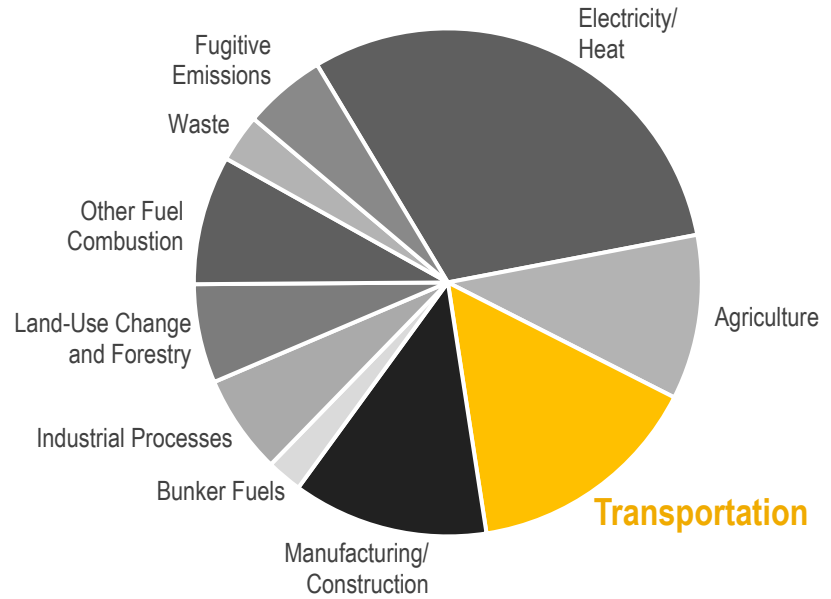


# Forum for Decarbonizing Transport

Amit Bhatt, Executive Director, WRI India

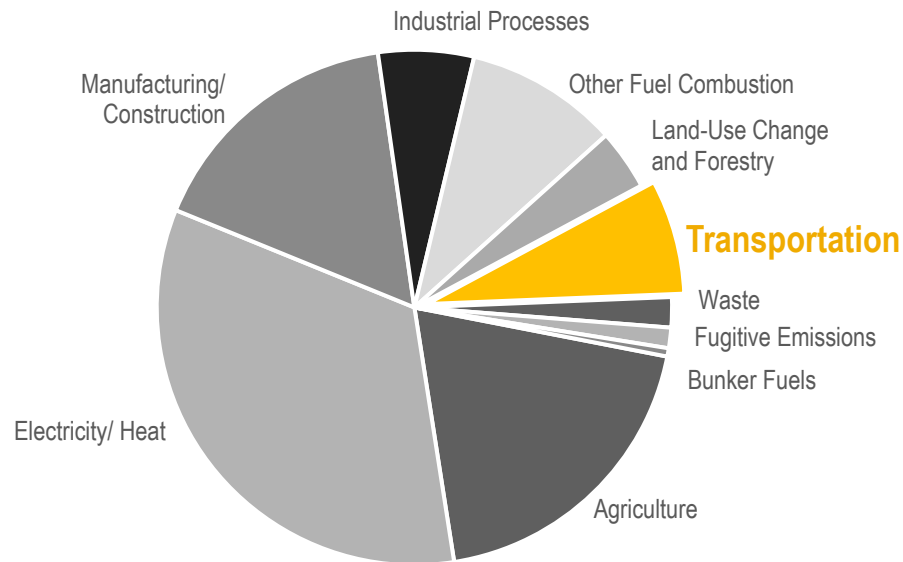
