



Improving Access to Climate Finance for Transport

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WORKING PAPER

Access to climate finance in lowand middle-income countries: 14 case studies in the transport sector

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HIGHLIGHTS

 Much has been written about scaling climate finance, but less is known about its use in specific sectors such as transport.

- We examined the landscape of international climate finance for transport in Asia, Africa, and Latin America, looking at 839 transport projects and conducting 14 case studies. The international climate finance mechanisms we studied include climate funds, multilateral development banks, donor governments, and private investors.
- We found that a third of the transport projects that received climate finance involved building roads. Fewer public transport and electric vehicle projects accessed climate finance, and only 20 percent of projects explicitly aimed at improving resilience.
- The common barriers to accessing climate finance were inadequate policy frameworks, limited project preparation capacity, high upfront costs and risk perceptions, complex funding requirements, and difficulties in assessing projects' broader socioeconomic benefits.
- Countries can address these roadblocks by creating an enabling environment with sustainable policies and transport targets, attracting private investments with de-risking instruments, building capacity to design and implement bankable projects, and doing more to monitor and evaluate the impacts of transport measures.

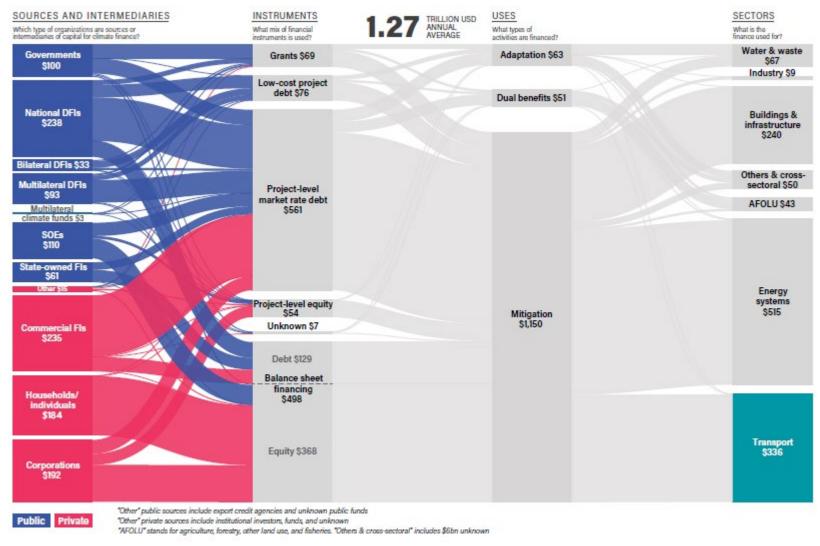
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Sources of climate finance

- Global climate finance reached \$1.3 trillion, yet insufficient and inconsistent across regions & sectors.
- Transport received 29% of the global mitigation climate finance with \$336 millio n.
- Between now and 2050, we need to invest an estimated
 \$2.7 trillion annually —
 Seven times what is currently being spent—to reach a low-carbon transport pathway.

Figure. Sources of climate finance connected to end use by sector

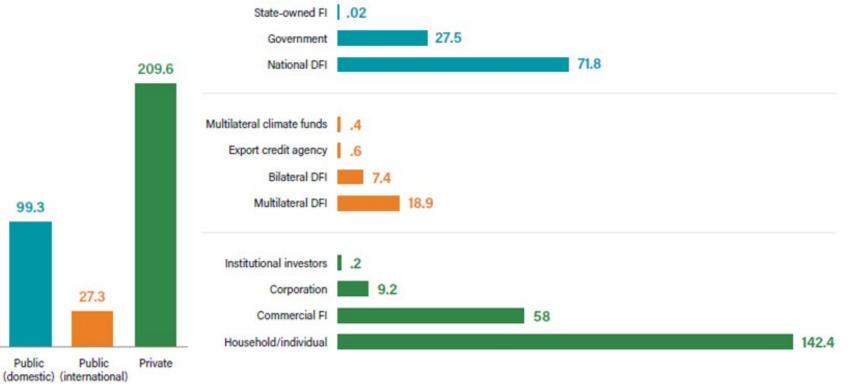


Source: CPI. 2023. "Global Landscape of Climate Finance 2023." Washington, DC: Climate Policy Initiative.



Where are we on climate finance for transport?

