

Popular Transport Decarbonization: Opportunities for Impact



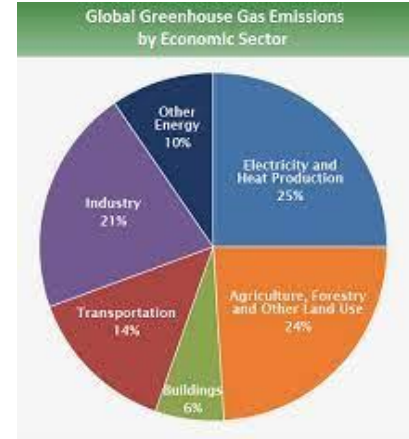
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 COLUMBIA CLIMATE SCHOOL
Clean Air Toolbox for Cities



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Climate Crisis: Transport Sector a growing part of the problem globally



Equity and Justice Issue:

Global South –less responsible for global transport emissions per capita but likely to suffer more from impacts including impacts on transport systems

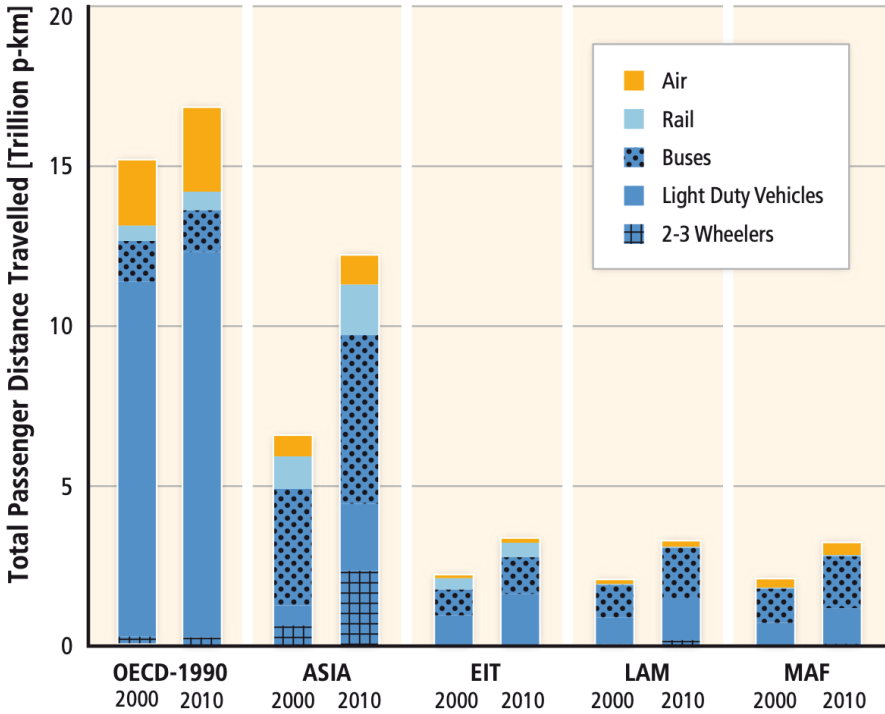
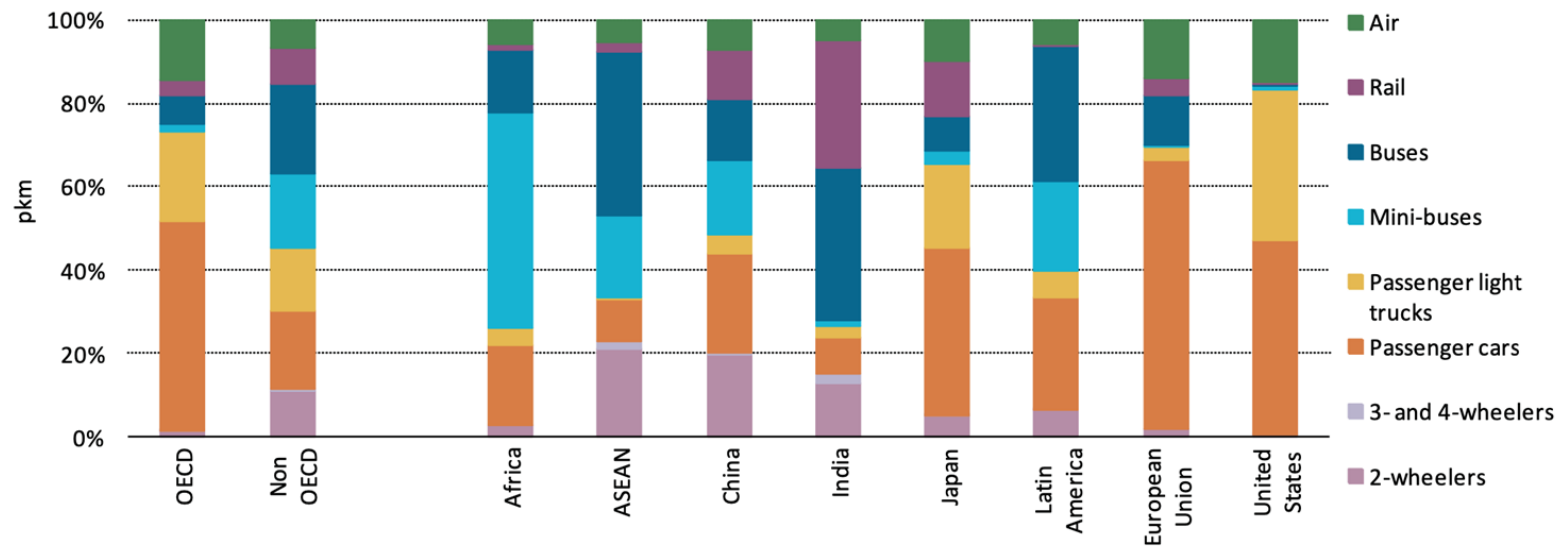


Figure 8.4 | Total passenger distance travelled by mode and region in 2000 and 2010 (IEA, 2012c)

Decarbonization an opportunity to improve popular transport as dominant motorized mode

Passenger mode share estimates (2009)



Modal data is limited in most countries but is critical to analysis of transport sector trends and potentials.

Co-Benefits substantial: public health, livelihoods/income and equity (*exposures greater for those using popular transport, older vehicles, poor safety*)...



“Road injuries are now the biggest killer of children and young adults worldwide, according to the World Health Organization” (WHO)

“The effects on health of transport-related air pollution have become one of the leading concerns about transport.” (WHO)

Many decarbonization pathways— all involve working closely with key actors in the sector

- Improve fuels (UNEP)
- Electrification (infrastructure and retraining)
- Beyond Used-Vehicle Bans to vehicle upgrades (incentives and recapitalization programs)
- Improve operations & networks, less idling and VMT (better integration across modes & with non-motorized transport and mass transit)
- Encourage mode shift by providing high quality, convenient and affordable services

Requires Finance: move from big projects to systems approach (improvements in popular transport)



Requires data, monitoring for impacts and for carbon finance



• DigitalTransport4Africa
(DT4A)
WEBINAR SERIES

AfricaAir 

Requires capacity building, collaboration & professionalization: growing efforts that need scaling



Paragem

Mangueiras

P0163a

X28 X29 X32 TPM

X28 MUSEU - MALHANZINE

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X32 MUSEU - MATENDENE

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