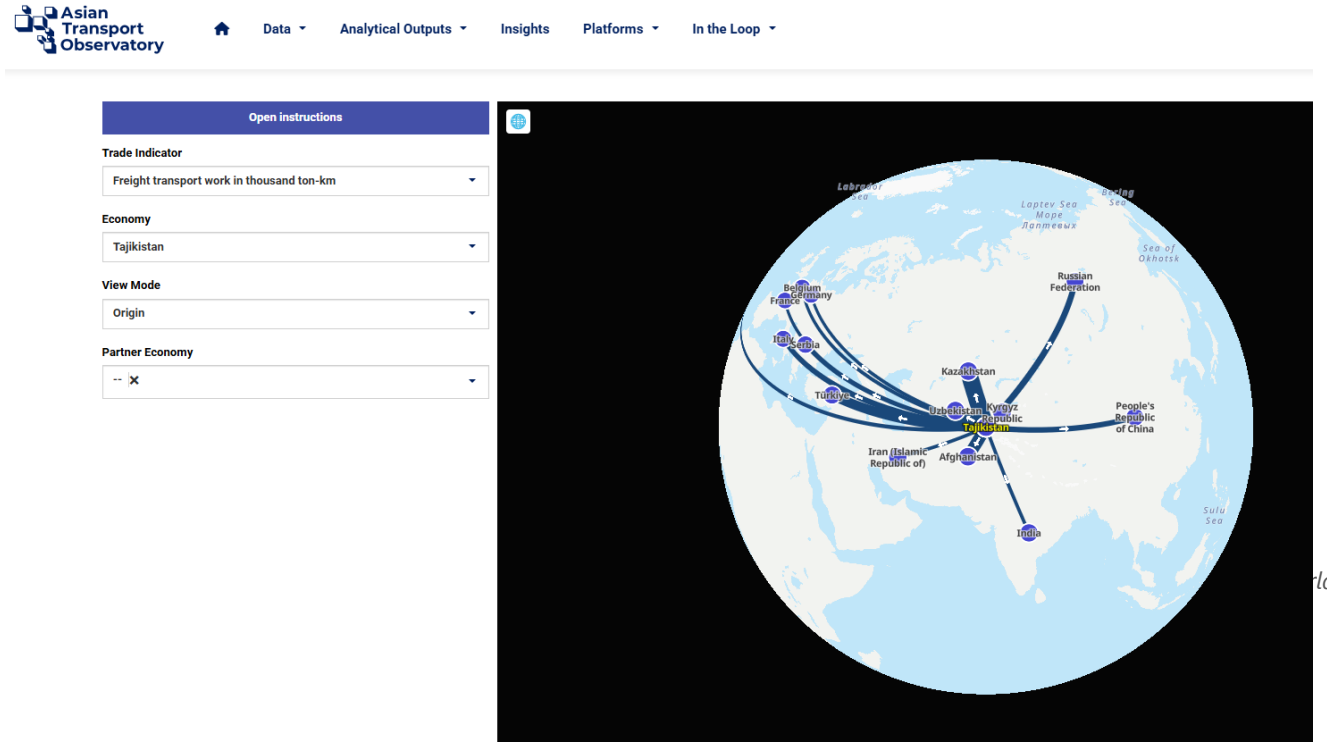
Source: ATO analysis and visualization based on Koks, E., Rozenberg, J., Tariverdi, M., Dickens, B., Fox, C., van Ginkel, K., & Hallegatte, S. (2023). A global assessment of national road network vulnerability. *Environmental Research: Infrastructu..*

