

Systematic shift towards resilience: Transport in Asia-Pacific

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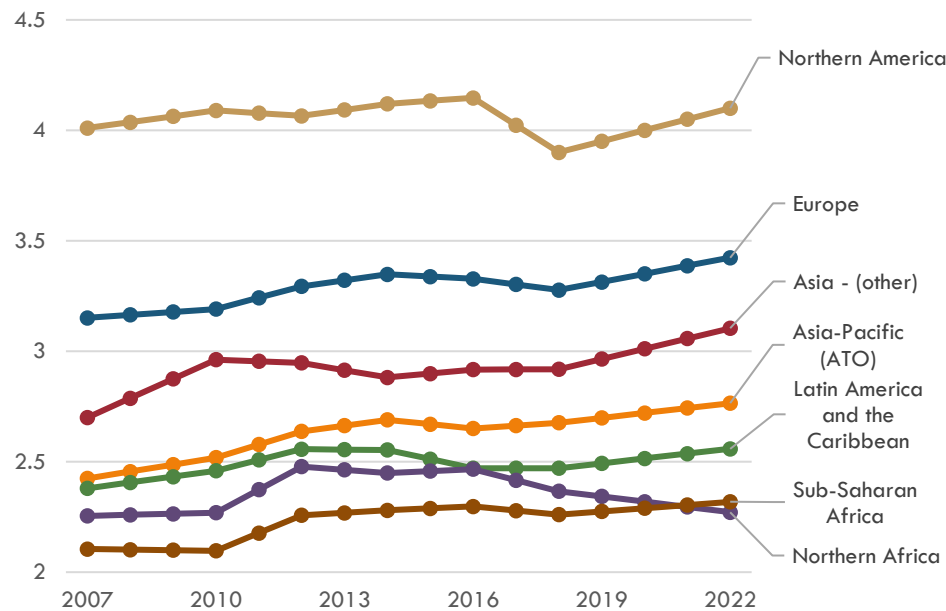
Asian Transport Observatory

Beyond Bricks: Transforming Infrastructure, Cities and
Industries for Climate Resilience Webinar

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Transport Infrastructure Gap

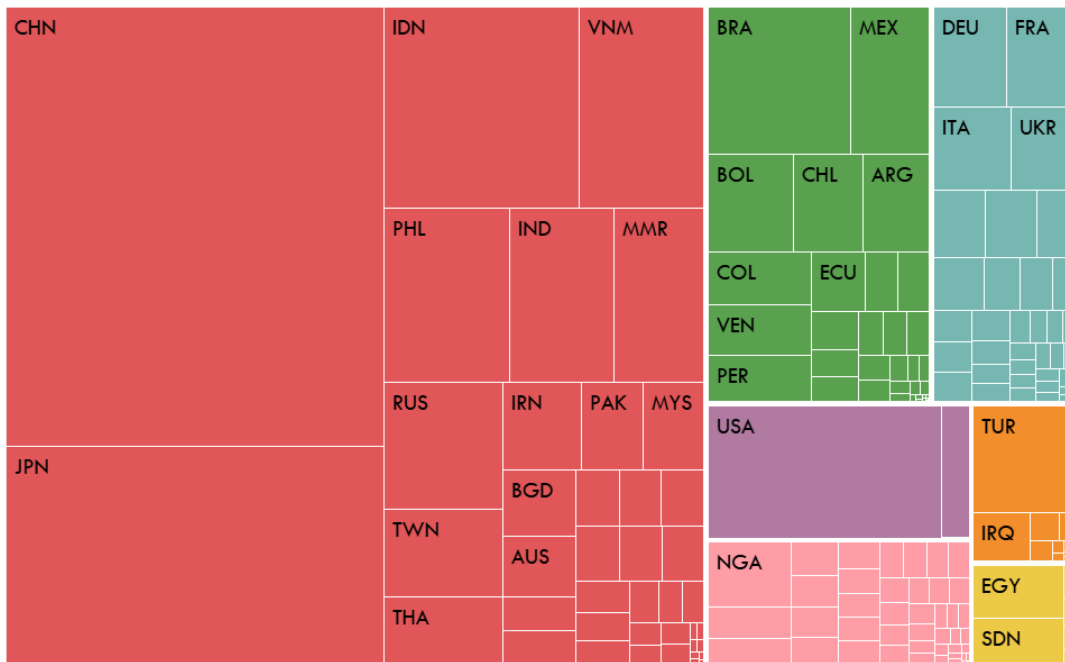


- **Asia-Pacific is still building out its transport systems** — infrastructure density and coverage lag behind global peers, with road networks far below OECD levels.
- **The quality or transport infrastructure** is still poor in low and lower middle-income countries
- Estimates suggest that the Asia-Pacific region will need approximately **\$31 trillion** from 2025 to 2035 to develop, maintain, and repair its transport infrastructure, roughly 1.9% of the region's GDP

