

# Access and Connectivity: Insights and Challenges from Asia

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Data Analyst

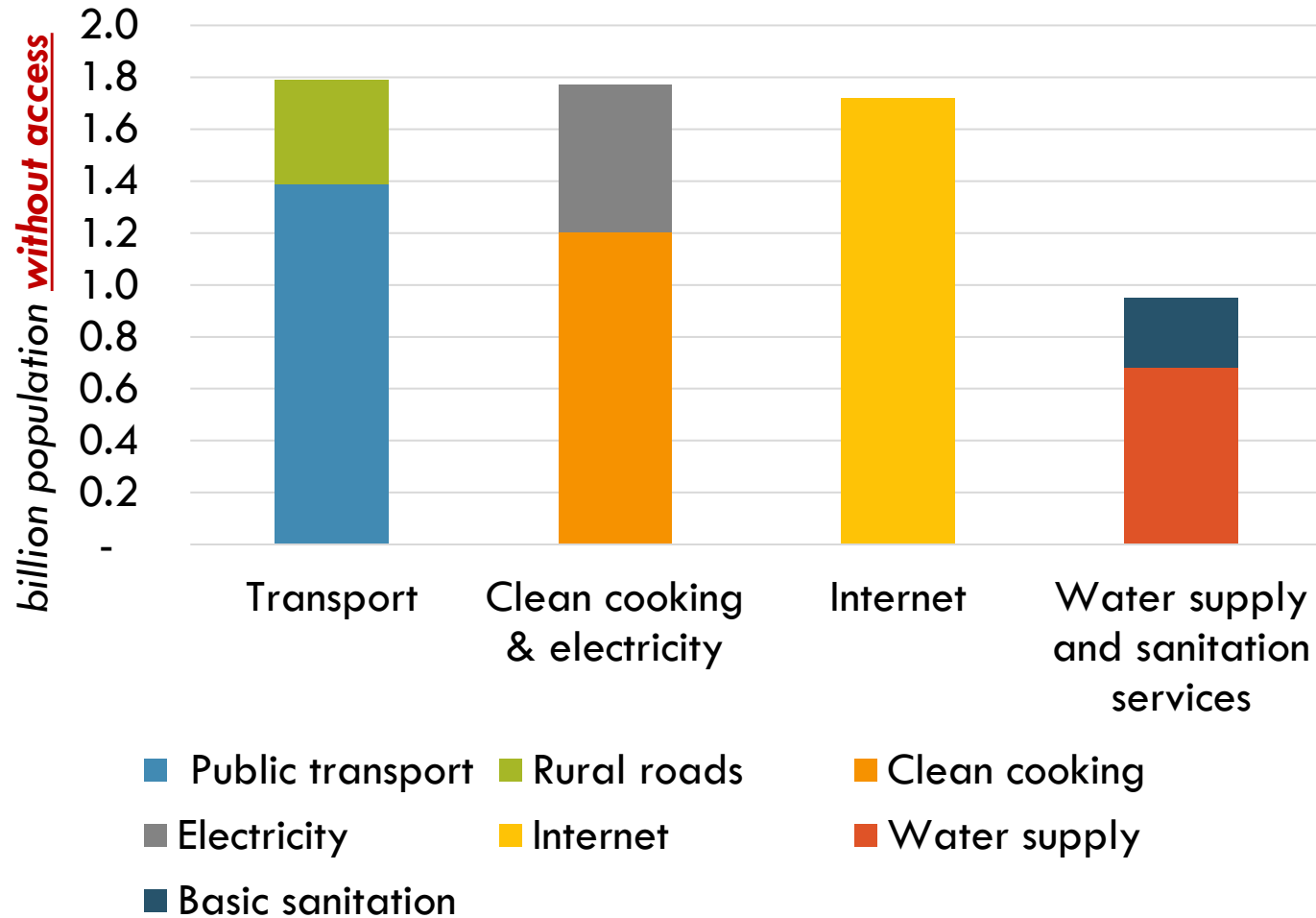
Asian Transport Observatory

EST Regional Meeting and Capacity-Building Workshop towards  
Accelerating Implementation of the Aichi 2030 Declaration (2021-2030)  
March 16 - 19, 2026