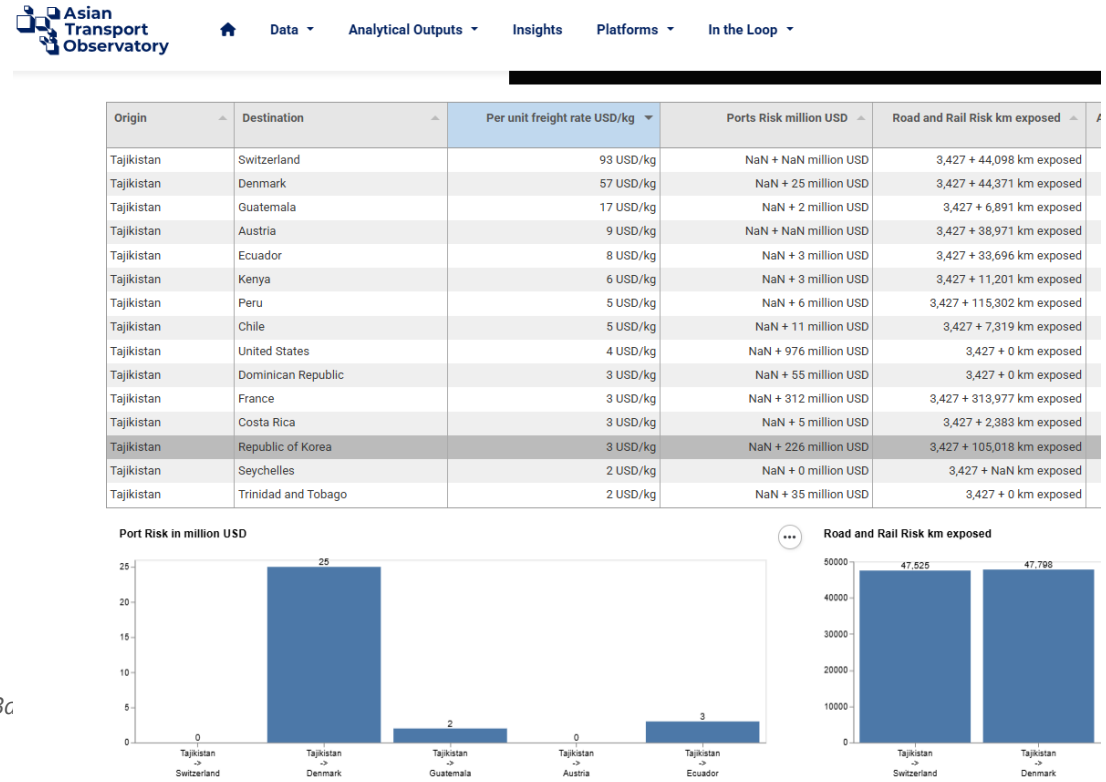
Exposed road and rail infrastructure to heavier precipitation in RCP 4.5 mid-century scenario



Source: ATO analysis and visualization based on Liu, K., Wang, Q., Wang, M., & Koks, E. E. (2023). Global transportation infrastructure exposure to the change of precipitation in a warmer world. *Nature Communications, 14*(1), ..

Transport Flows and Climate Risks





Origin	Destination	Per unit freight rate USD/kg	Ports Risk million USD	Road and Rail Risk km exposed
Tajikistan	Switzerland	93 USD/kg	NaN + NaN million USD	3,427 + 44,098 km exposed
Tajikistan	Denmark	57 USD/kg	NaN + 25 million USD	3,427 + 44,371 km exposed
Tajikistan	Guatemala	17 USD/kg	NaN + 2 million USD	3,427 + 6,891 km exposed
Tajikistan	Austria	9 USD/kg	NaN + NaN million USD	3,427 + 38,971 km exposed
Tajikistan	Ecuador	8 USD/kg	NaN + 3 million USD	3,427 + 33,696 km exposed
Tajikistan	Kenya	6 USD/kg	NaN + 3 million USD	3,427 + 11,201 km exposed
Tajikistan	Peru	5 USD/kg	NaN + 6 million USD	3,427 + 115,302 km exposed
Tajikistan	Chile	5 USD/kg	NaN + 11 million USD	3,427 + 7,319 km exposed
Tajikistan	United States	4 USD/kg	NaN + 976 million USD	3,427 + 0 km exposed
Tajikistan	Dominican Republic	3 USD/kg	NaN + 55 million USD	3,427 + 0 km exposed
Tajikistan	France	3 USD/kg	NaN + 312 million USD	3,427 + 313,977 km exposed
Tajikistan	Costa Rica	3 USD/kg	NaN + 5 million USD	3,427 + 2,383 km exposed
Tajikistan	Republic of Korea	3 USD/kg	NaN + 226 million USD	3,427 + 105,018 km exposed
Tajikistan	Seychelles	2 USD/kg	NaN + 0 million USD	3,427 + NaN km exposed
Tajikistan	Trinidad and Tobago	2 USD/kg	NaN + 35 million USD	3,427 + 0 km exposed

