

Navigating Change: The Evolving Landscape of the Road Sector in Asia

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Asian Transport Outlook

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Asian Transport Observatory



Mongolia

Green Roads Profile

General

Road length (2022) **111,917 Kilometers**

Average annual growth rate of road length

Period	Growth Rate
2010-2015	0.4%
2015-2020	0.5%
2020-2022	0.2%

Mongolia's road network is comprised of 9.9% motorways, highways, and primary roads and 90.1% secondary roads, local roads, and other roads.

Subregion (1) **East Asia**

Income class **Low and lower middle income**

Population (2024) **3.5 million**

Land area **1,558 thousand sqkm** (2,3)

Urban population **69%**

Rural population **31%** (2)

Gross domestic product (GDP PPP, 2022) **48.46 billion USD**

GDP per capita (PPP, 2022) **14,280 USD** (2,3)

Road infrastructure availability (2022) **32.9 kilometers per thousand population** (1,2)

Road infrastructure density (2022) **72 meters per square kilometer** (1,2,3)

Road infrastructure availability trend, Meters per thousand population

Year	Availability (meters per thousand population)
2000	41.8
2005	40.6
2010	39.3
2015	36.6
2020	34.0
2022	32.9

Road infrastructure density trend, meters per thousand population

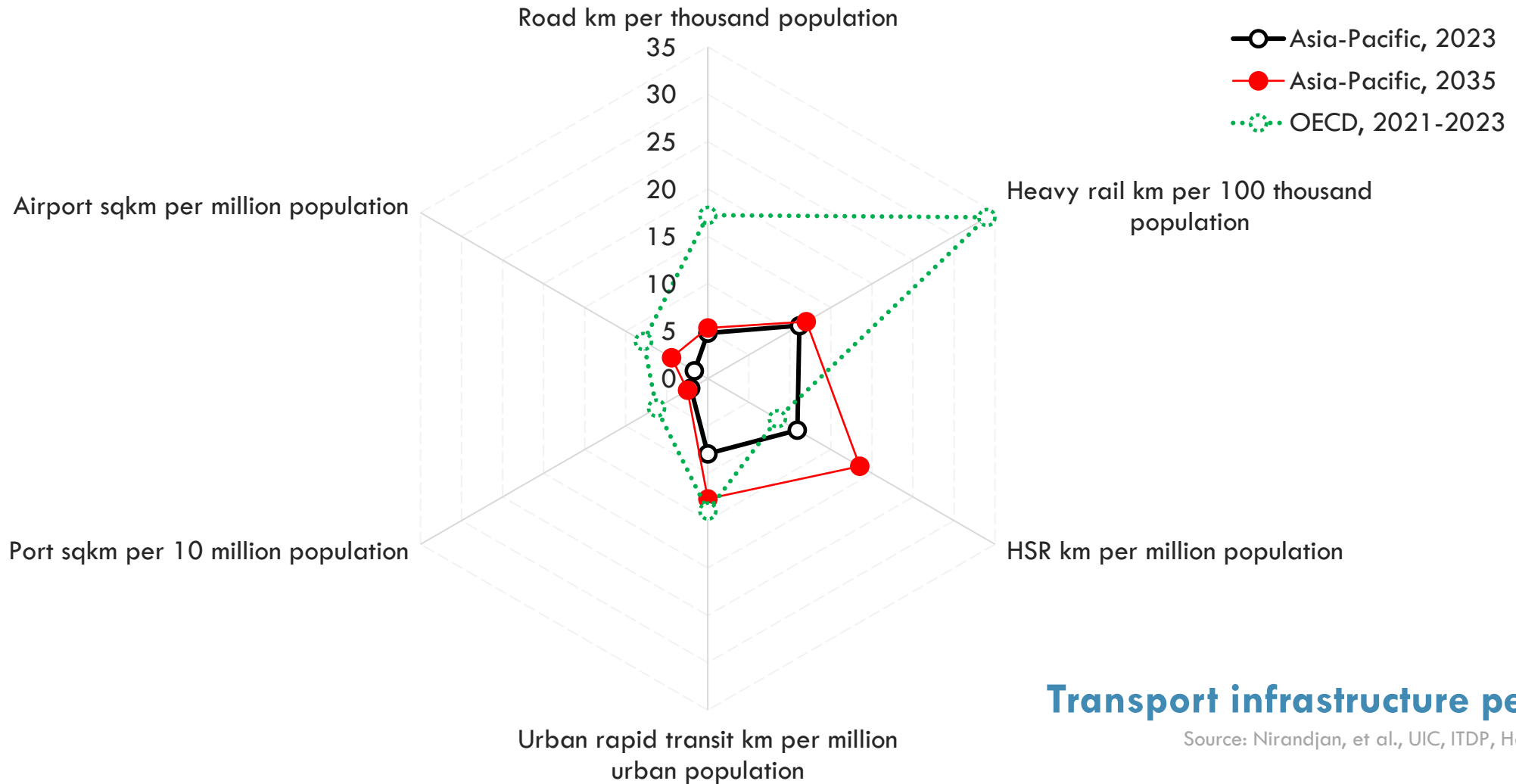
Year	Density (meters per thousand population)
2000	66
2005	67
2010	68
2015	70
2020	72
2022	72