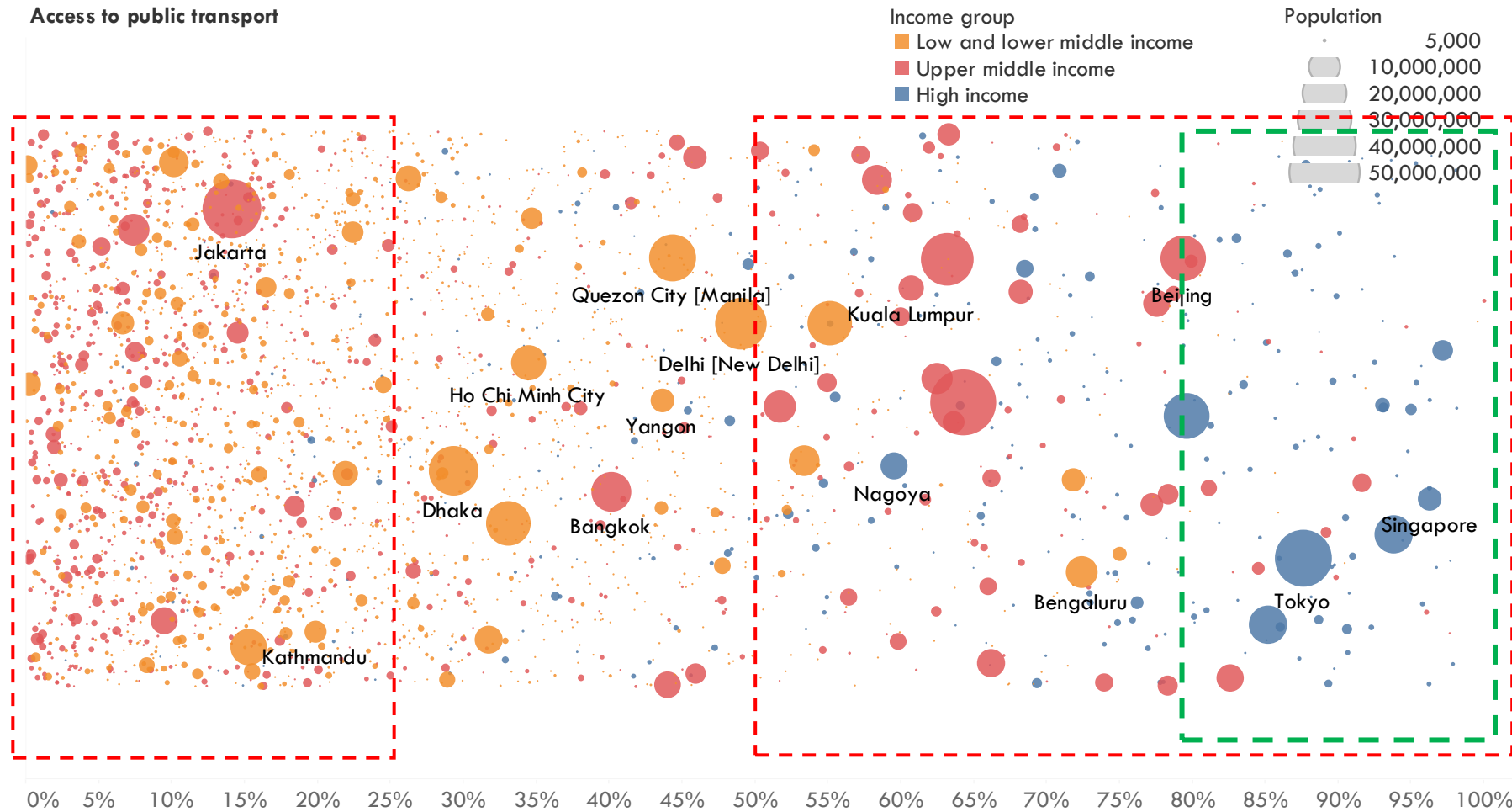


# Access to essential services

Access gap in Asia, transport