

# The Contribution of Land Transport towards realizing the 2° Climate Scenario

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Bridging the gap

Pathways for Transport in the Post 2012 Process

# Key Messages



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88 Organizations that promote the integration of sustainable transport in global policies on sustainable development and climate change  
[www.slocat.net](http://www.slocat.net)

## Bridging the gap

Pathways for Transport in the Post 2012 Process

7 Organizations that encourage international recognition of land transport's prominent role in the climate regime under the UNFCCC.  
[www.transport2020.org](http://www.transport2020.org)

1. With 25% of Energy Related GHG emissions, Transport must become low carbon to realize 2° Degree Scenario

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2. Transport and economic growth CAN, and MUST be decoupled

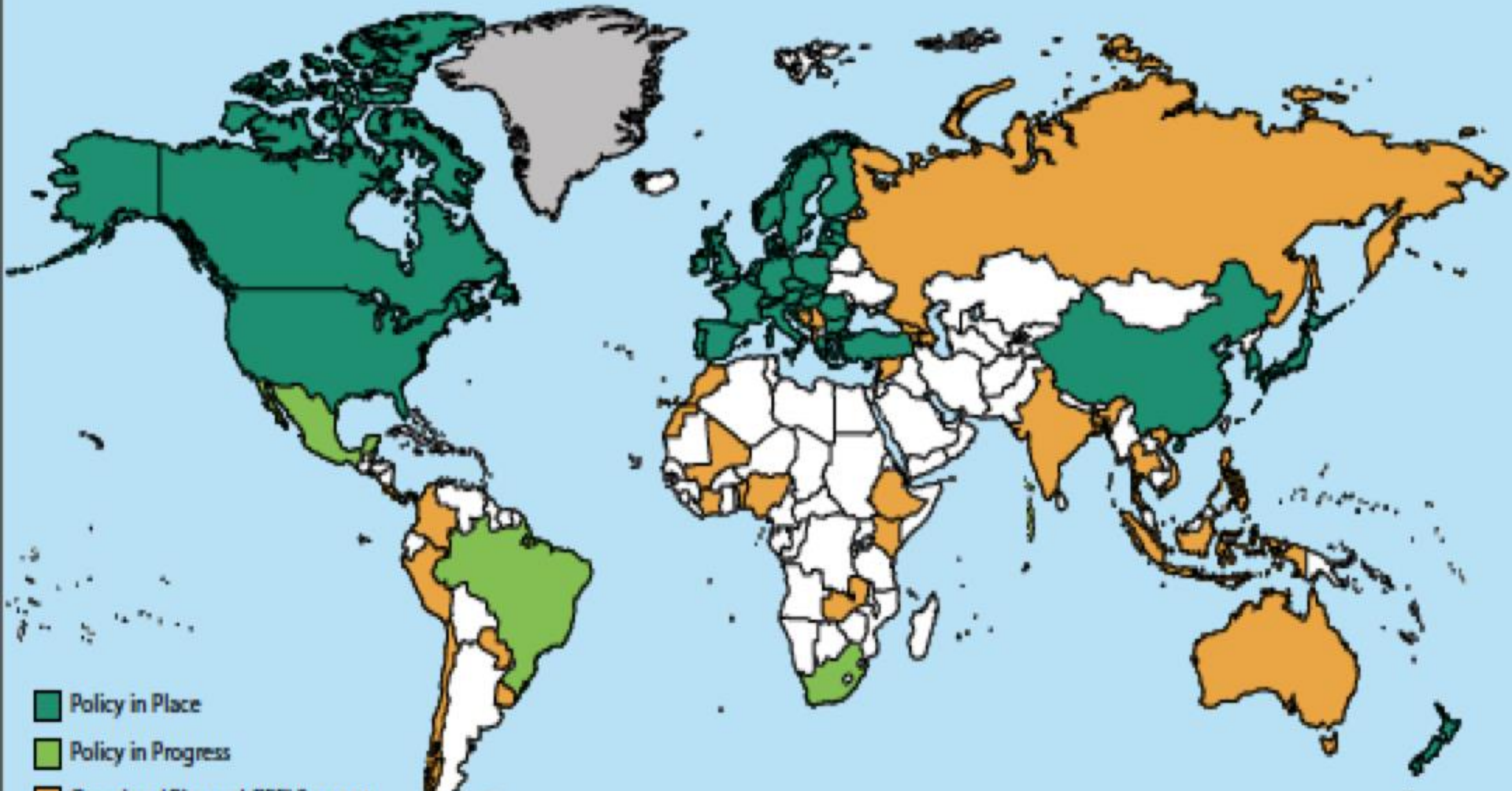
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3. Technology and system-wide improvements (e.g. fuel economy) needs to be combined with modal shift and behavioral change

