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Senior Researcher



**Mobilising
Sustainable Urban
Transport
for
Global Climate
Action**



The Partnership on Sustainable, Low Carbon Transport (SLoCaT)

- Member-driven organisation with 90+ members: International organisations, development banks, NGOs, private sector, academia.
- Mission: Integrate sustainable transport into global policy frameworks for sustainable development and climate change action; and leverage knowledge and action in support of their implementation.

Diamond Supporters



Platinum Supporters



Gold Supporters





Why do we need sustainable urban transport?

Go to [menti.com](https://www.menti.com)

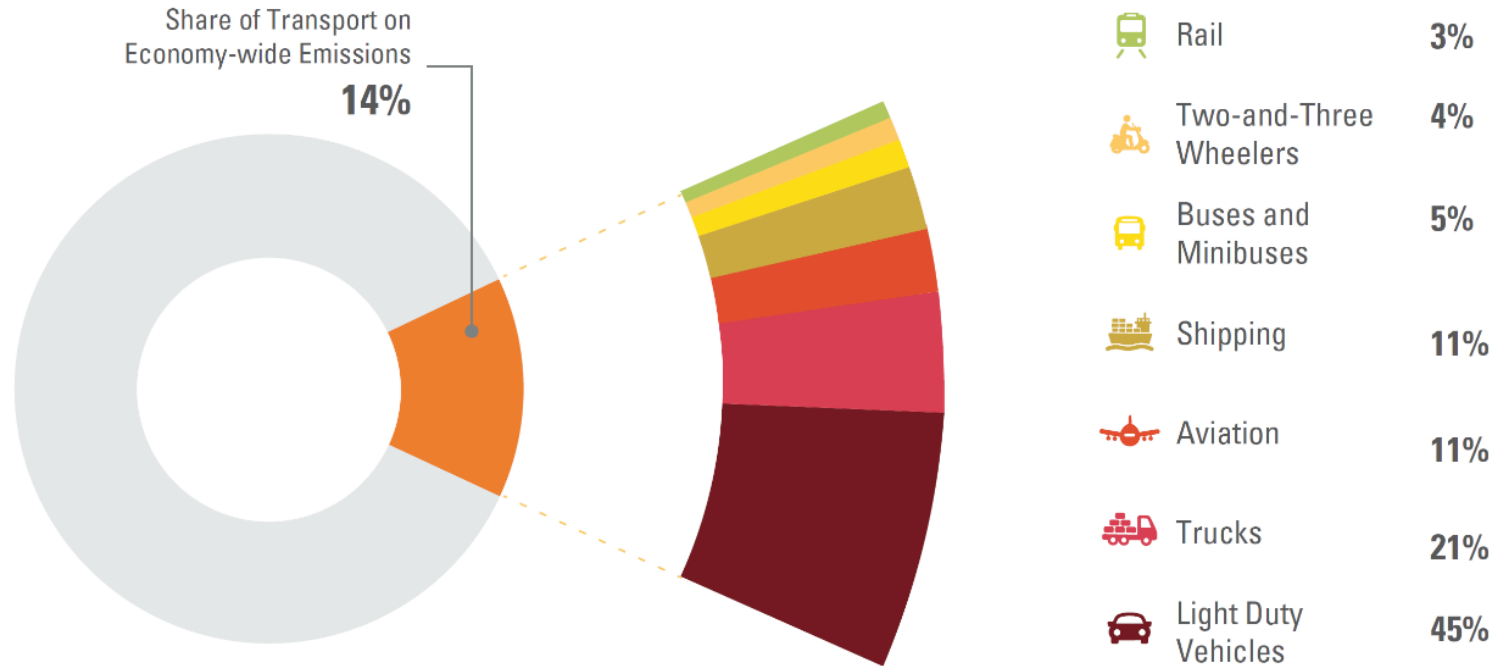
Use the code **87 54 09**

Type in your thoughts as keywords

Press **“Submit”**

Transport emissions significant and growing as share of total emissions

Share of transport Sector GHG Emissions by Mode (2015)