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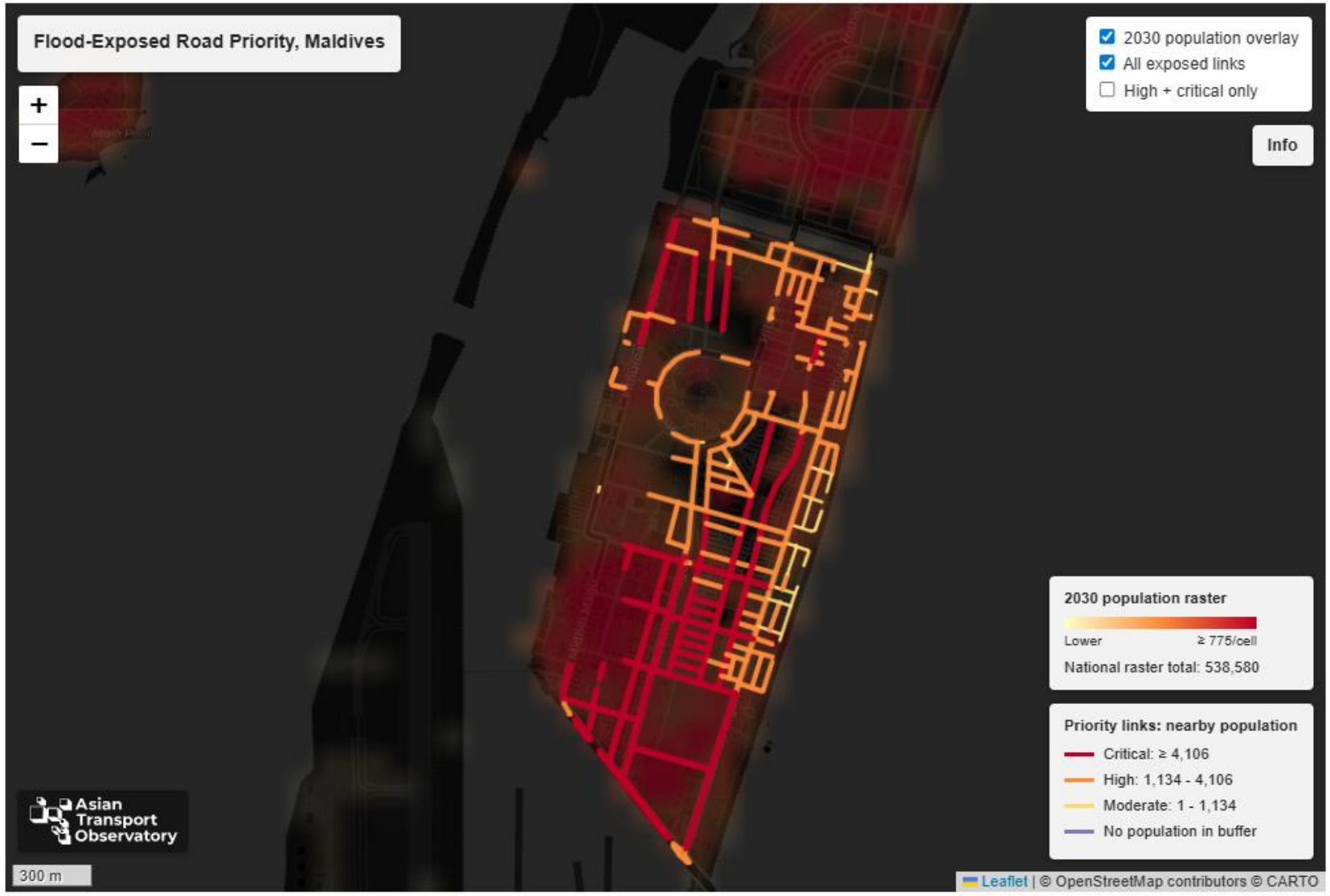