*12 October, 2021*



**Transport accounts for 15% of global emissions**

Source: WRI Climate Watch, India 2<sup>nd</sup> Biennial Update Report



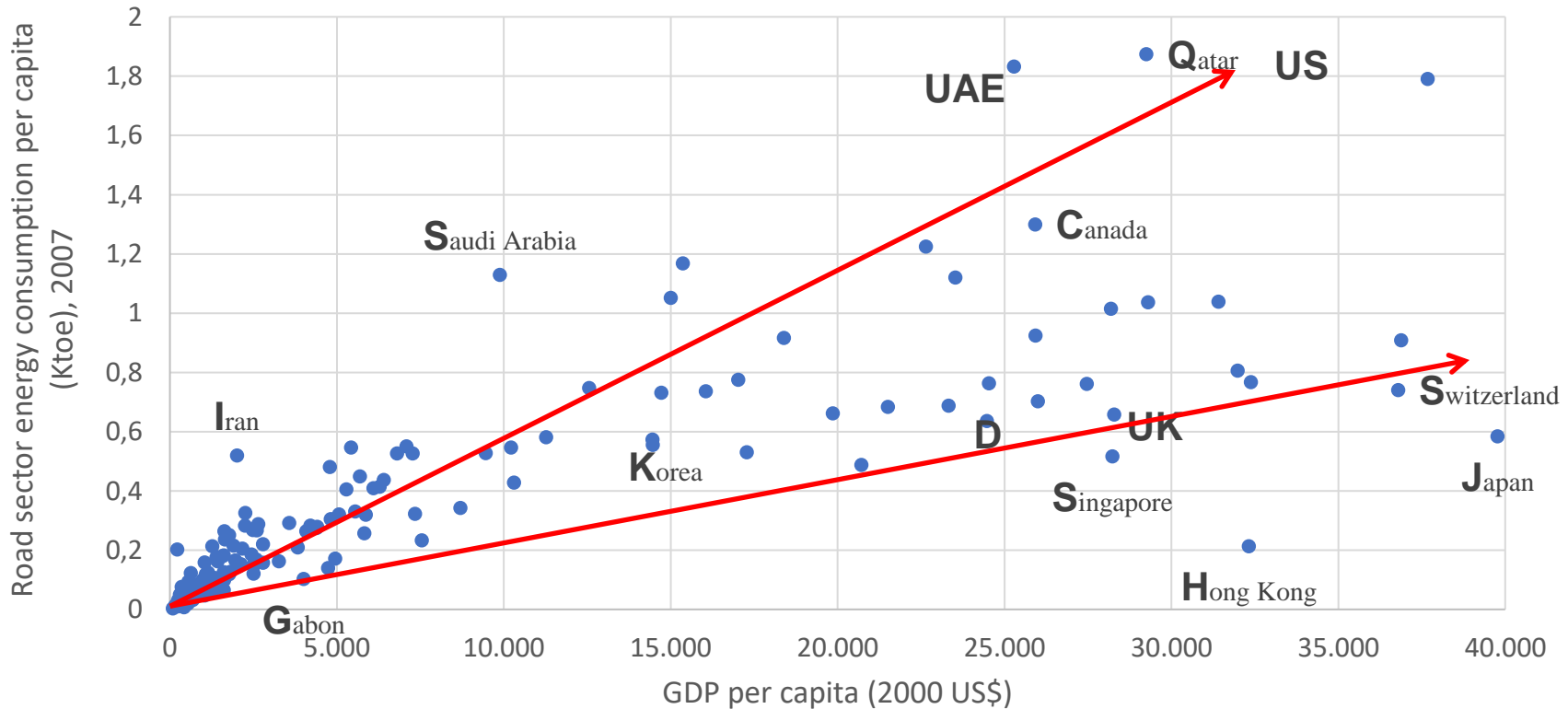


**Only 7.5% of emissions in India**

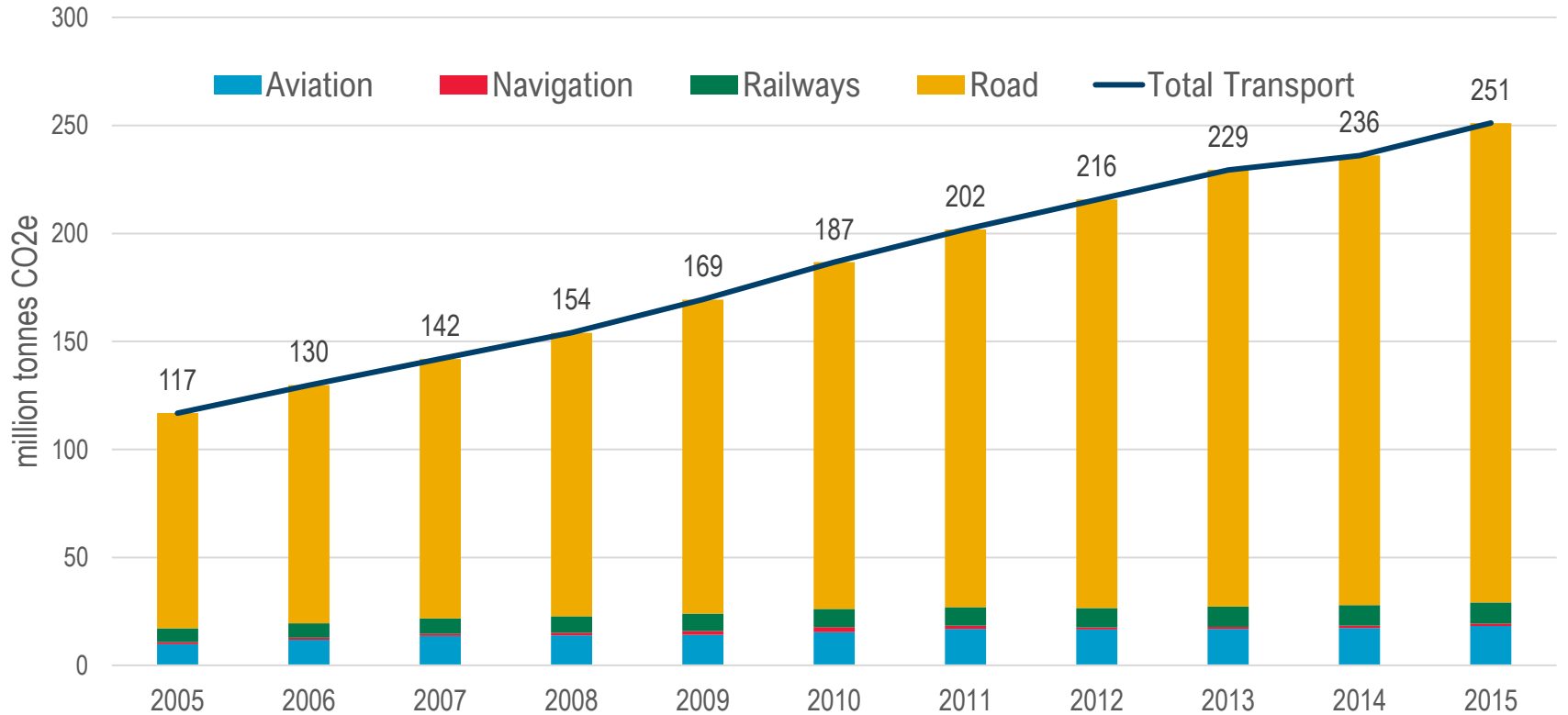
**But expected to grow faster than other sectors' emissions**