STRIES

AUDCO VALVES
AARJAN TECHNOLOGIES

MERCURY AKARI
RISES

शादी का कहानी
हिलस्पिल स्टोरी
दर गती लोहे का

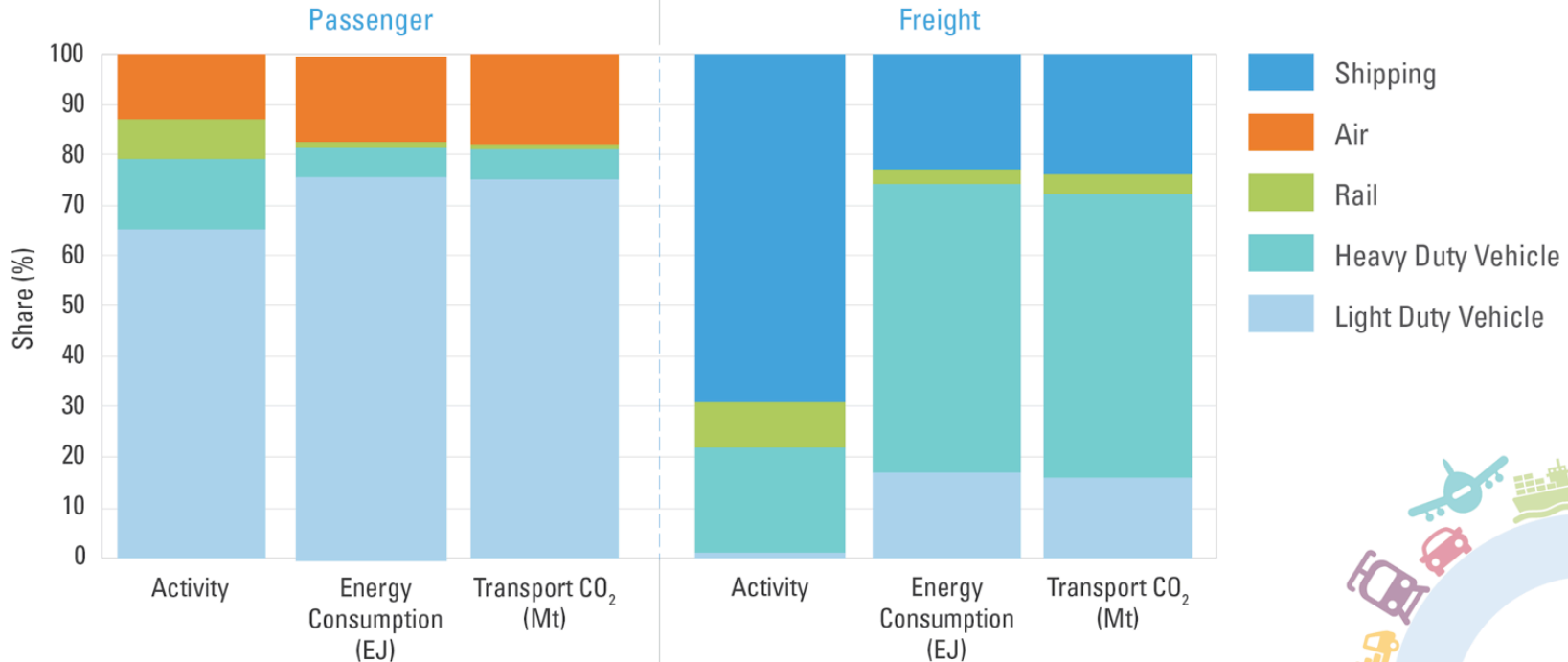
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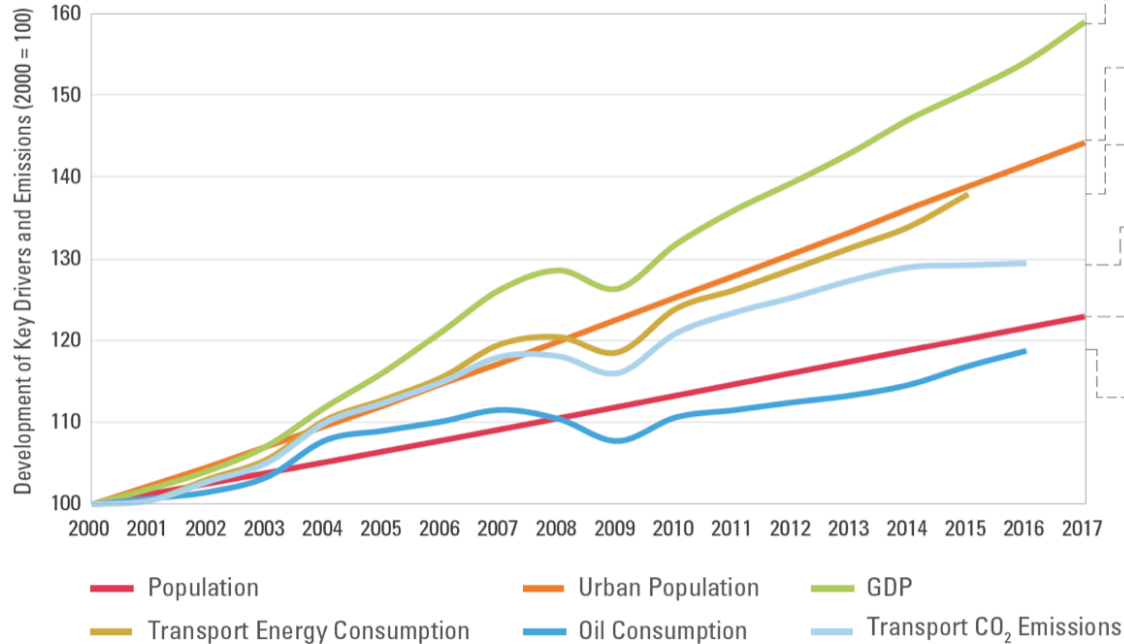
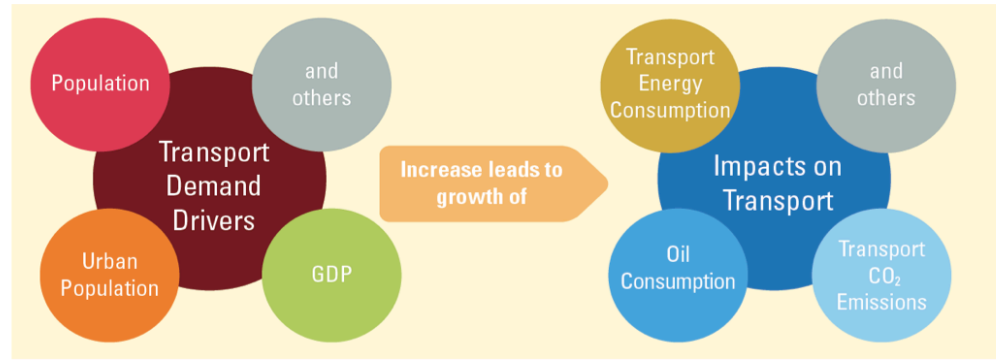
Heavy duty vehicles are a major cause of freight transport CO₂ emissions

Passenger and Freight Modal Shares - Activity, Energy Consumption and CO₂ Emissions (2015)

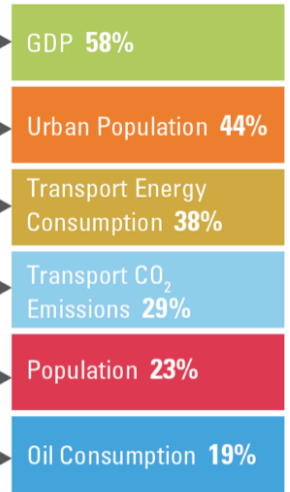




Transport Demand Drivers and Impacts (2000 to 2017)