vs. other sectors

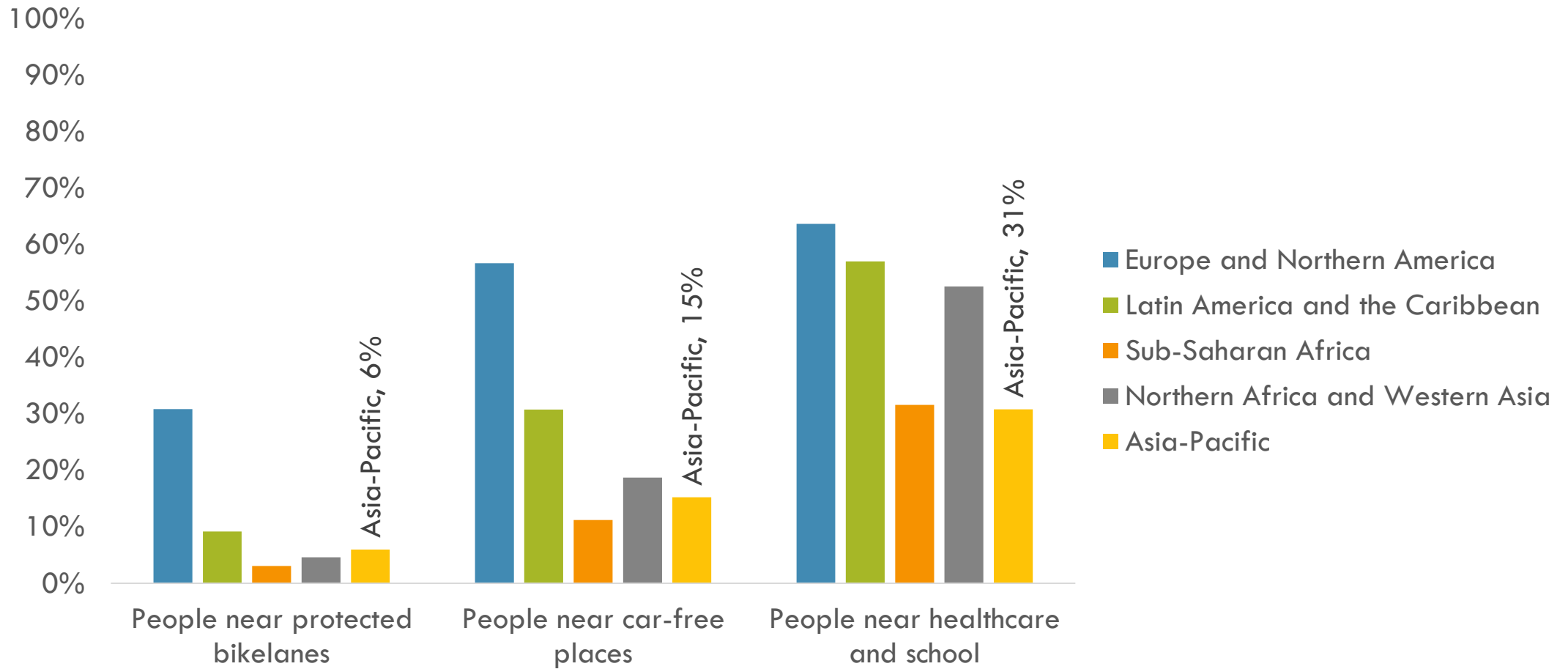


# Urban access



Source: CIESIN (2023)