Source: WRI Climate Watch, India 2<sup>nd</sup> Biennial Update Report

# As national income grows, transport emissions become more important, but there are alternative models



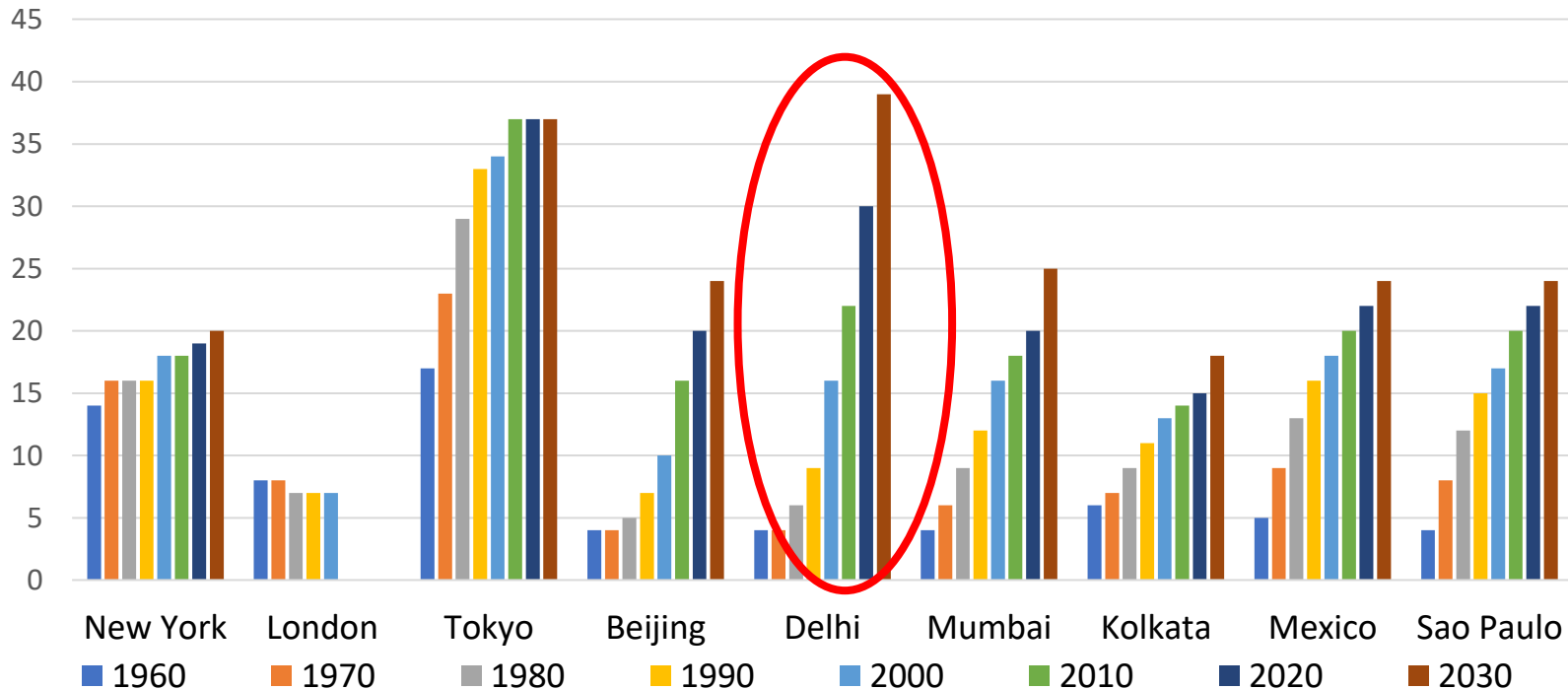
# 90% of India's transport emissions are from road vehicles