Road infrastructure availability in Asia-Pacific, Meters per thousand population

Road infrastructure density in Asia-Pacific, meters per square kilometer

Developed with the support of:

Road Infrastructure Gap



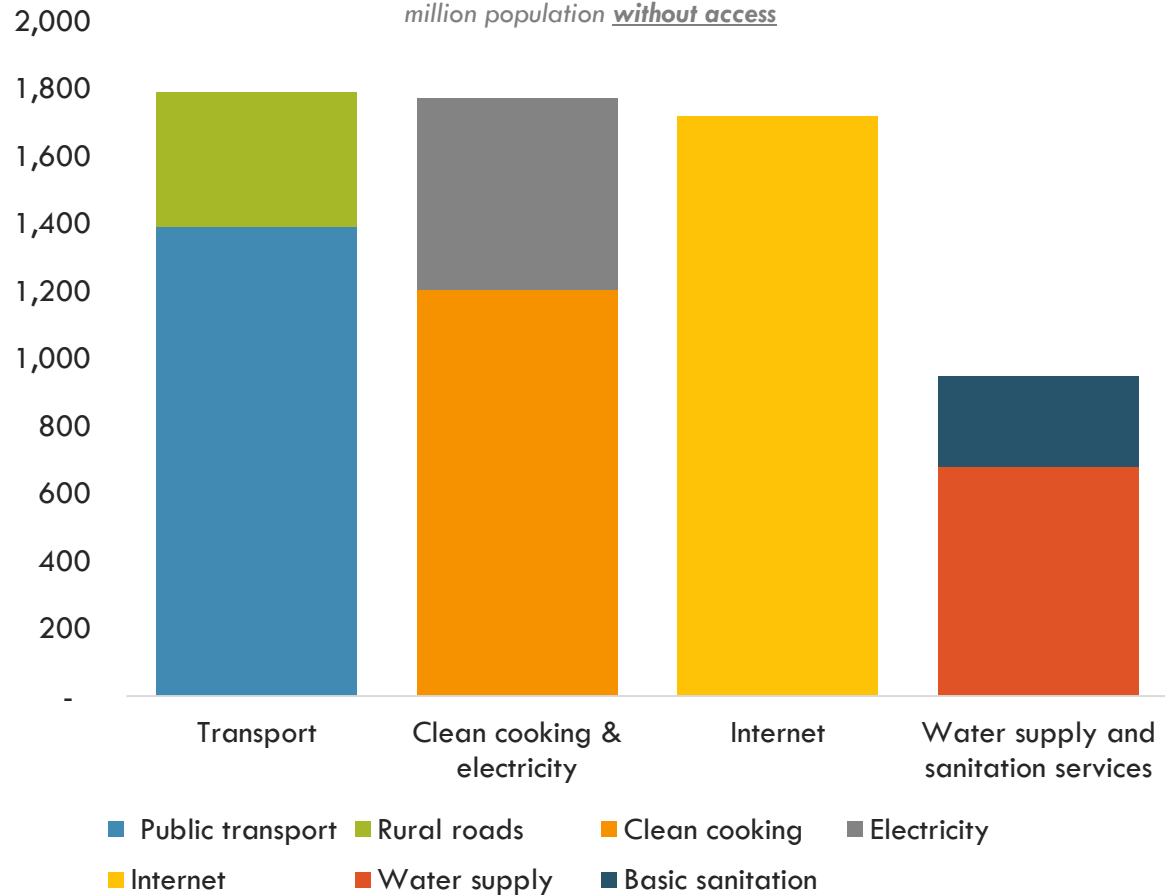