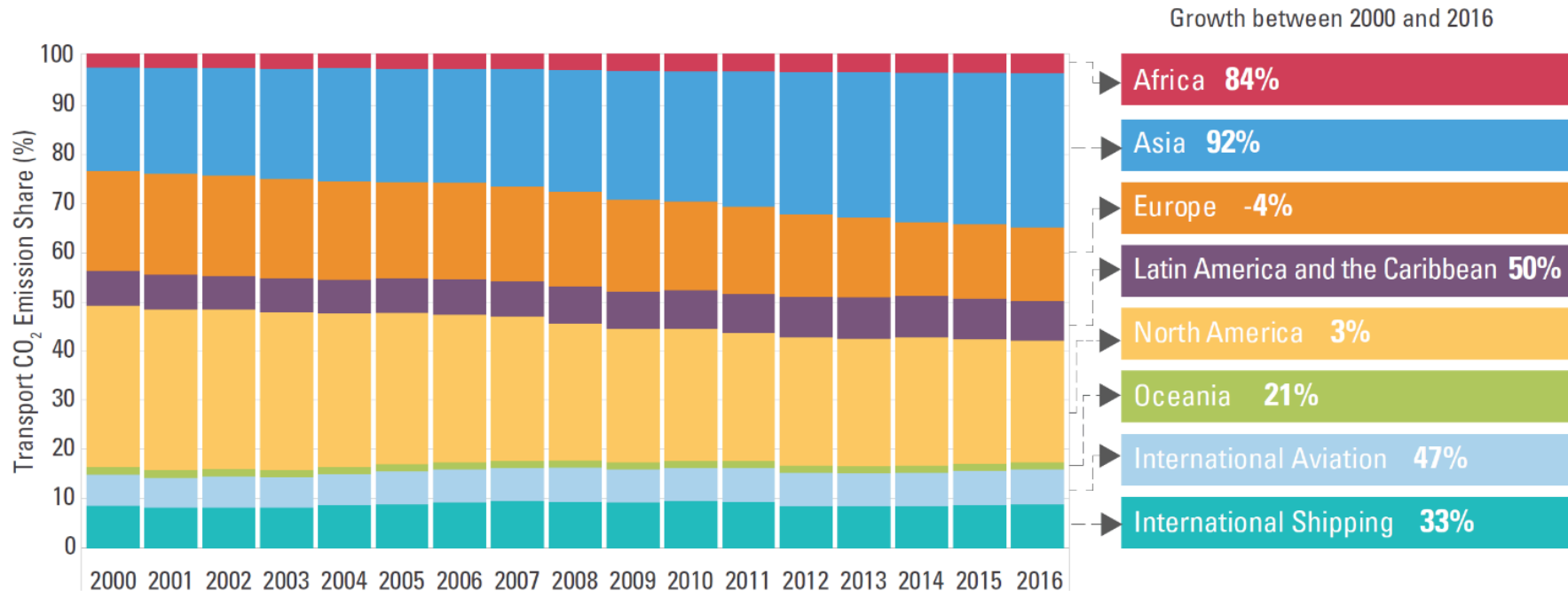


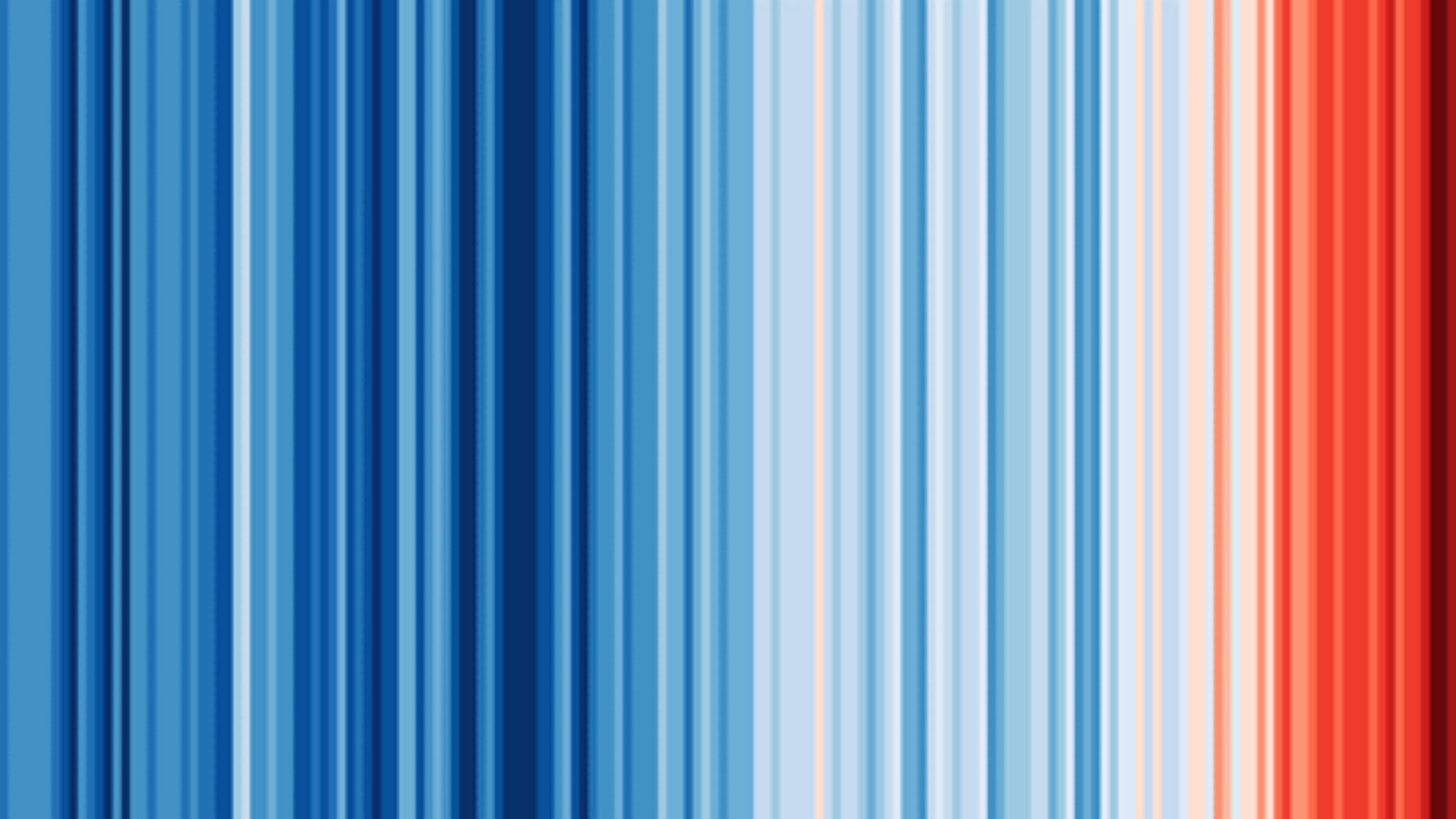
Growth between 2000 and most recent year



Transport emissions share shifting across global regions

Regional Share and International Aviation and Shipping Shares of Transport CO₂ Emissions (2000-2016)



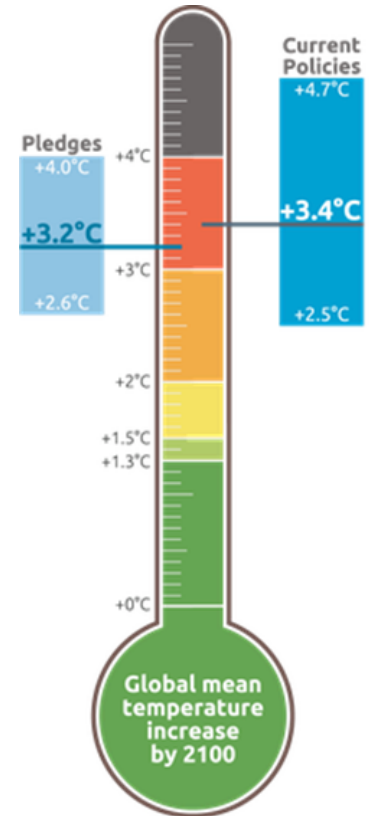


Paris Agreement on Climate Change as historic milestone in climate action

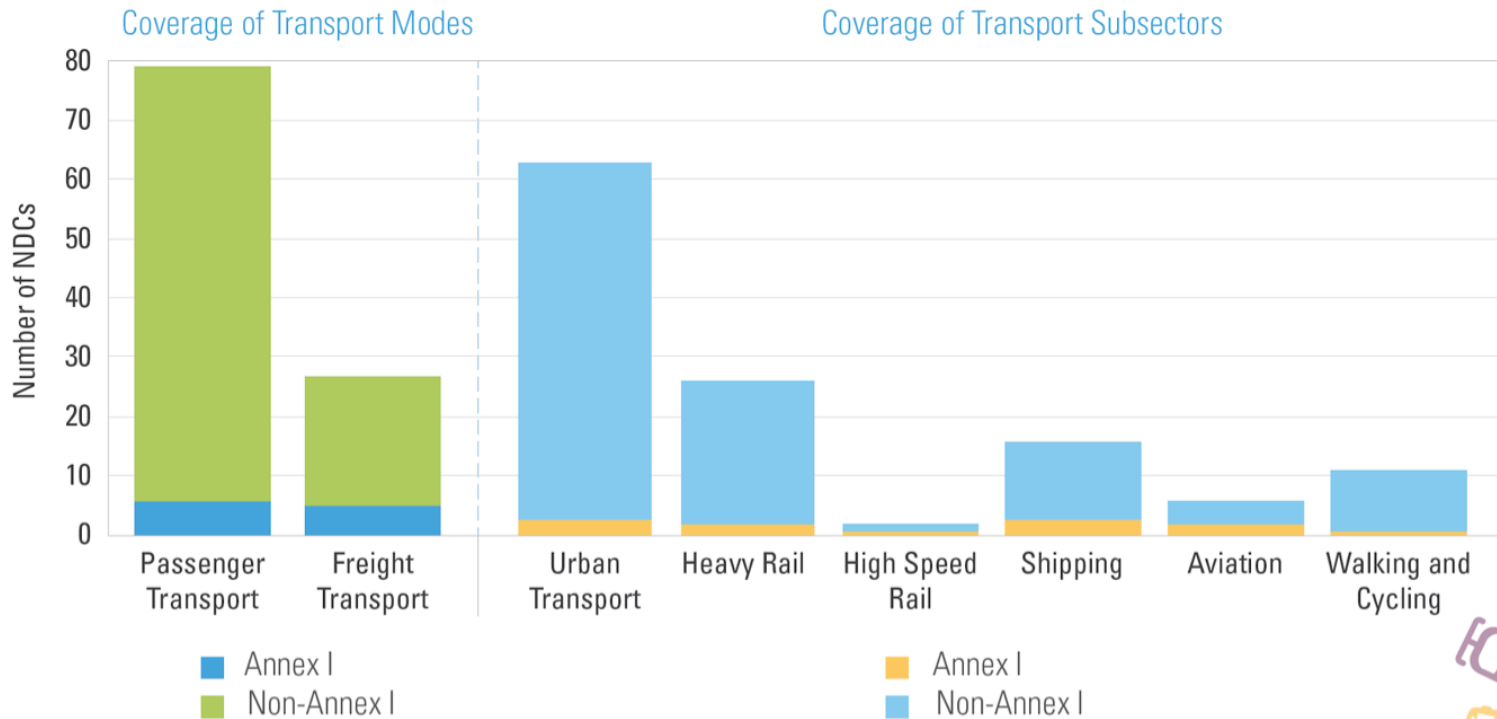
Target:

*“to hold the increase in the global average temperature to **well below 2°C** above pre-industrial levels and pursuing efforts to limit increase to **1.5°C**”*

Reality:

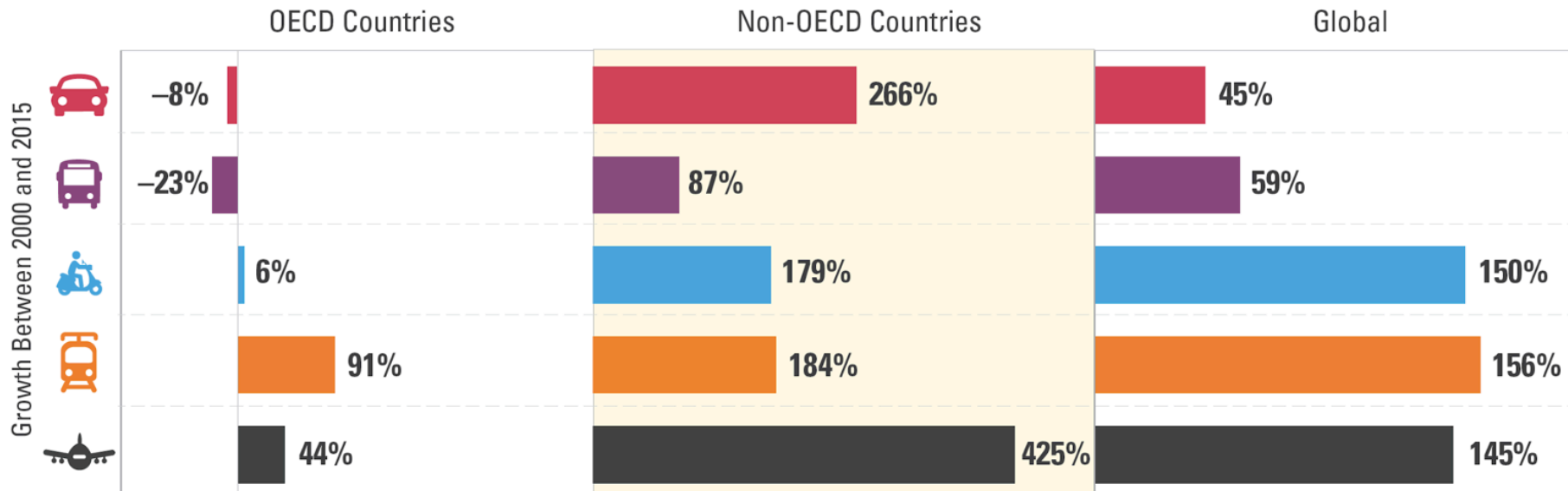


Nationally determined contributions lack specific targets on transport emissions



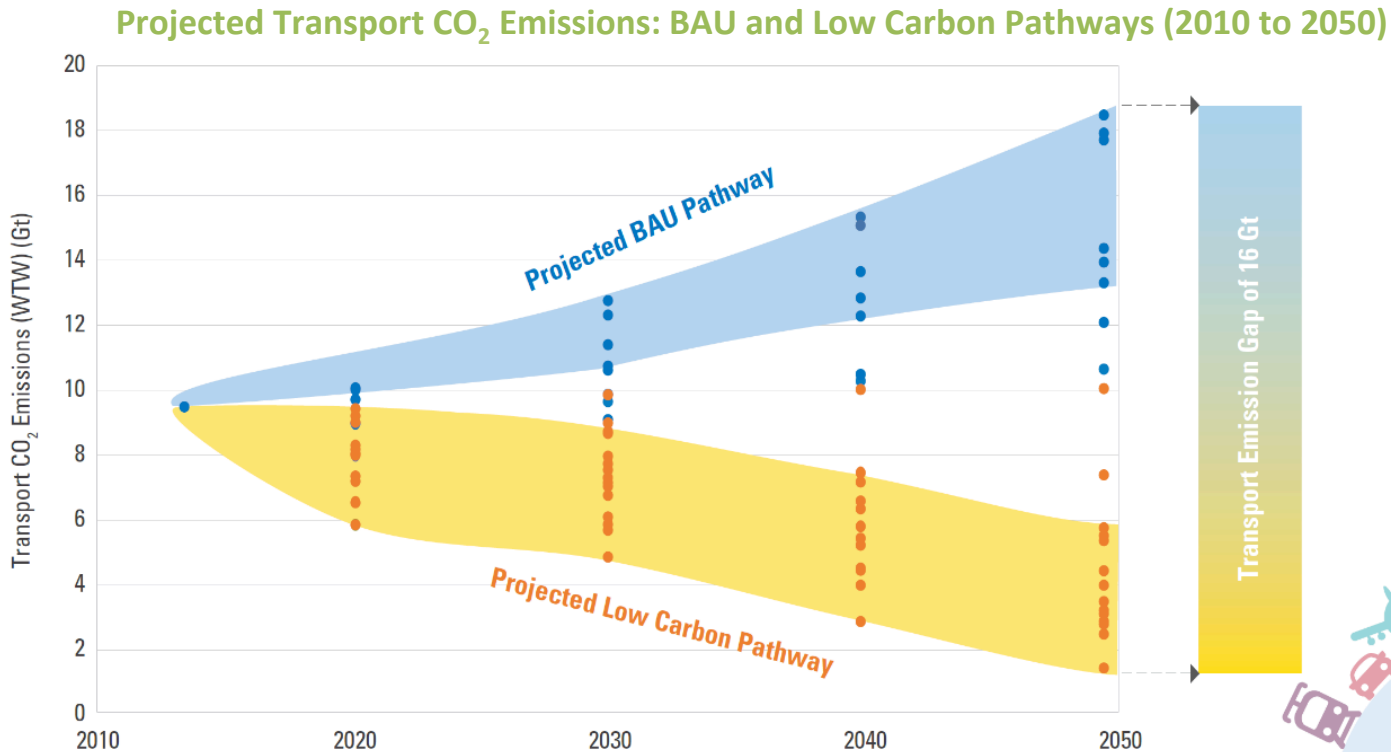
Private motorisation low in non-OECD countries but expected to grow

Growth of Passenger Activity for Motorized Transport Modes



Emission gap growing, but low carbon transport has high mitigation potential

**Transport
has to go
down to
2 Gt CO₂
by 2050**



Source: Various





What kind of sustainable urban transport measures are you aware of?