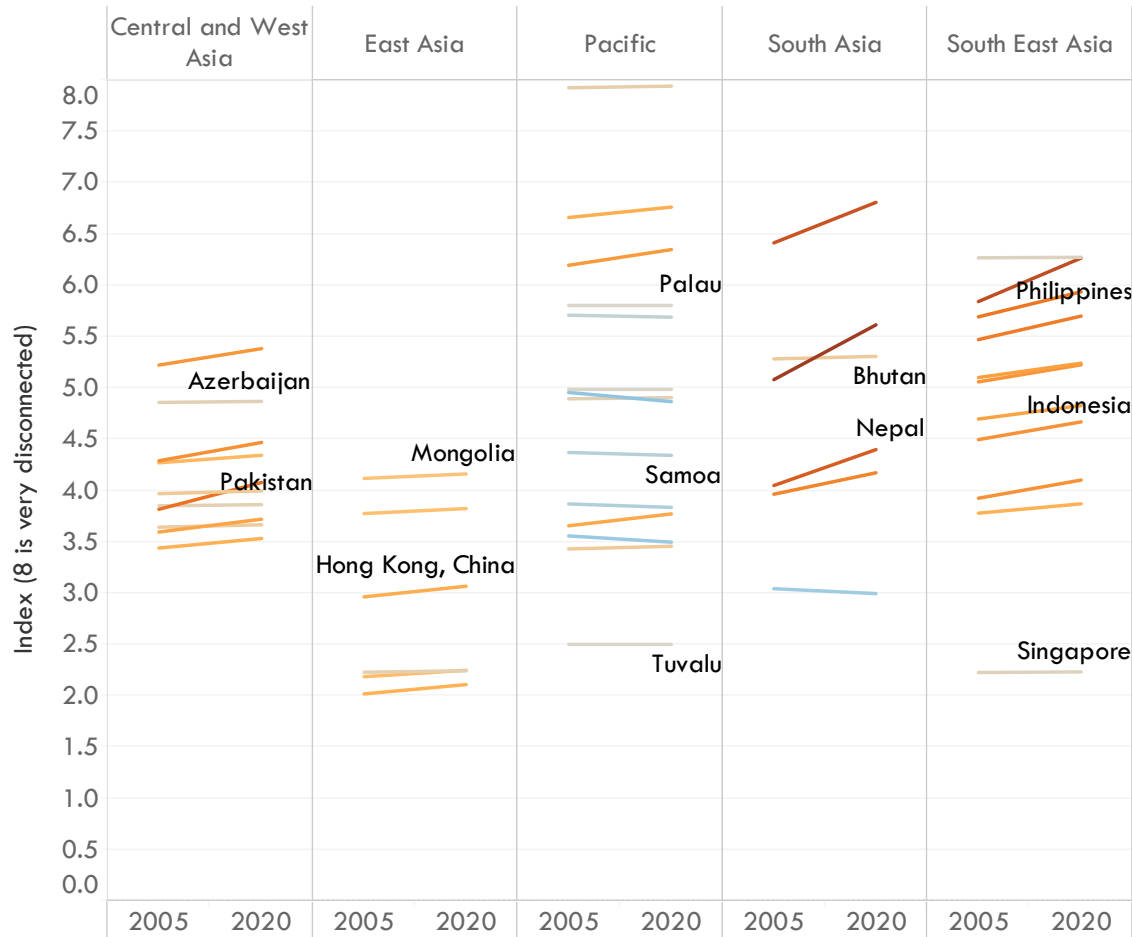
# Access to places



Source: ITDP (2024)

# Urban sprawl

Street network disconnectedness index



Source: Barrington-Leight & Millard-Ball (2025)

## Urban expansion in Asia's prominent cities (1990-2015)

A Dashboard for Sustainable Transport in Asia and the I



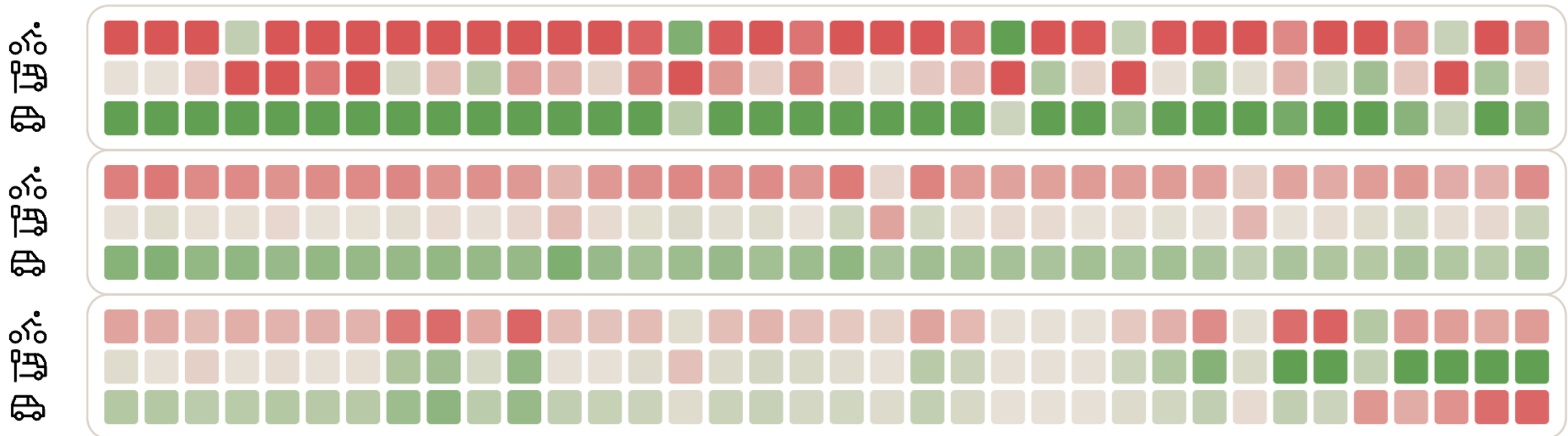
Source: Angel S. et al (2016)

# Active transport decline

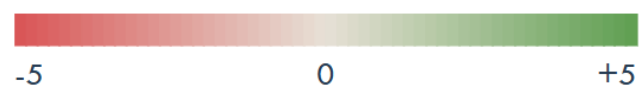
## Mode Shift, 2018 to 2023

Data from 108 cities in Asia-Pacific, one column in each box is one city.