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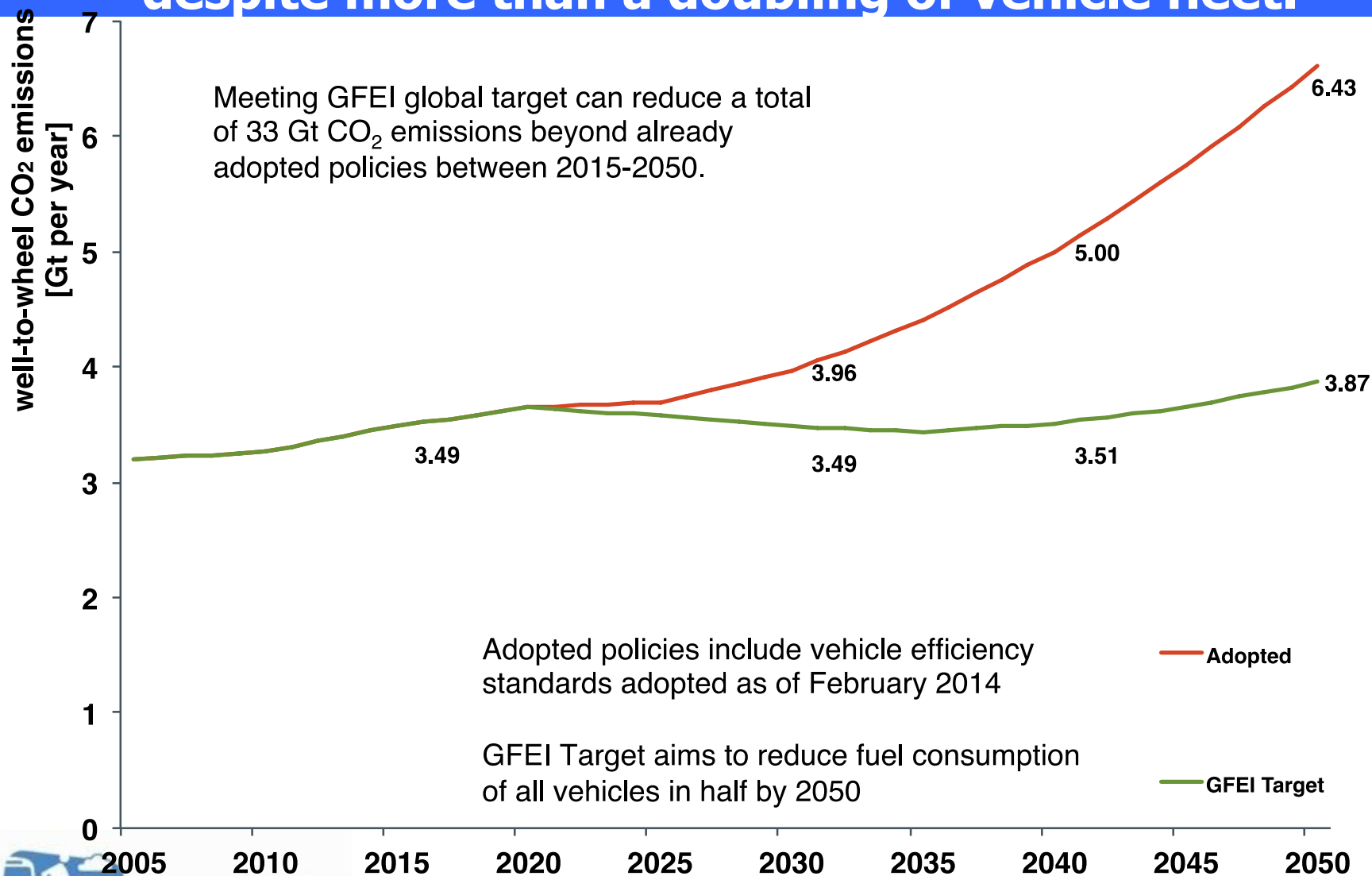
4. This is an **opportunity** not a constraint – saves money; builds resilience and delivers more than climate benefits but needs to start **NOW**. NAMAs can help kick-start change