Go to [menti.com](https://www.menti.com)

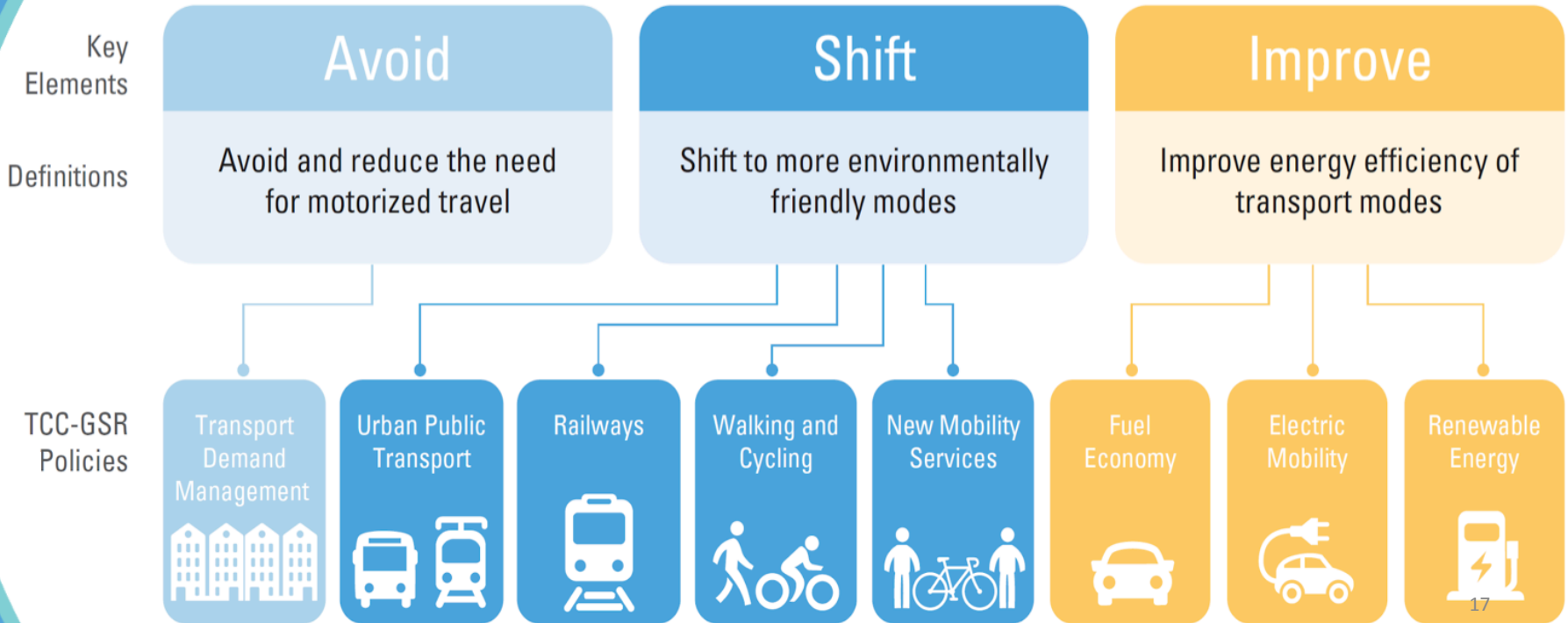
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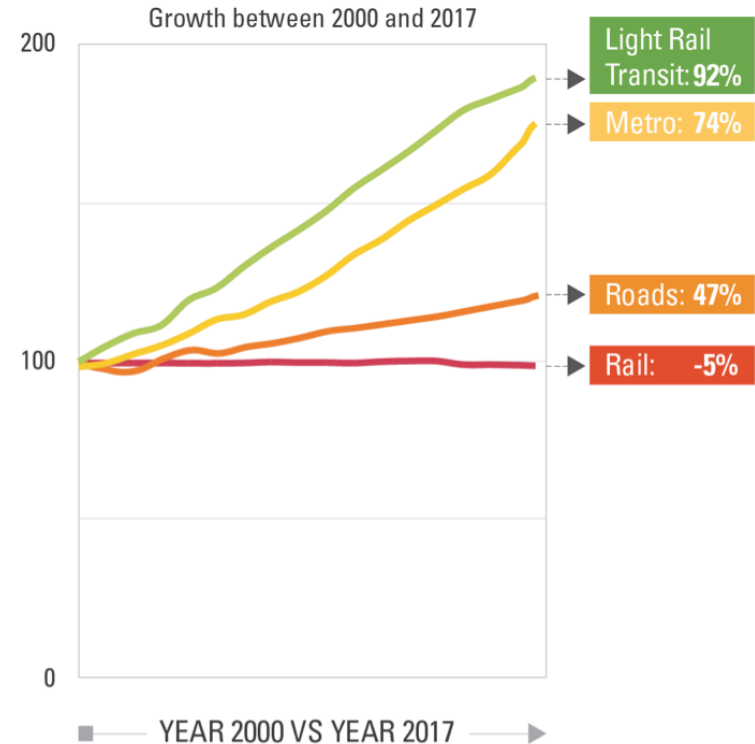
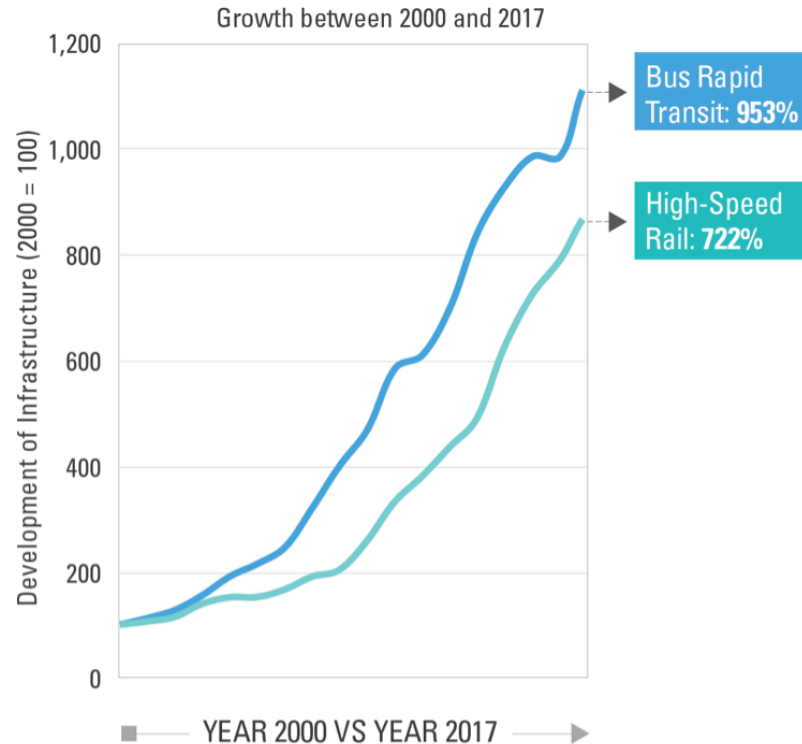