# **Emissions from urban transport growing rapidly**

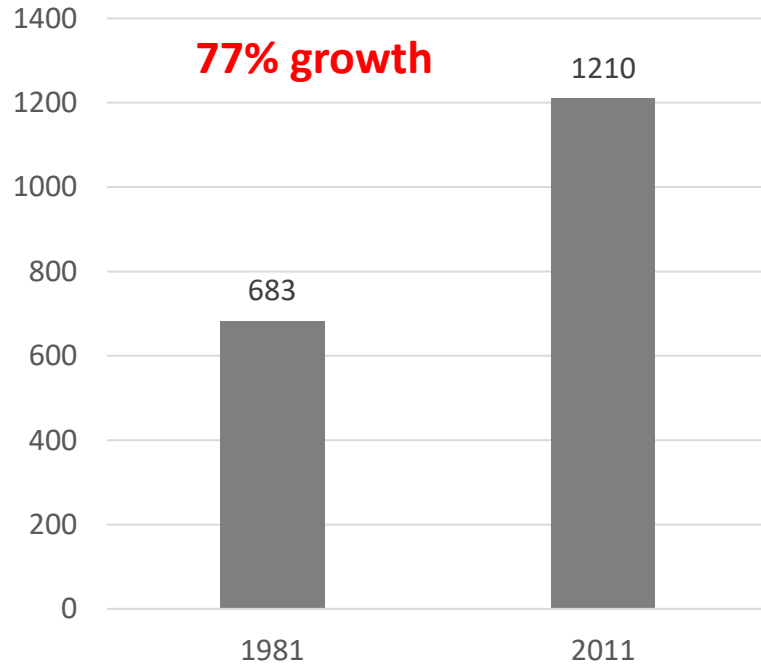
**4 – 6% growth per year in some large  
cities – World Bank study**

# The world's biggest cities will be in India

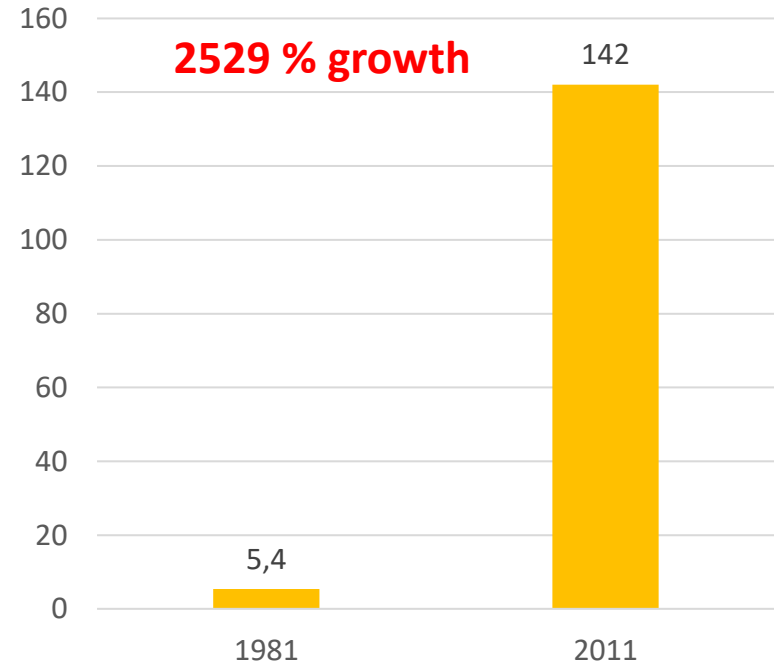


# Galloping motor vehicle growth

Population (millions)