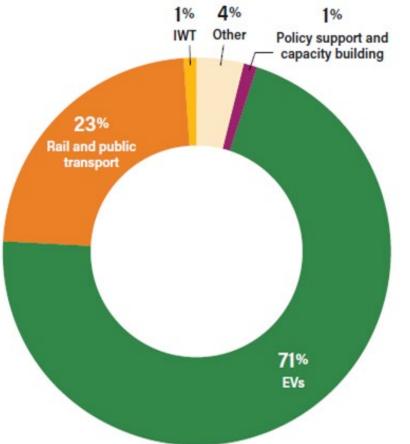
- Private actors provided 62% of the climate finance flows to transport, resulting primarily from household spending on EV purchases.
- Public actors contributed \$127 million, with national DFIs being the largest source.



Note: FI = finance institution; DFI = development finance institution. *Source:* Adapted from CPI 2023c.

Where are we on climate finance for transport?

- Climate finance flows are unevenly distributed across transport modes and sub-sectors.
- Finance for EVs dominated transport investment(71%), followed by rail and public transport with 23 %.
- Inland water transport received only 1% of the climate finance flowing into transport.



Notes: IWT = inland water transport; EV = electric vehicle; 'Other' includes aviation, transport -oriented development, and infrastructure, as per Climate Policy Initiative methodology. *Source:*Adapted from CPI 2023c



State of Knowledge

Research Report



Landscape of climate finance for transport

01

- Reviewed global databases on 14 climate funds, multilateral development banks, bonds and private finance
 - Collated data of ~840 transport projects that accessed climate finance (2015-2023)

Case studies on barriers, lessons learned

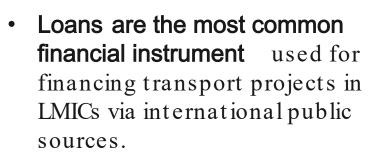
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Explored 14 cases to identify key barriers, constraints and lessons learned focused on Asia, Africa and Latin America and the Caribbean 03

Stakeholder consultation

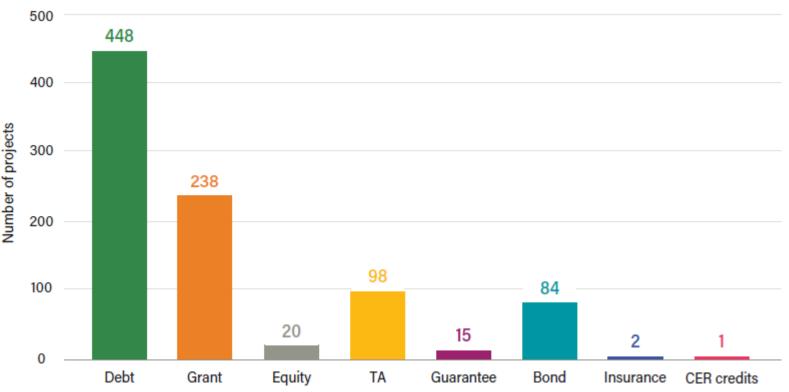
Consulted climate, transport, and financing experts from MDBs, DFIs, and other NGOs and verified findings Observations regarding the climate finance providers' databases, and financial instruments deployed

Observations regarding the climate finance providers' databases



- Concessional loans far outstrip other financial instruments.
- **Grants** are commonly deployed.
- Blended finance has been used for more than 30 transport projects. Our database includes
 84 transport-related green bonds.

Figure. Number of projects by instrument deployed in our database



Note: In this study, definitions for the types of instruments come from the providers of climate finance included in our database. TA, or technical assistance, refers to nonfinancial support provided to projects which is often aimed at enhancing their capacities to effectively implement and manage financial instruments and can be deployed at different stages throughout the life cycle of an investment. One project might deploy multiple financial instruments. CER = certified emission reduction. *Source:*Authors



Observations regarding the climate finance providers' databases

- Land transport projects account for 75% of the total projects.
- One-third of these projects are related to constructing, rehabilitating & maintaining roads, highways, and bridges and enhancing connectivity.
- There are significant adaptation needs in the sector for all-weather roads and other improvements.
- Only **20% of projects explicitly** aimed at **improving resilience**.