Avoid-Shift-Improve framework to support low carbon transport implementation



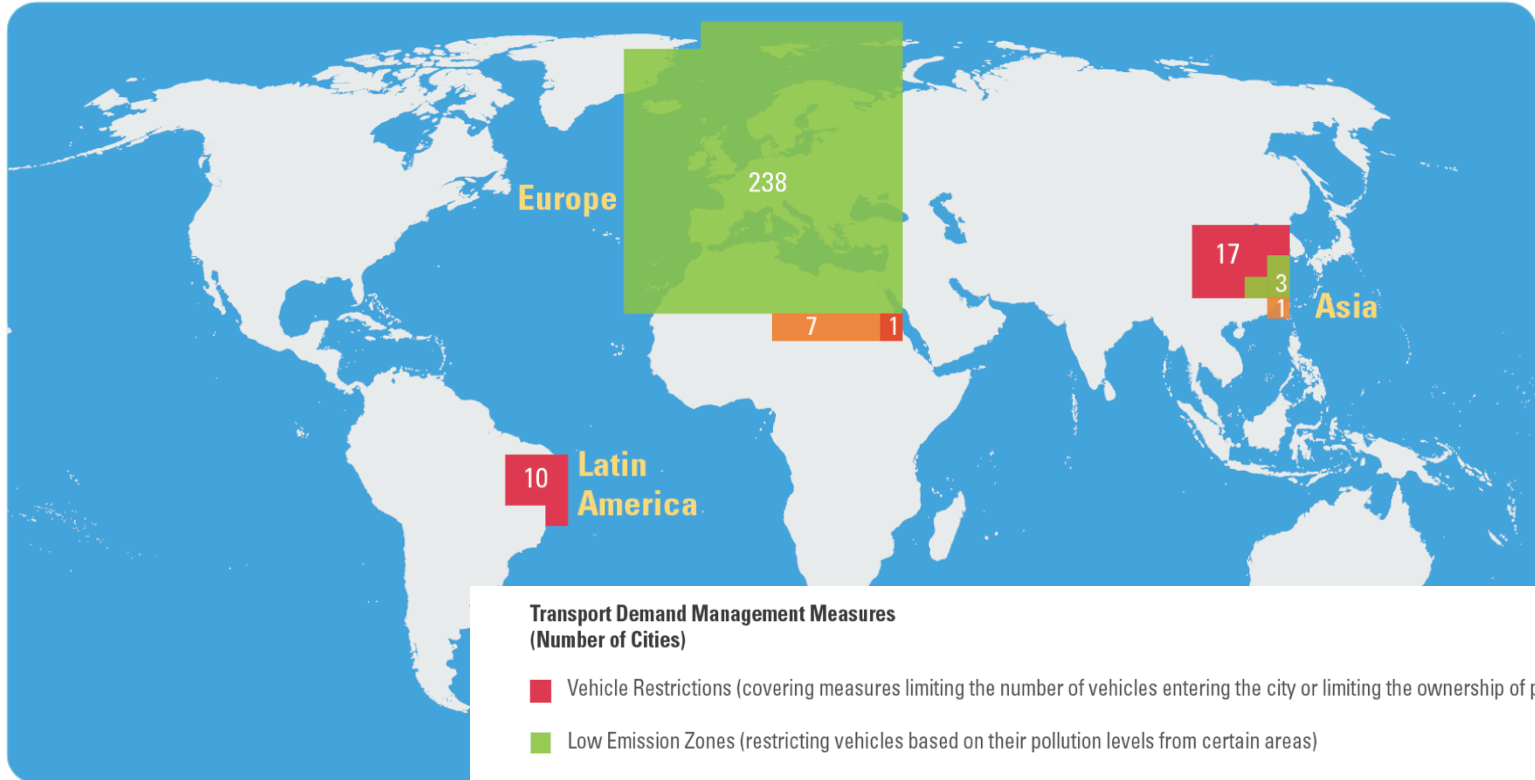
Infrastructure options for low carbon transport expand globally

Transport Infrastructure Increase (2000 to 2017) - BRT, LRT, MRT, HSR



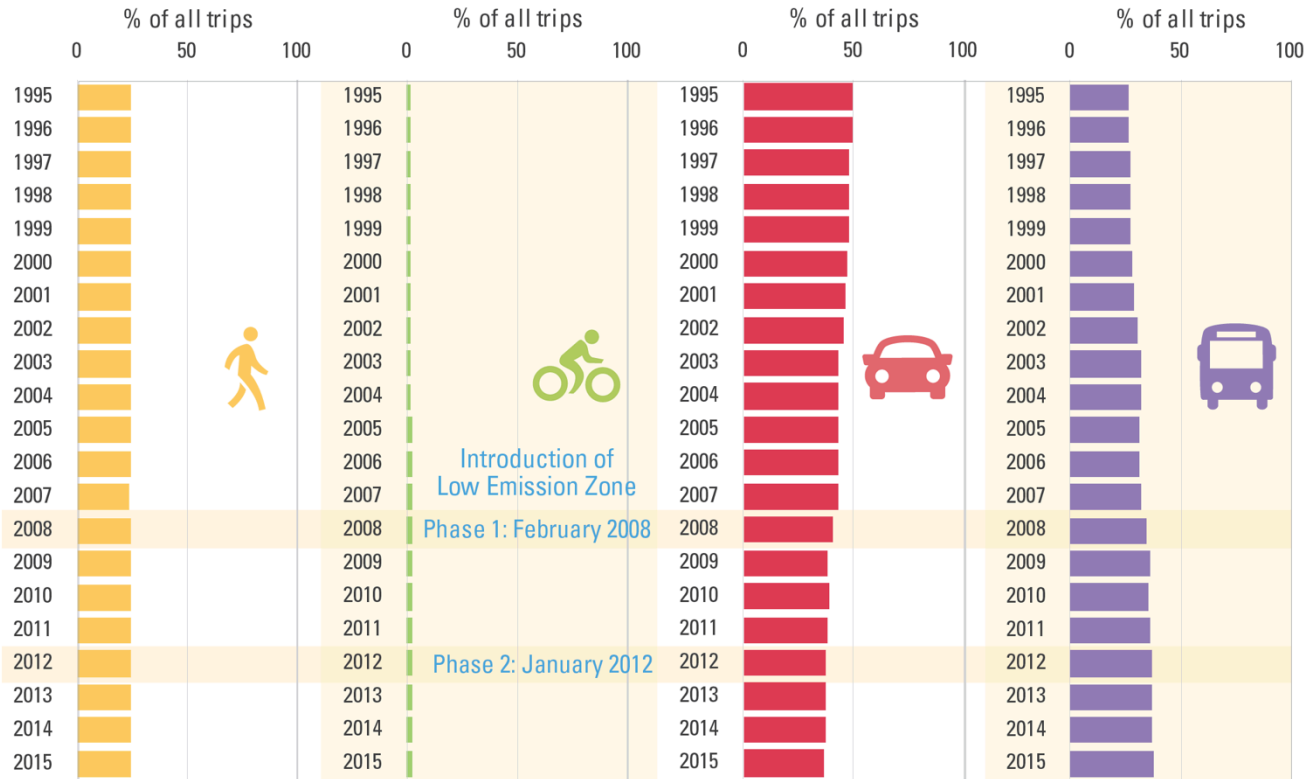
More cities embrace measures on transport demand management