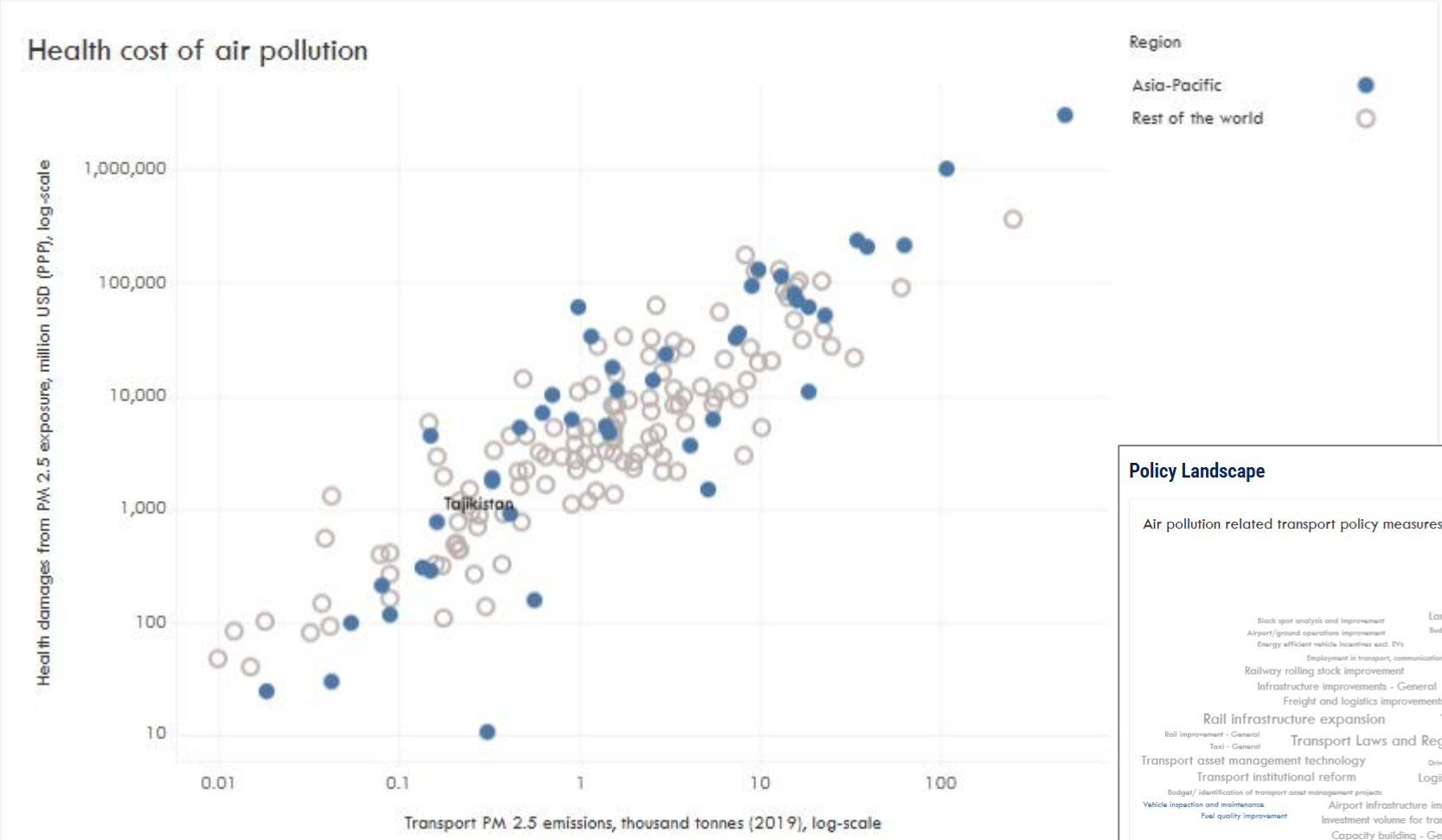
Source: (UNCTAD, data for 2021)