Source: Google Environmental Insights Explorer




Percentage-point change



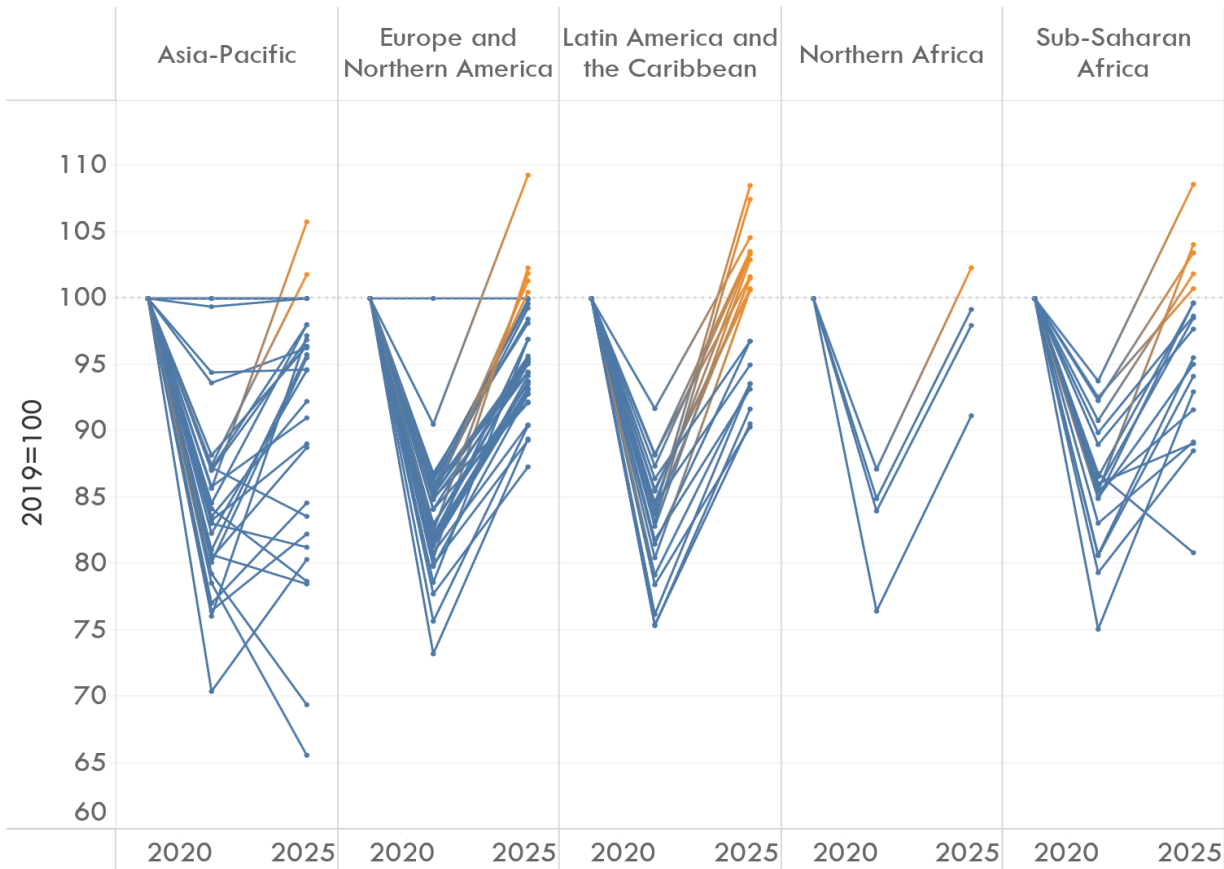
 Active transport

 Public transit

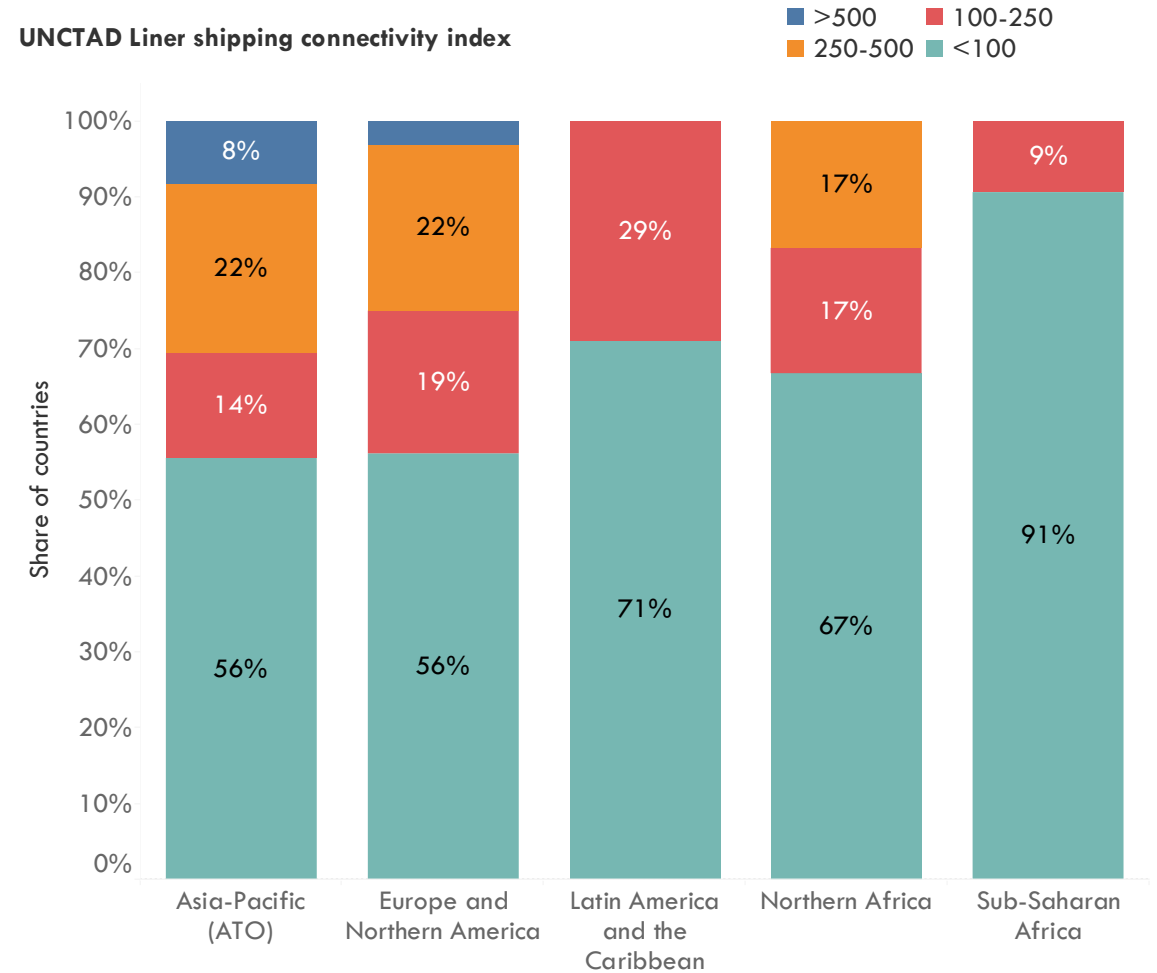