Overview of Major TDM Measures by region



London induced a shift to sustainable transport forms

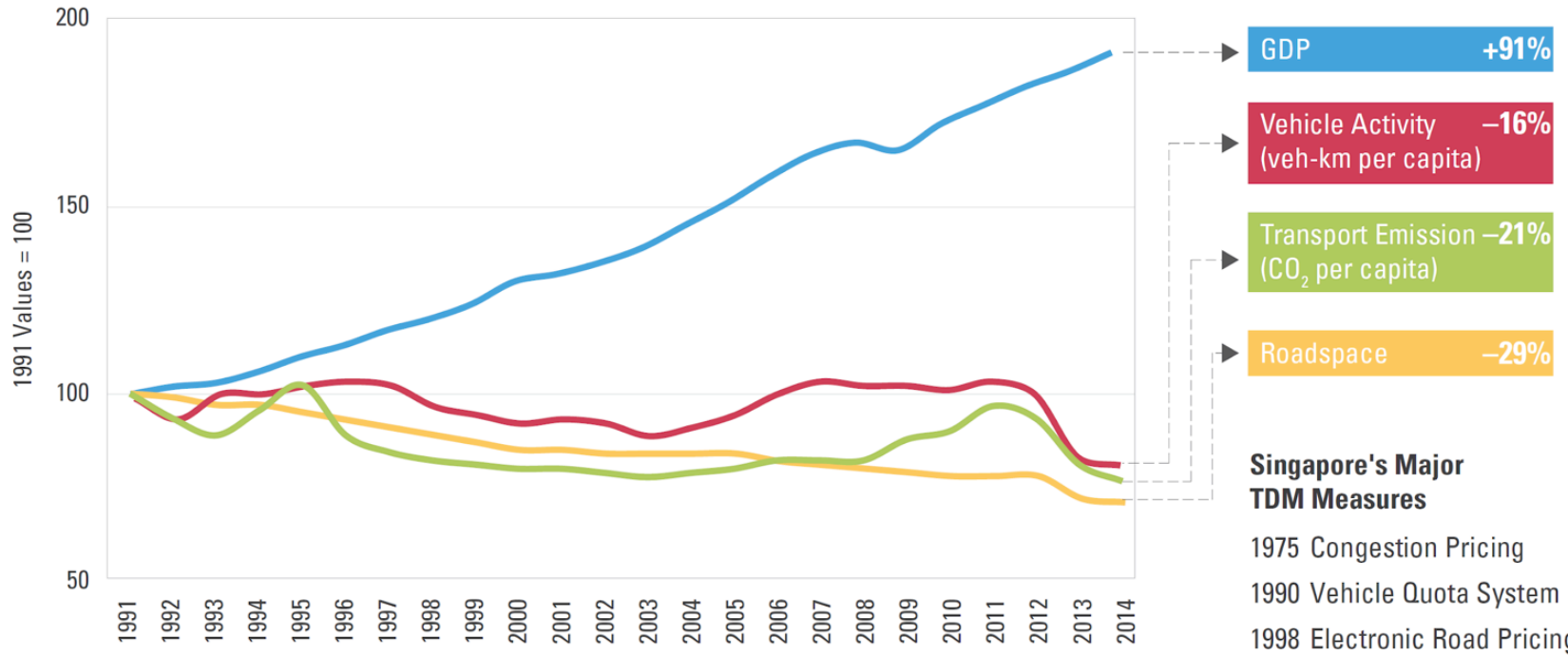
London Trip Mode Share





Singapore decoupled economic growth from transport emissions

Singapore Economic vs. Transport Growth (1991 to 2014)