Transport infrastructure per capita

Source: Nirandjan, et al., UIC, ITDP, Hanson & Nicholls

Transport Access and Connectivity Gap

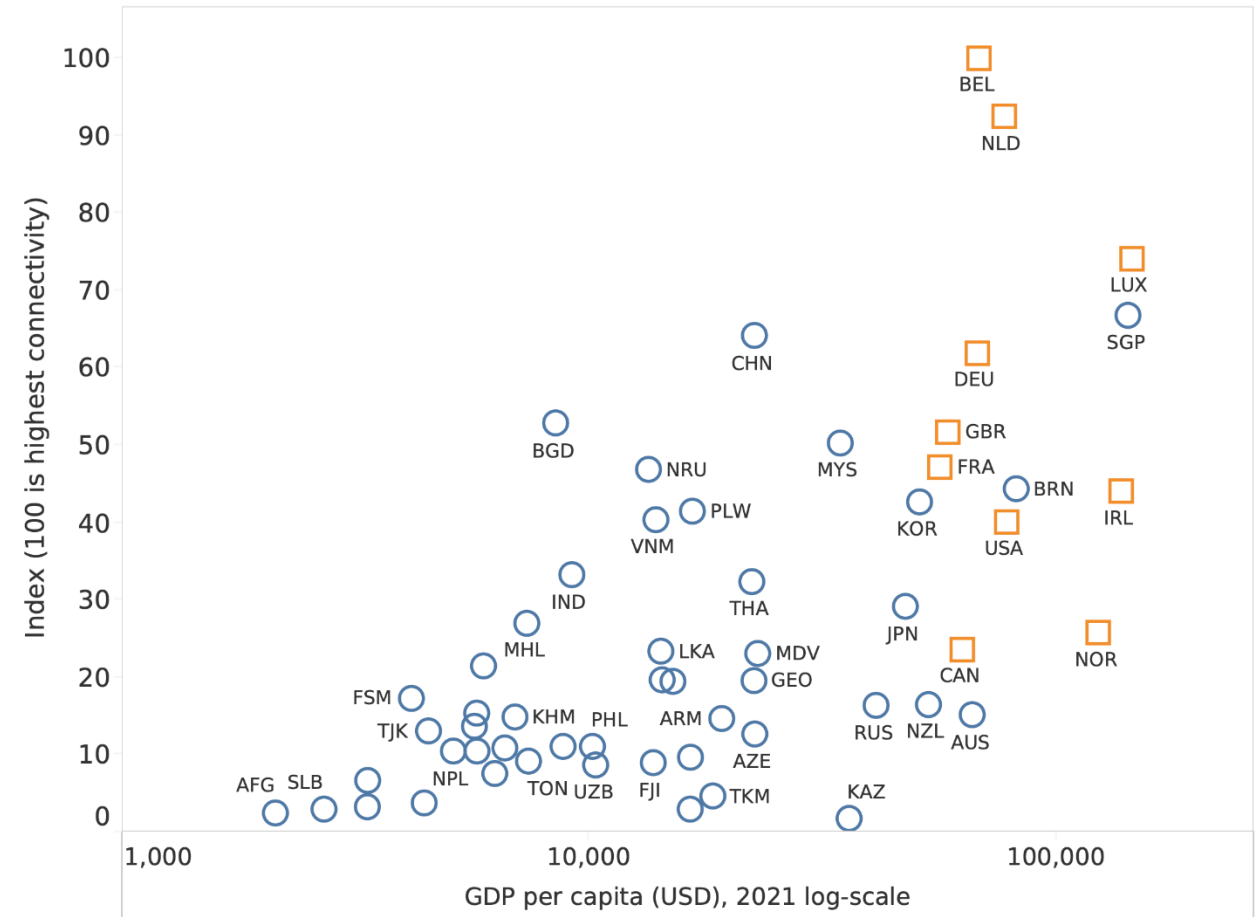
Access gap in Asia, transport vs. other sectors