Hazards and Assets Mapping

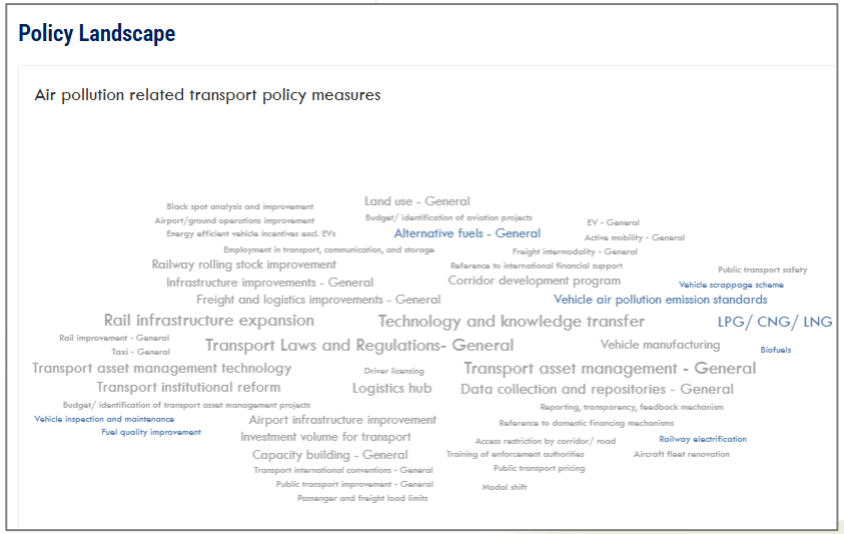


Transport and Air Pollution Profiles

Health Burden



Source: World Bank (2022), European Commission (2024)



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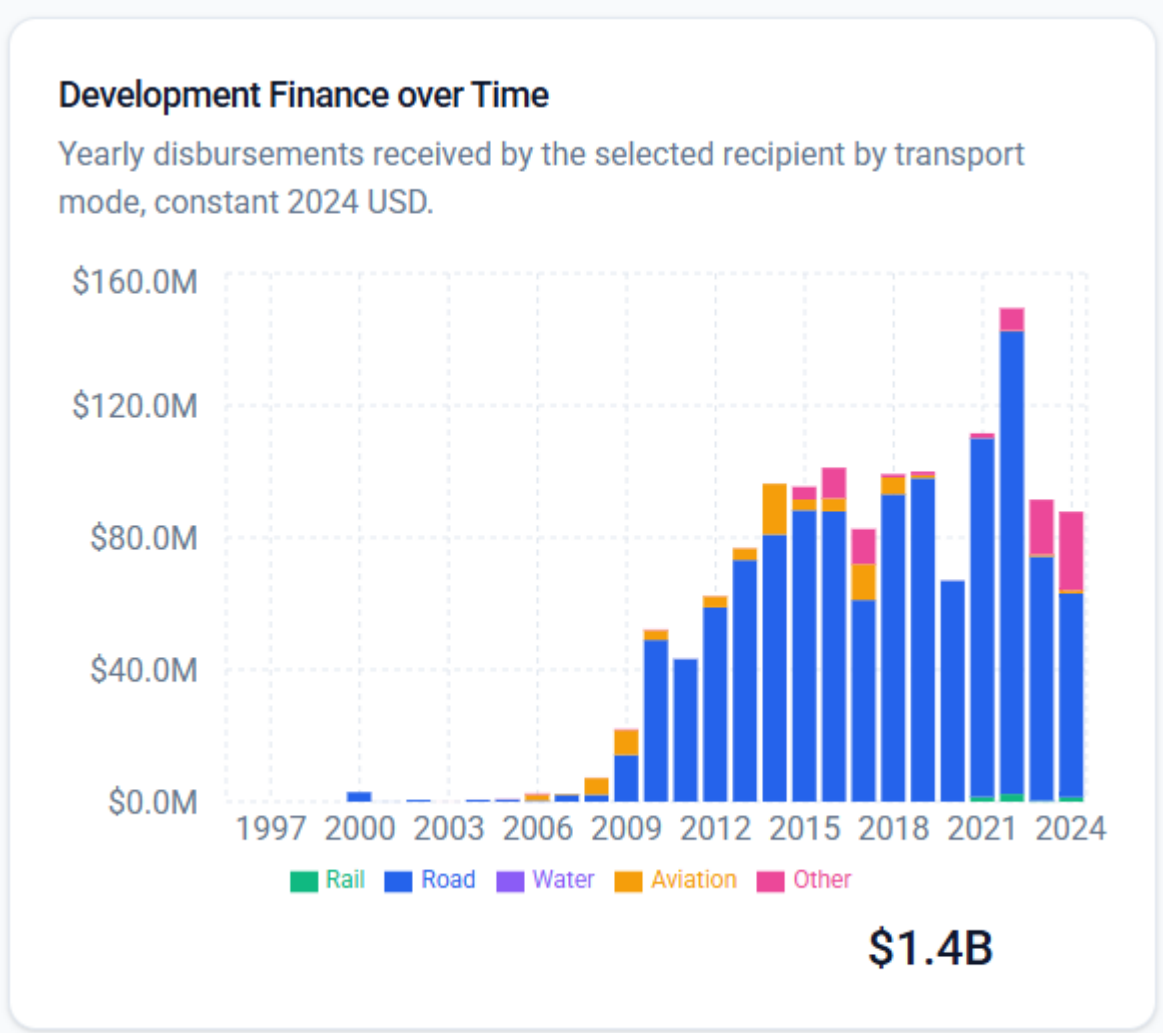
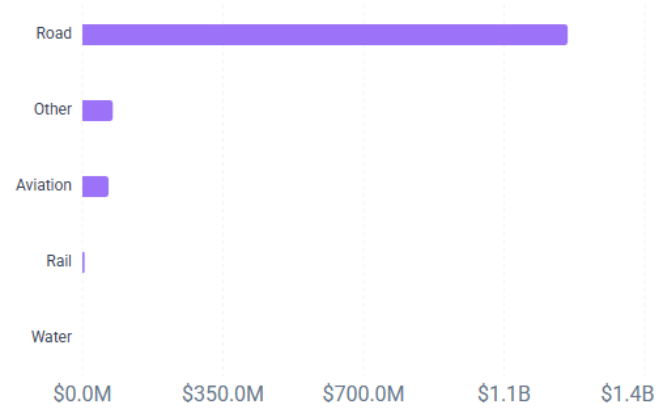
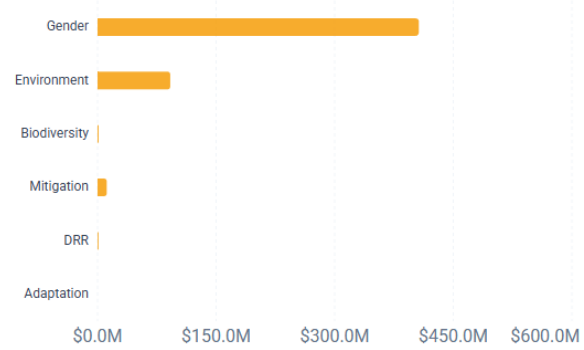
Transport Development Finance Explorer