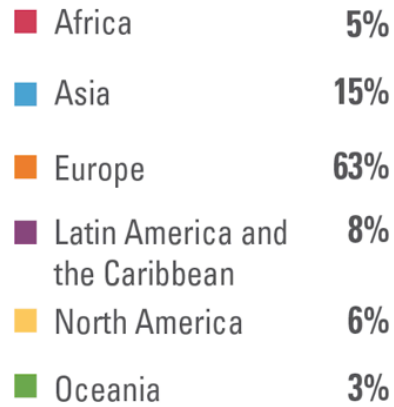


EIRP

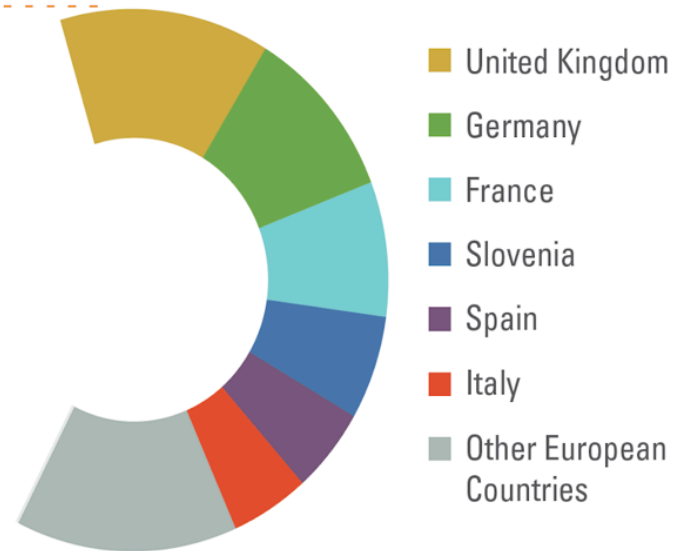


Sustainable urban mobility plans (SUMPs) are comprehensive planning tools

SUMPs by region and European countries

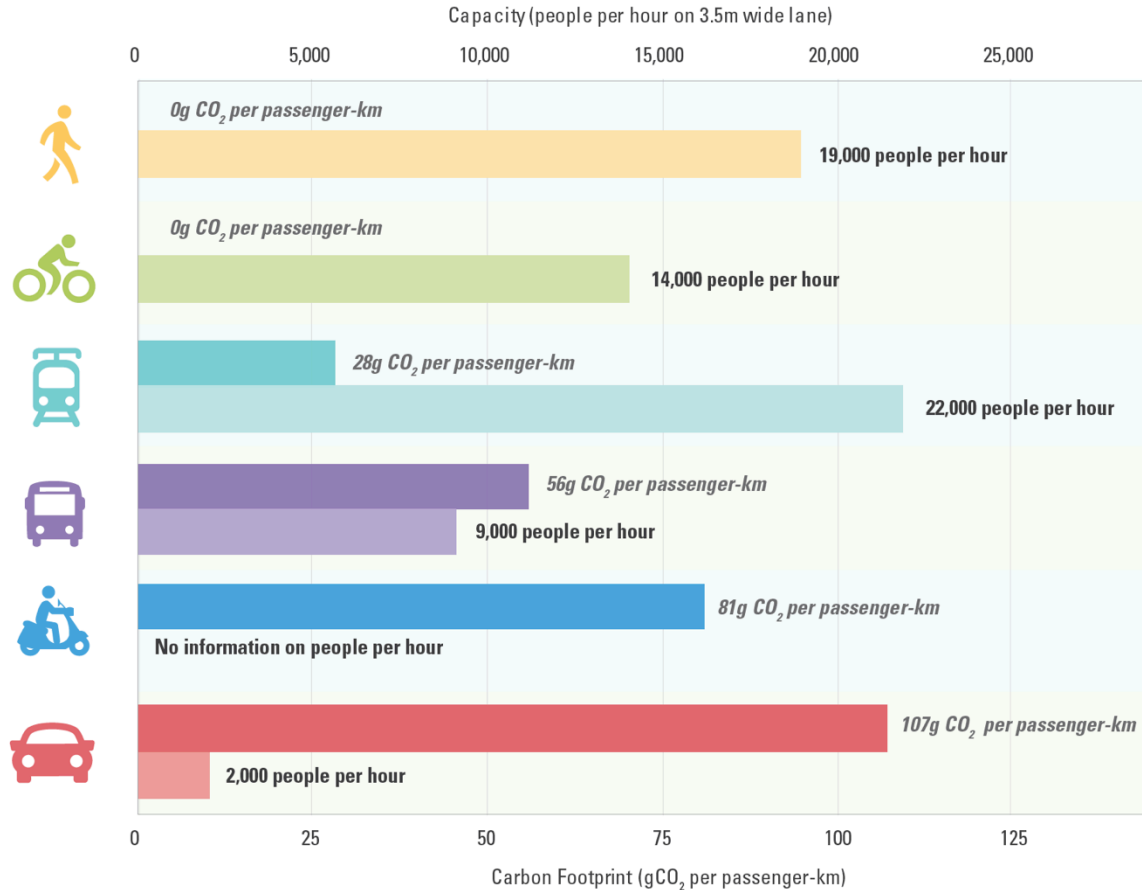


SUMPs in Europe



Transit, walking and cycling are more efficient

Comparison of Cycling and Walking to Other Modes



space required to transport 60 people



car



bus

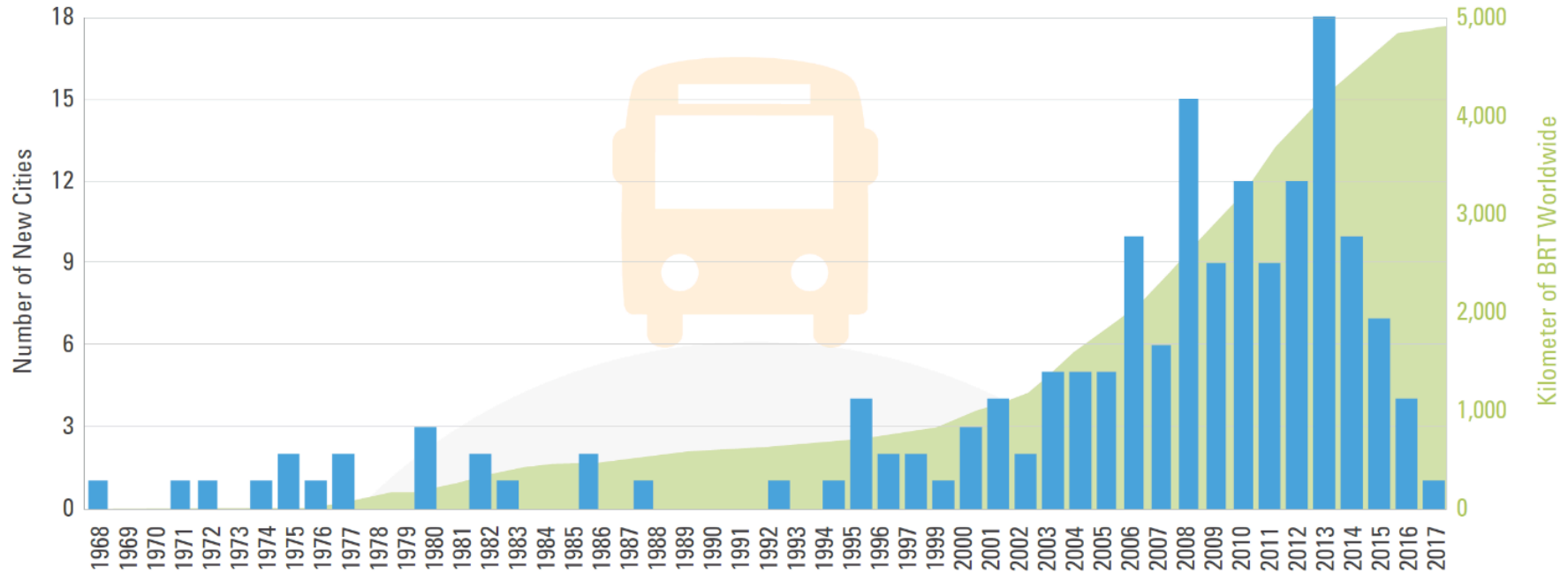


bicycle



Bus Rapid Transit slowing down after strong growth in past decade

Development of Bus Rapid Transit (1968 to 2017)





Mwaka
JIMLA
NA



500
미수술 식후 통증 관리 고도일병원
NYUWOL
서울고도일병원

46787

부암동방면

남포동
영등포동

이은과거
Red Star
주진재
이우영

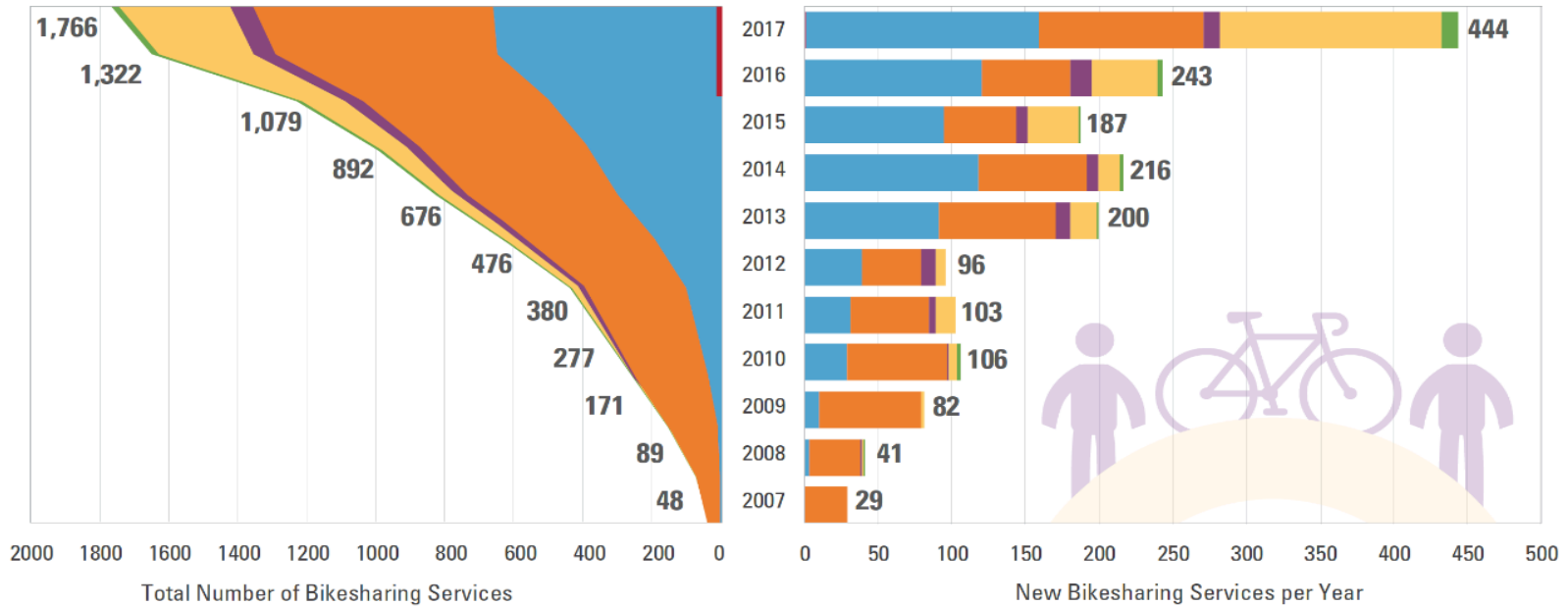
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KDB

Wash & Cash

Bikesharing growth accelerated through dockless services

Growth of Bikesharing (2007 to 2017)



■ Africa
 ■ Asia
 ■ Europe
 ■ Latin America and the Caribbean
 ■ North America
 ■ Oceania



Transport Decarbonisation Alliance

A unique collaboration between **Countries, Cities/Regions** and **Companies** to accelerate the worldwide transformation of the transport sector towards a net-zero emission mobility system before 2050.



Join us!

Transport and Climate Change 2018

Global Status Report

Download the report: slocat.net/tcc-gsr

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Partnership on Sustainable, Low
Carbon Transport



**TRANSPORT AND
CLIMATE CHANGE 2018**
GLOBAL STATUS REPORT



Thank You!