million population *without access*



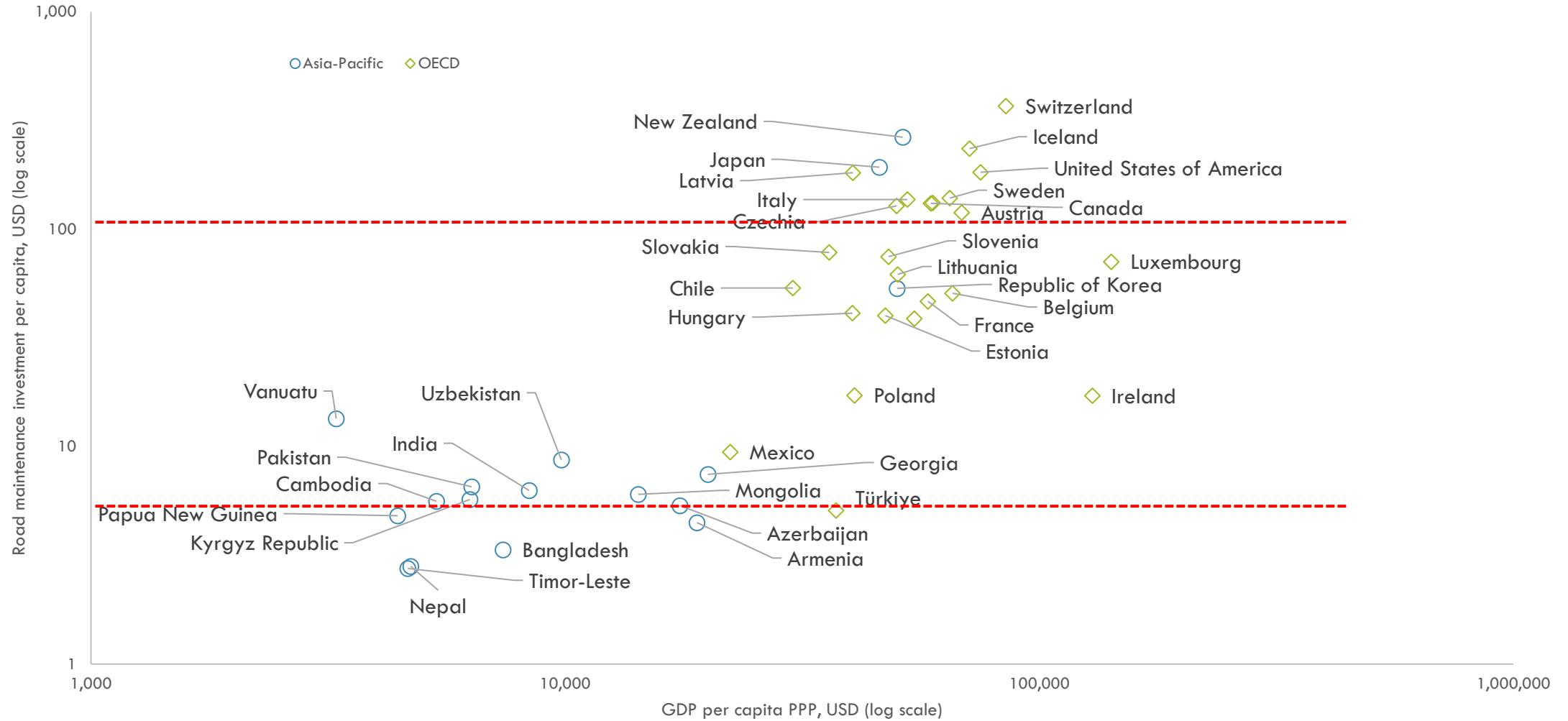
Source: CIESIN, Tracking SDG 7, ITU, World Bank

REMOTENESS INDEX:
Transport connectivity



Source: UNCTAD

Road Maintenance Gap in Developing Asia



Transport Resilience Gap



From Breakdowns to Breakthroughs:

Climate Resilience of Asia-Pacific's Transport Infrastructure

Transport resilience is the backbone of a future-ready Asia-Pacific—helping systems adapt, recover, and thrive amid rising climate risks. This paper highlights why building climate-resilient transport isn't just urgent, it's essential, offering fresh insights, strategies, and policy directions to drive durable, sustainable mobility across the region.



Download the report here



Average annual damages to transport infrastructure

\$8.5 billion to \$54 billion of damages per year



Policies that promote greener roads – UNCRD-Aichi Recommendations

Develop, communicate, and implement a road asset management policy and strategy	Prepare road network investment plans as one component of integrated multimodal transport systems	Promote performance-based contracts	Adopt a digital strategy for roads
Identify rural areas that can benefit from a denser road network	Base infrastructure investment decisions on local needs	Develop multimodal rural transport networks for greater economic and social benefit	Support the provision of cost-effective transport services in rural areas
Provide support to establish rural public transport services	Make use of integrated rural access planning	Strengthening the role and capacity of local governments in integrated rural access planning	Emphasize sustainable infrastructure development
Adopt renewable energy sources	Encourage eco-friendly transportation options	Implement green logistics and freight transport	Adopt a 'dig once' policy
Establish comprehensive performance metrics	Monitor socio-economic impact	Foster stakeholder engagement	Incorporate climate-resilient design
	Develop disaster preparedness plans	Encourage green infrastructure solutions	

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

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