# Fuel Economy



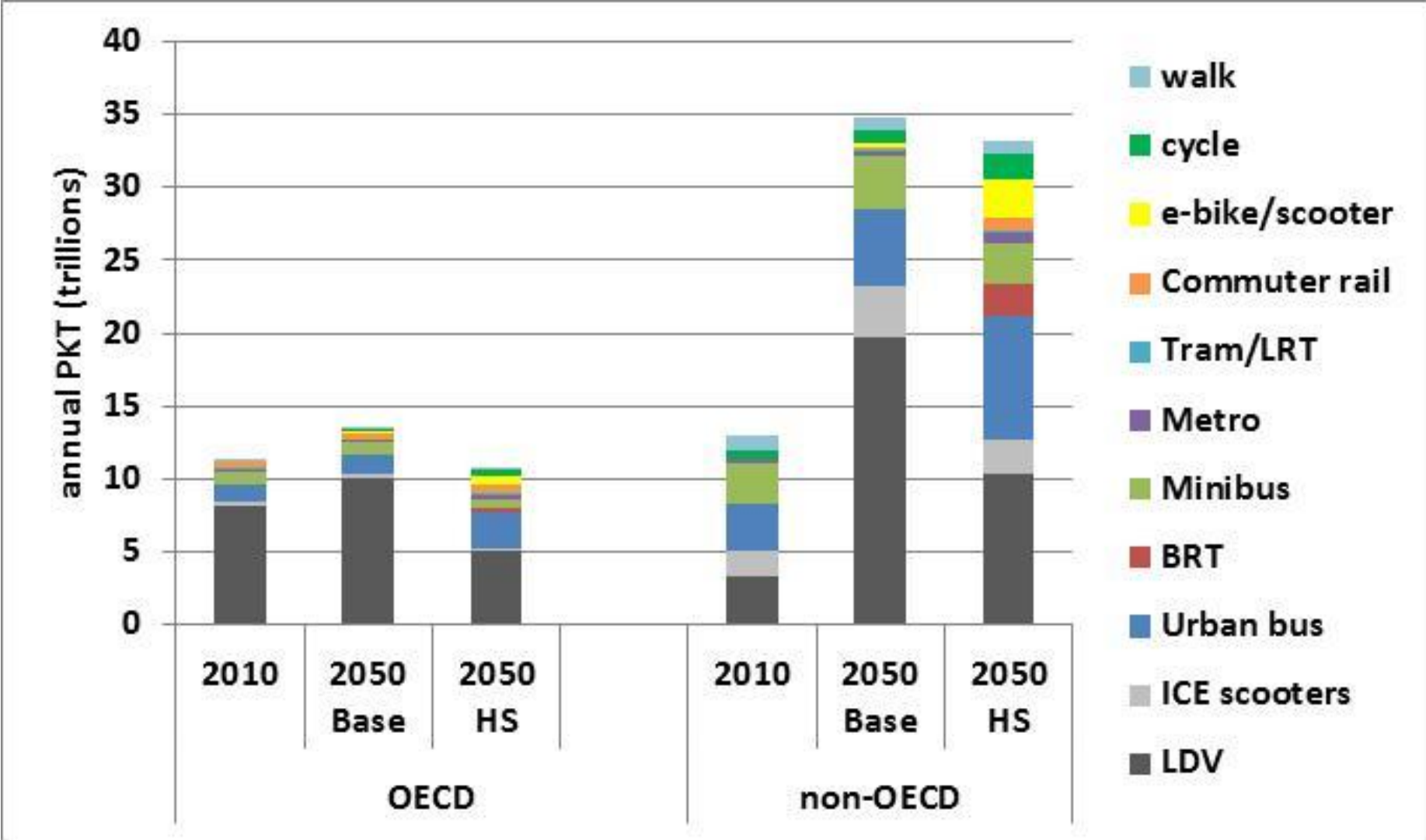
- Policy in Place
- Policy in Progress
- Ongoing / Planned GFEI Support

# Meeting GFEI target of reducing fuel consumption in half by 2050 can stabilize global light-vehicle CO<sub>2</sub> emissions, despite more than a doubling of vehicle fleet.