 Private vehicle

# Regional Connectivity

IATA Airport Connectivity Score (trend since 2019)



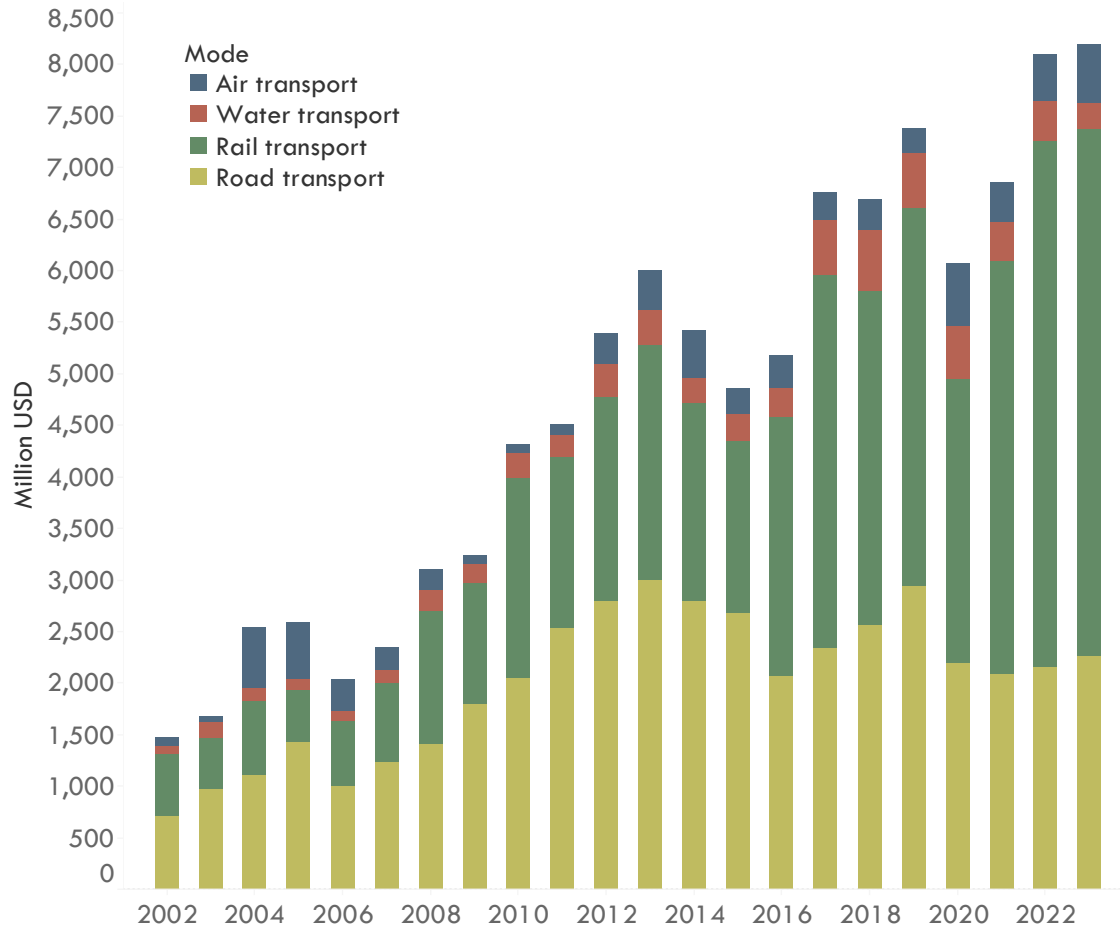
UNCTAD Liner shipping connectivity index