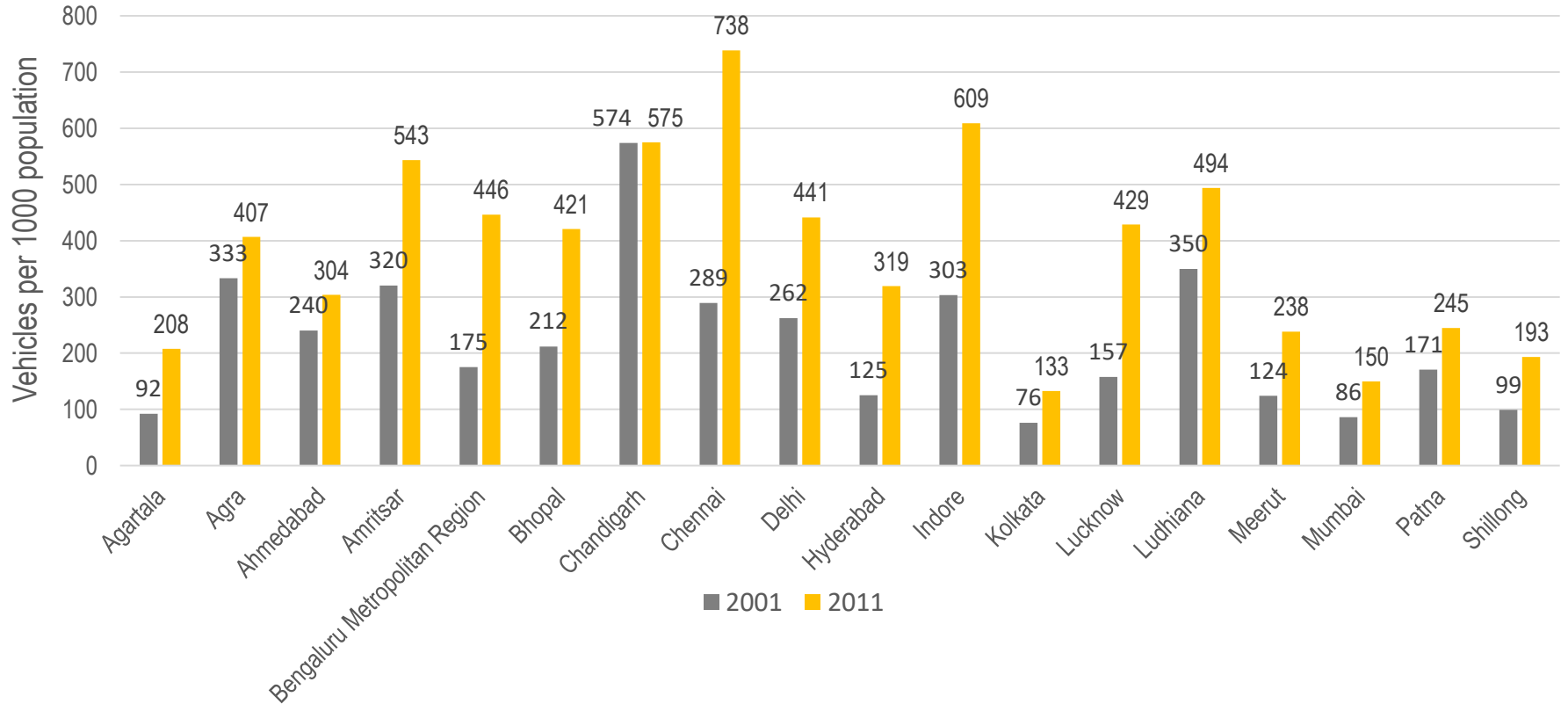


Motor vehicles (millions)