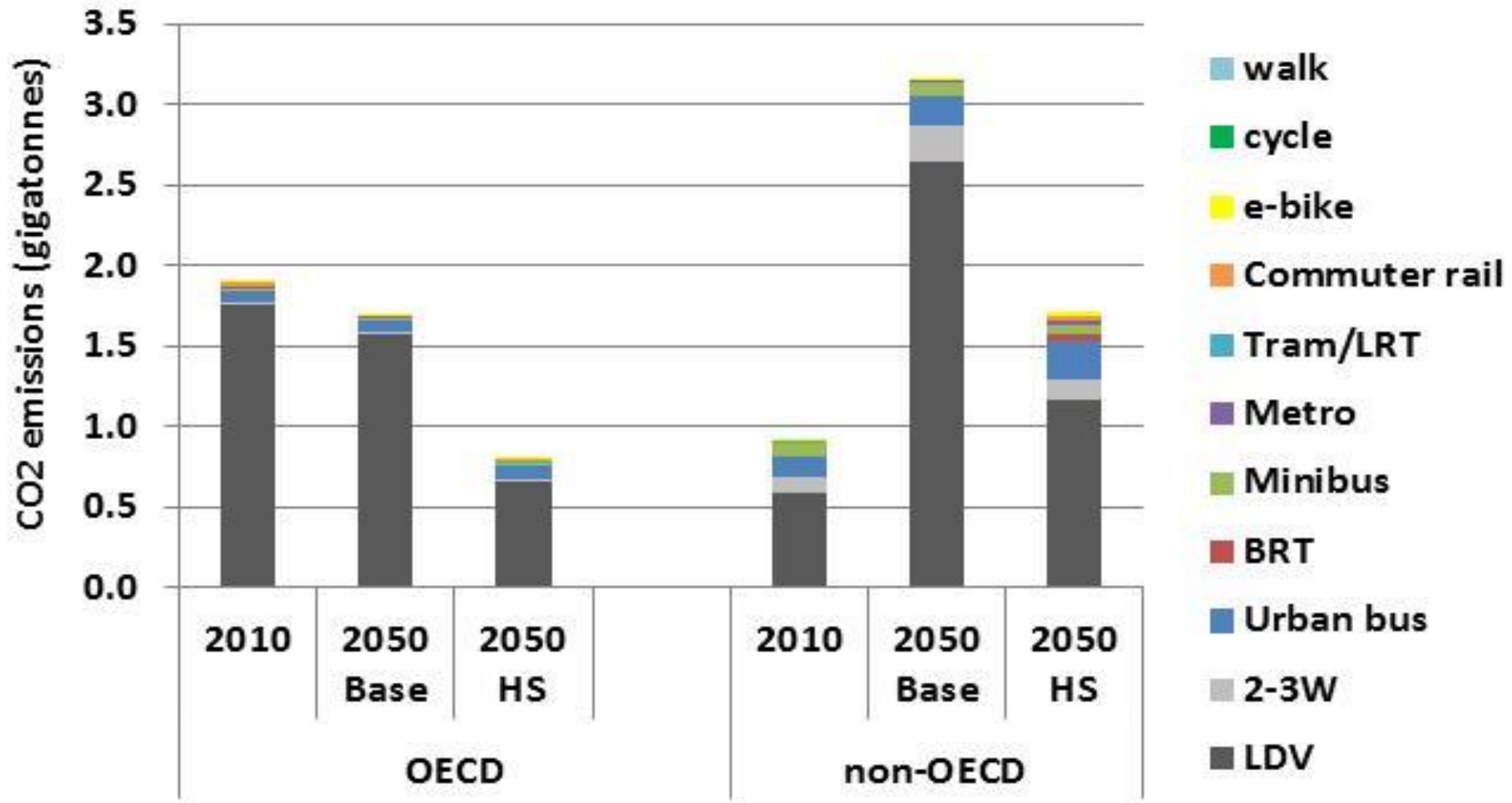




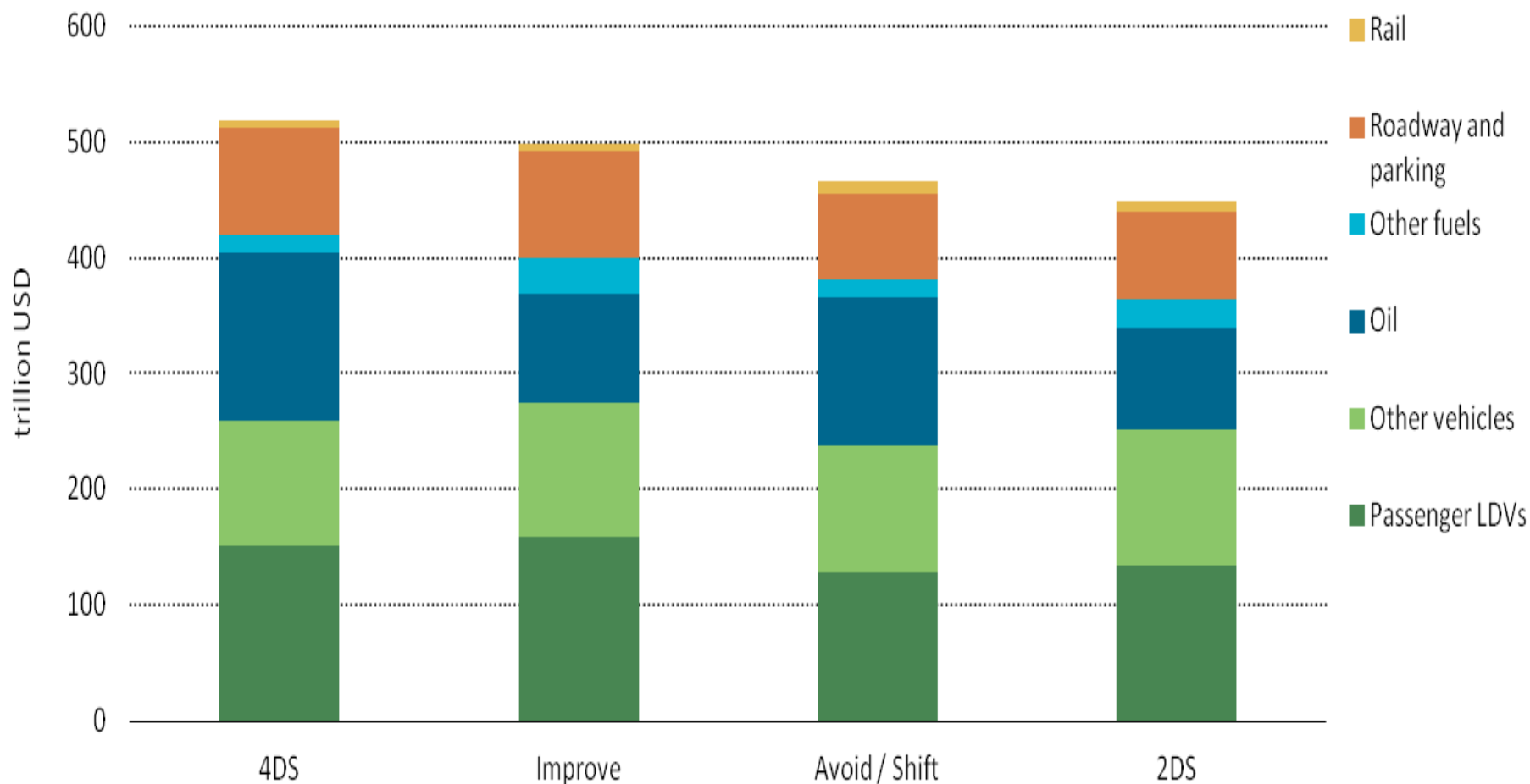
# The "High Shift" scenario: a vision of urban travel that provides urban access while cutting car travel in half by 2050



# Associated CO2 emissions ~ 50% reduction (4.9 to 2.5 Gt. in 2050)



# Avoid/Shift/Improve strategy would save \$50 trillion up to 2050



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IEA: Global transport expenditure estimates to 2050

# Potential CO<sub>2</sub> impacts and Sustainable Development benefits of different transport measures

	Energy savings	CO <sub>2</sub> reduction	Air pollution reduction	Safety improvements	Access / Mobility improvements	Congestion reduction
Avoid	moderate to high	moderate to high	moderate to high	high	high	high
Shift	moderate to high	moderate to high	moderate to high	high	high	high
Improve	high	high	high	moderate to high	low	low

**Avoid** the need for motorized transport

**Shift** towards most efficient mode of transport

**Improve** environmental performance of fuels and vehicles



# Transport is the second best represented sector in terms of NAMA activities (26 of 120 or 22%).

(Ecofys NAMA Database)

## TRANSPORT NAMA's BY APPROACH (AVOID-SHIFT-IMPROVE)

TYPE OF APPROACH	NUMBER
AVOID	4
SHIFT	13
IMPROVE	19
NOT KNOWN	2

**Avoid** the need for motorized transport

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# SLoCaT and BtG Initiatives

## Modeling | NAMAs | Climate Finance

**SLoCaT Post 2015 Results Framework on Sustainable Transport:  
Mainstream Climate Change in proposed SDGs**



**Transport Commitments planned on Fuel Economy, Public Transport, Railways, Electric Mobility, Green Freight**



**Transport Day 2014 @ COP 20 Lima, Peru**

“We need to change the way we plan our cities, the way we move goods and ourselves”

*SG Ban Ki-moon, October 2013*



Thank you!

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