Sustainability-related Tags

Mitigation, adaptation, gender, DRR, biodiversity, and environment sustainability-related tags.



Pre-defined tags based on the OECD CRS database.

https://asiantransportobservatory.org/vis/transport-development-finance-explorer/

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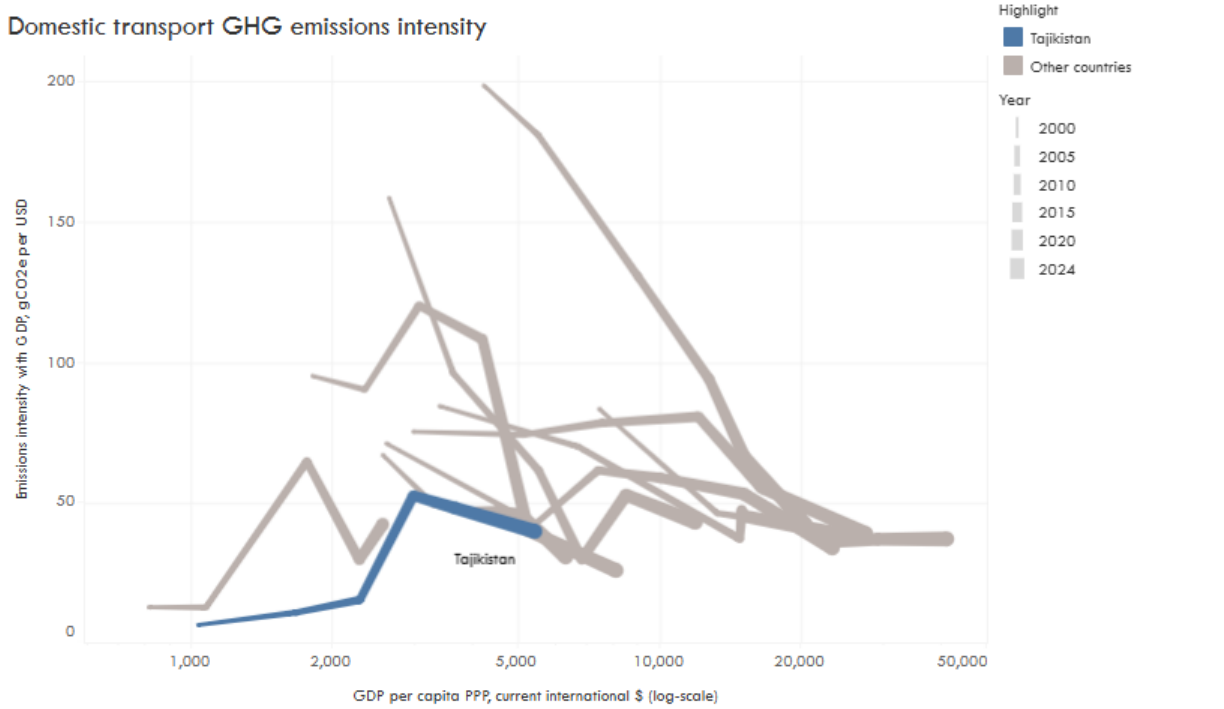
Foreign, Commonwealth & Development Office