Source: ATO Visualization based on IATA airport connectivity index and UNCTAD liner connectivity index

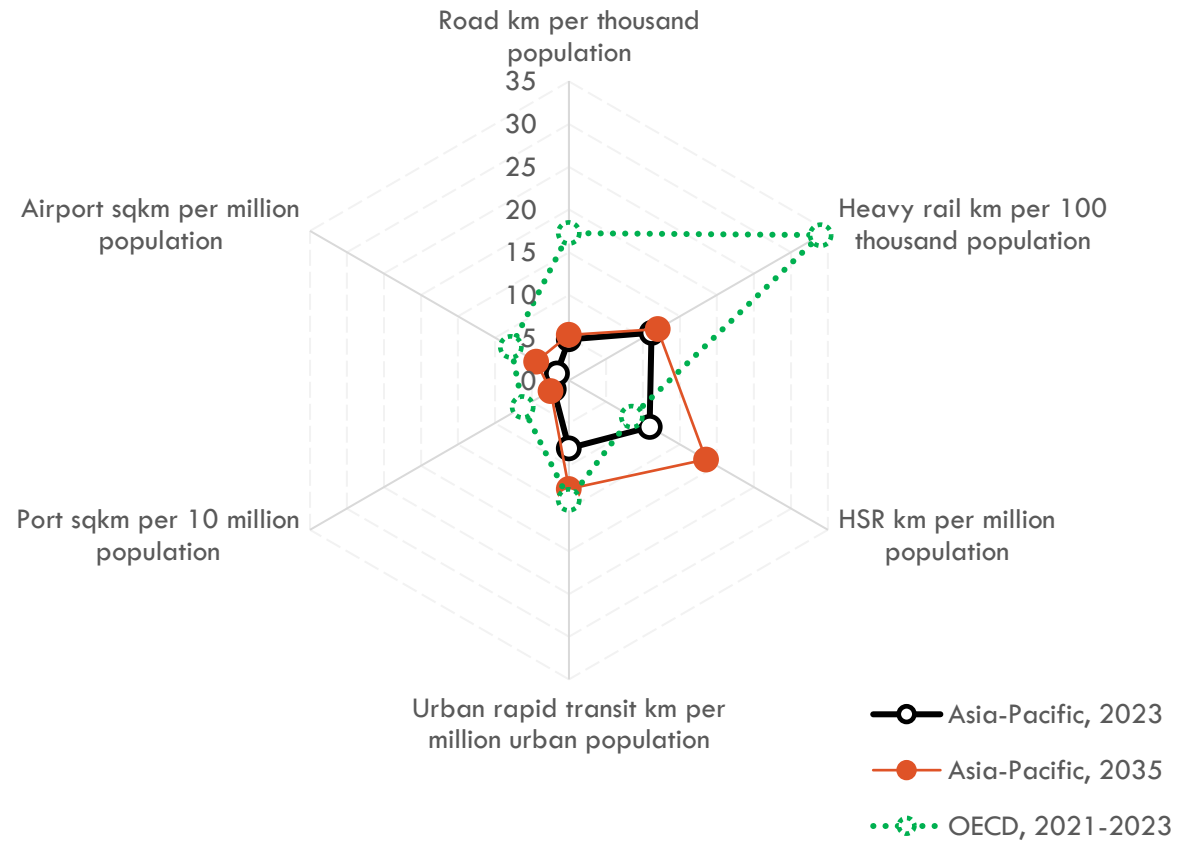
# Investments and infrastructure gap

Official development assistance to the transport sector



Source: OECD (2025)