Sources: ATO, World Bank



Risk and Costs



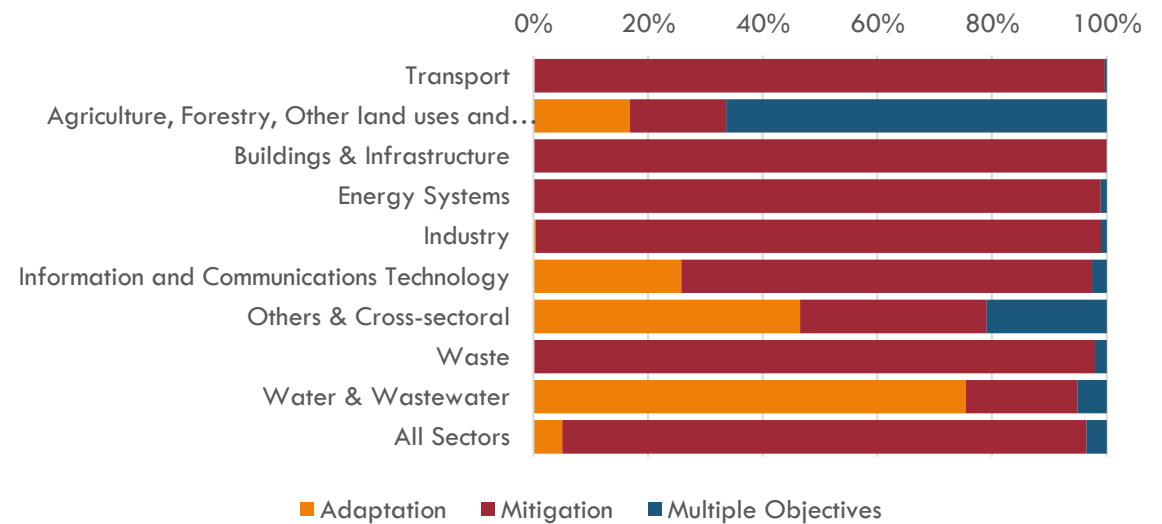
- Asia-Pacific (ATO)
- Asia - (other)
- Europe
- L.America & Caribbean
- Northern Africa
- Northern America
- Sub-Saharan Africa

- **Asia-Pacific accounts for 65%** of the globally expected annual direct physical damages to transport infrastructure due to climate and various other hazards
- **Impacts on infrastructure damages** and failures result in substantial costs. Physical infrastructure damages cost the region \$8.5 billion per year, or 65% of global costs
- The investment needs and gap for infrastructure **maintenance** expected to grow and need to be better reflect changing environments

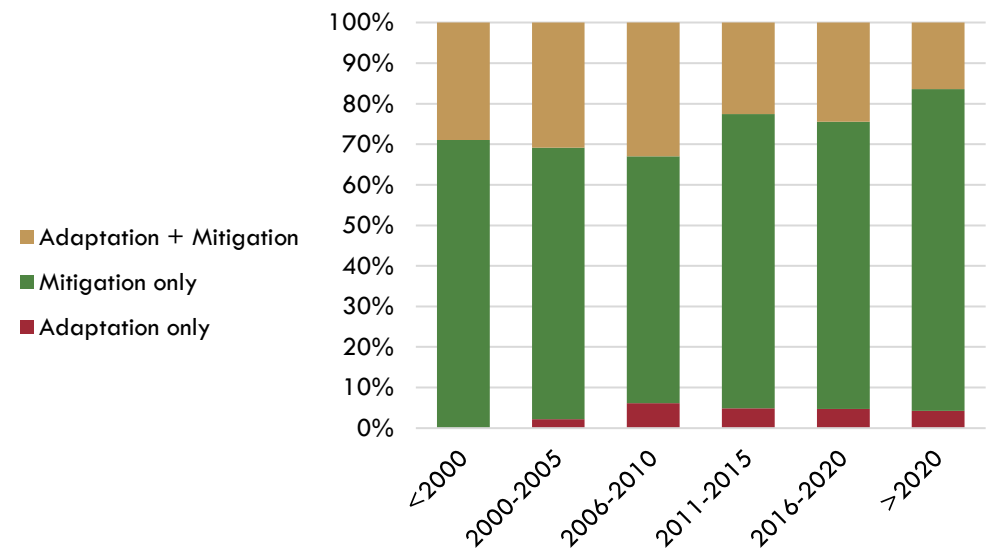
Sources: Koks et al; CDRI; Liu et al

Moving Forward

- Reorientation and re-scaling of **climate finance**
- Enhancing infrastructure quality and **design standards**
- Strengthening Resilience and adaptation in **policies**
- Building on **existing tools and partnerships**



Sources: Climate Policy Initiative; ATO



Link to the report



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