Transport and Climate Profiles

Export PDF Export Image

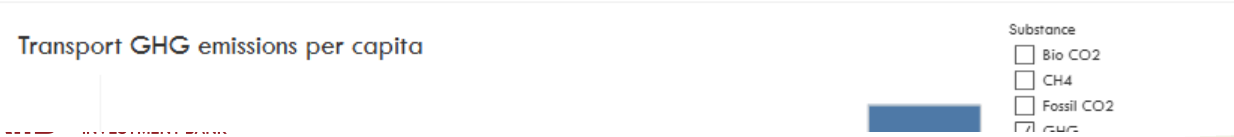
Outline

- 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
- Disclaimer
- References



Source: EDGAR (2025), World Bank (2025a, 2025b)

Export PDF Export Image



TAJIKISTAN

TRANSPORT AND CLIMATE PROFILE

Supported by:

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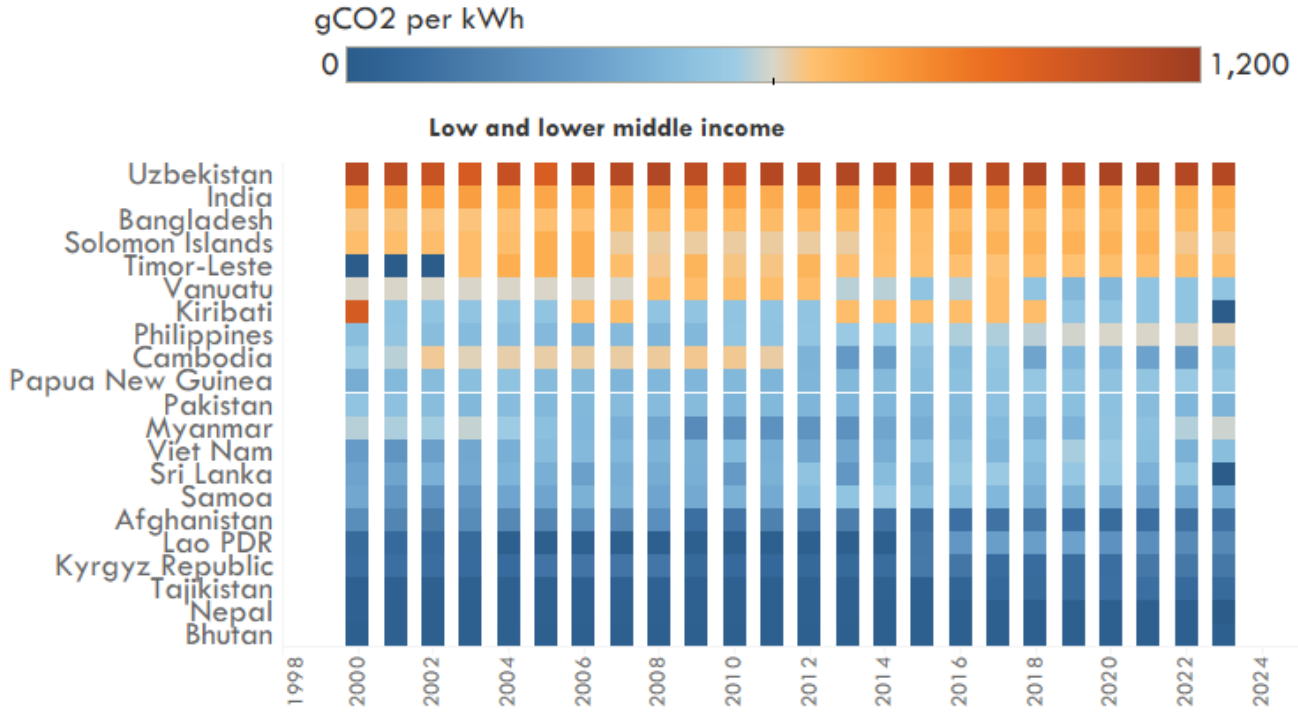
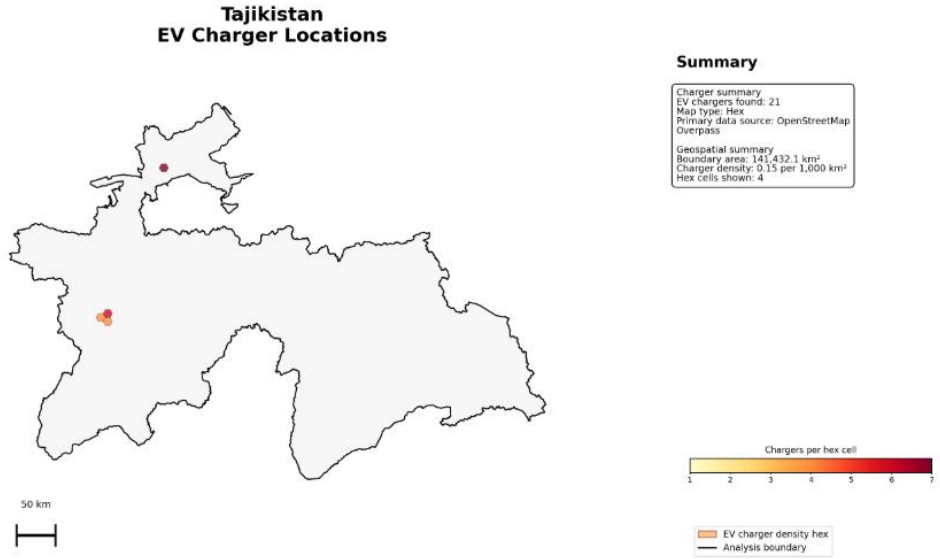
Grid emission factor