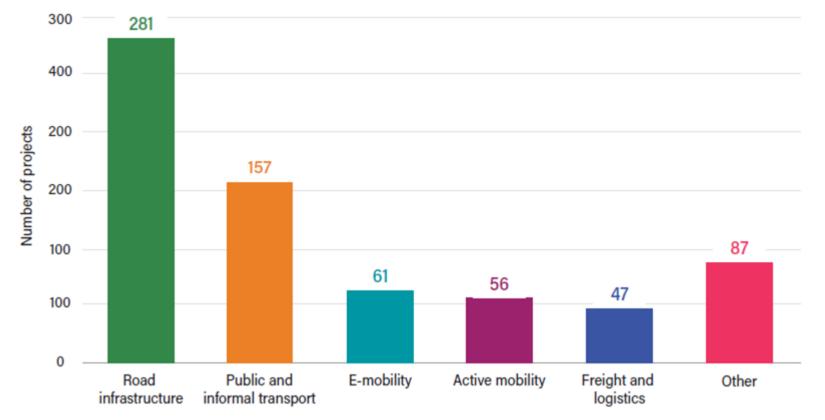
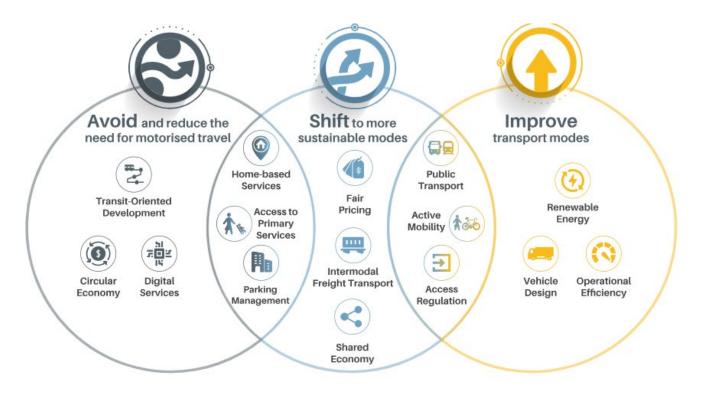


Figure. Number of projects by transport mode in our database

Note: The 'other' category includes projects dedicated to technical assistance, support for policy formulation, project preparation, and feasibility studies. Mode categories may include projects that span more than one mode. *Source:*Authors

Observations regarding the climate finance providers' databases

- Climate finance for transport should be high quality, aligned with the avoid-shift-improve approach.
- Need for transparency within development finance to ensure measurable impact and contribution to adaptation and/or mitigation.
- More climate finance is needed across all sectors and activities, regardless of the percentage breakdowns by mode.



Note: The ASI diagramme presents a non-exhaustive list of measures. *Source:*SLOCAT n.d.

How to Improve Access to Climate Finance for Transport?

Areas of action to scale up financing for low-carbon and resilient transport projects

MAIN BARRIERS	AREAS OF ACTION	FINANCING MECHANISMS
Lack of enabling policy and regulatory framework	 Governments (national, subnational) Set policies, regulations, and binding transport targets Enhance coordination across agencies (transport, climate, finance) and levels of government De-risk to make transport projects more appealing to private investors 	Finance instruments, economic policy instruments, finance delivery mechanisms, governance structures (e.g. equity, debt financing, blended finance,
Limited capacity for project preparation and implementation		
	Governments, donors, and financial institutions	land value
High upfronts costs and long life cycle	 Develop innovative financing mechanisms to further attract private investment (e.g. demand aggregation, a national payment security mechanism) Build capacity among key stakeholders Obtain data to account for project's impacts Mobilise private finance more effectively and provide 	capture, pricing, regulation, standards, public-private partnerships)
High risk perception and low potential for returns	technical assistance	
	Private financial entities and other partners	
Quantity and quality of climate finance and its complex nature	 Provide additional finance by shifting investment portfolios toward climate-smart transport projects Engage in data reporting with a common tracking framework Facilitate public-private dialogues 	

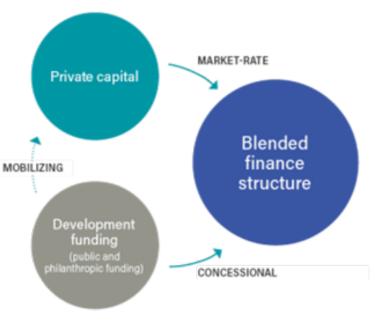
Multistakeholder engagement and dialogues



Blended finance

Mobilizing the private sector is not easy – and a track record goes a long way. Blended finance is a valuable tool for building markets.

 Blended finance combines concessional finance with non concessional, often private, capital.



Blended finance mechanisms



learn more at transport-links.com

Thank you!

For any questions or clarifications:

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