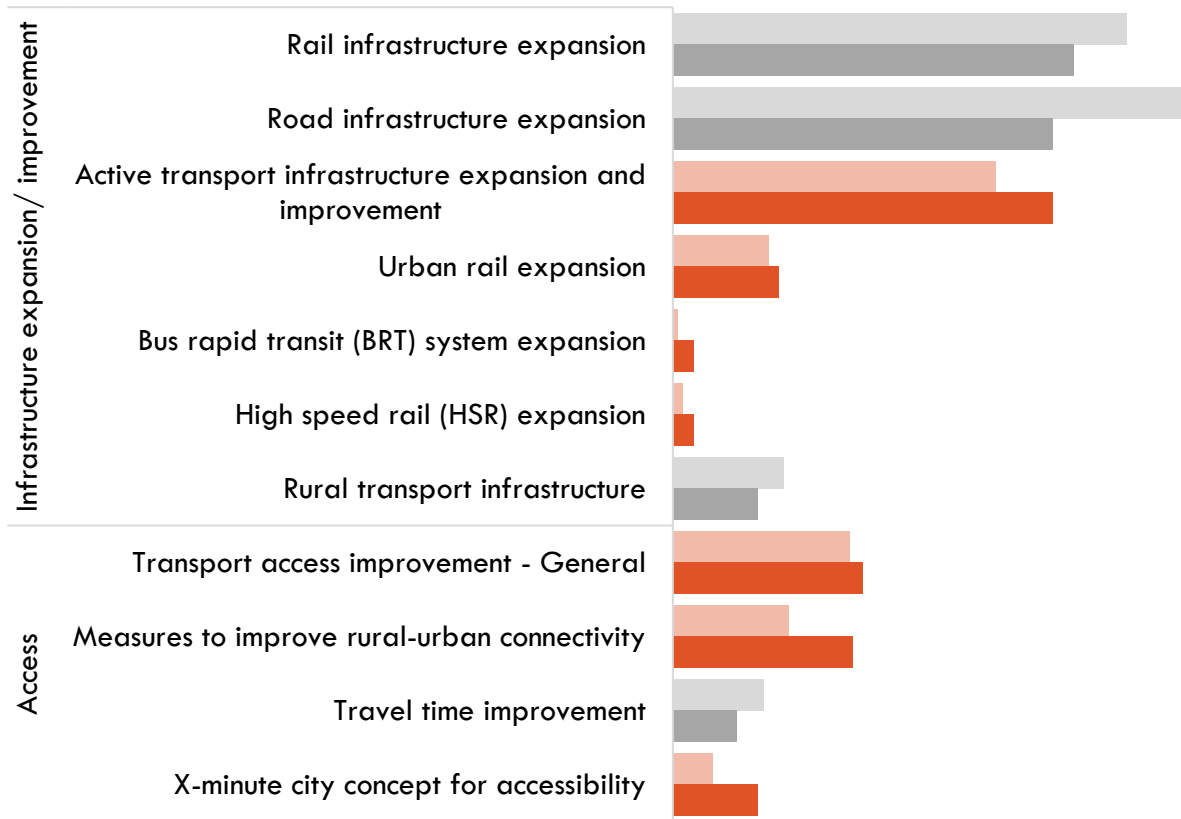
Transport infrastructure availability in Asia-Pacific, present vs. estimated future



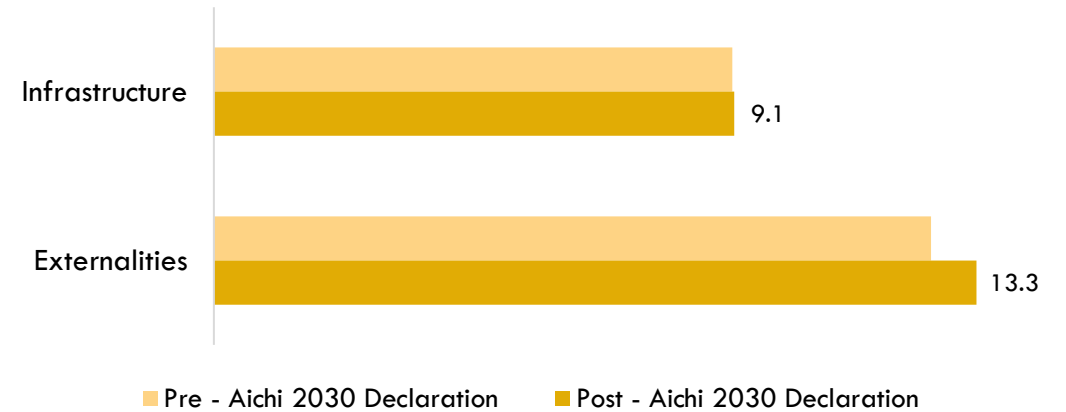
Source: Nirandjan et al. (2022), ITDP (2024), UIC (2024), IRJPro (2024), Hanson & Nicholls (2020)

# Policy landscape

Average number of measures per document (Pre- and Post- Aichi 2030 Declaration)



Average number of measures per document (Pre- and Post- Aichi 2030 Declaration)



# asiantransportobservatory.org

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

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