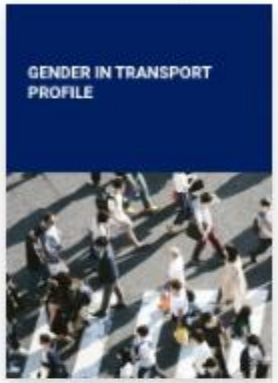


Source: ATO anaylsis and visualization based on Ember. (2024). *Electricity Data Explorer* [Dataset]. https://ember-energy.org/data/electricity-data-explorer



Source: ATO analysis based on OSM data

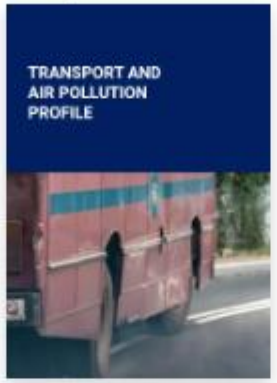
Gender in Transport Profile



version March 2026

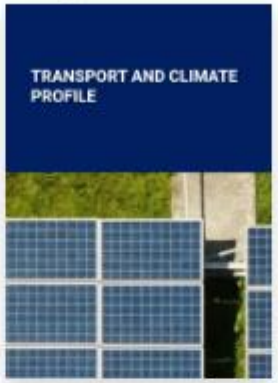
version July 2024

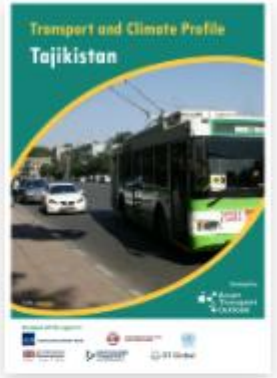
Transport and Air Pollution Profile



version March 2026

Transport and Climate Profile



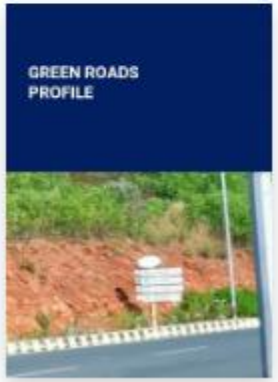


version February 2026

version October 2024

version May 2024

Green Roads Profile



version December 2025

version May 2024

Road Safety Profile

version September 2025

version December 2023

version September 2023

E-mobility Profile

version January 2024

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