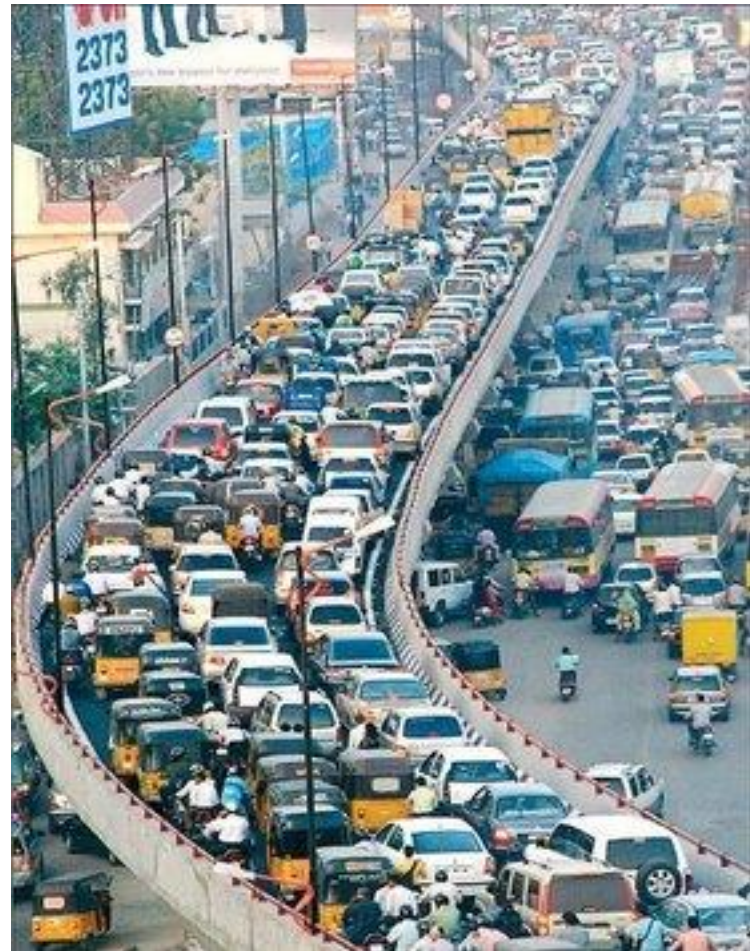
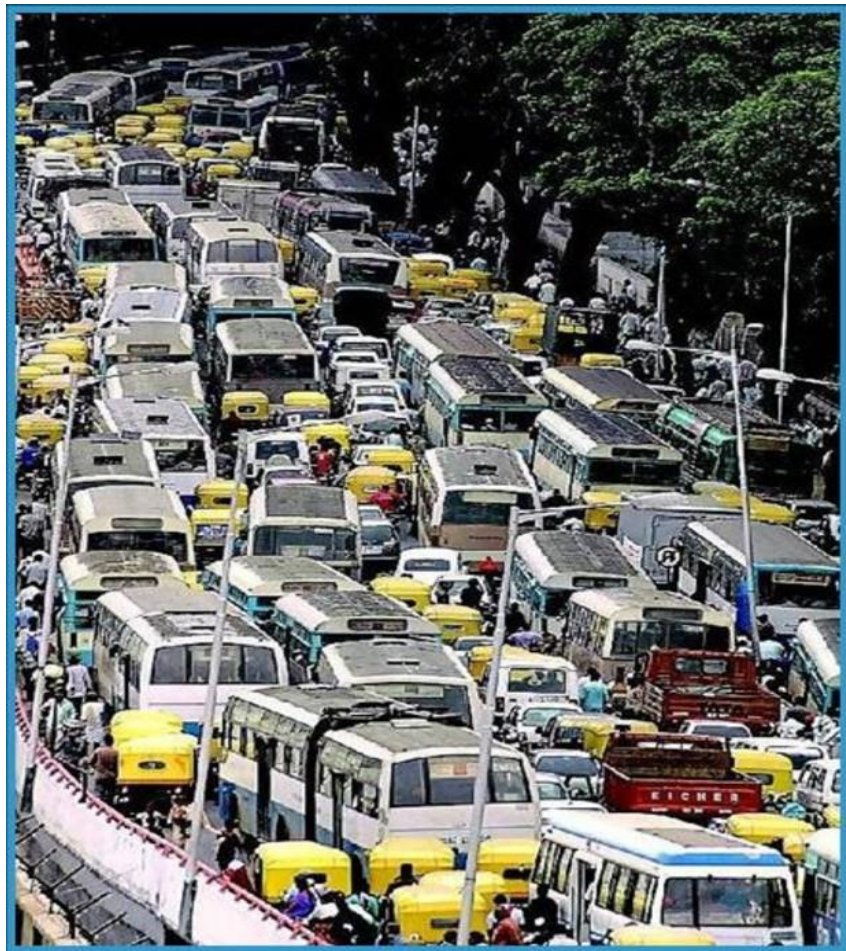


# Vehicle ownership increasing in all cities



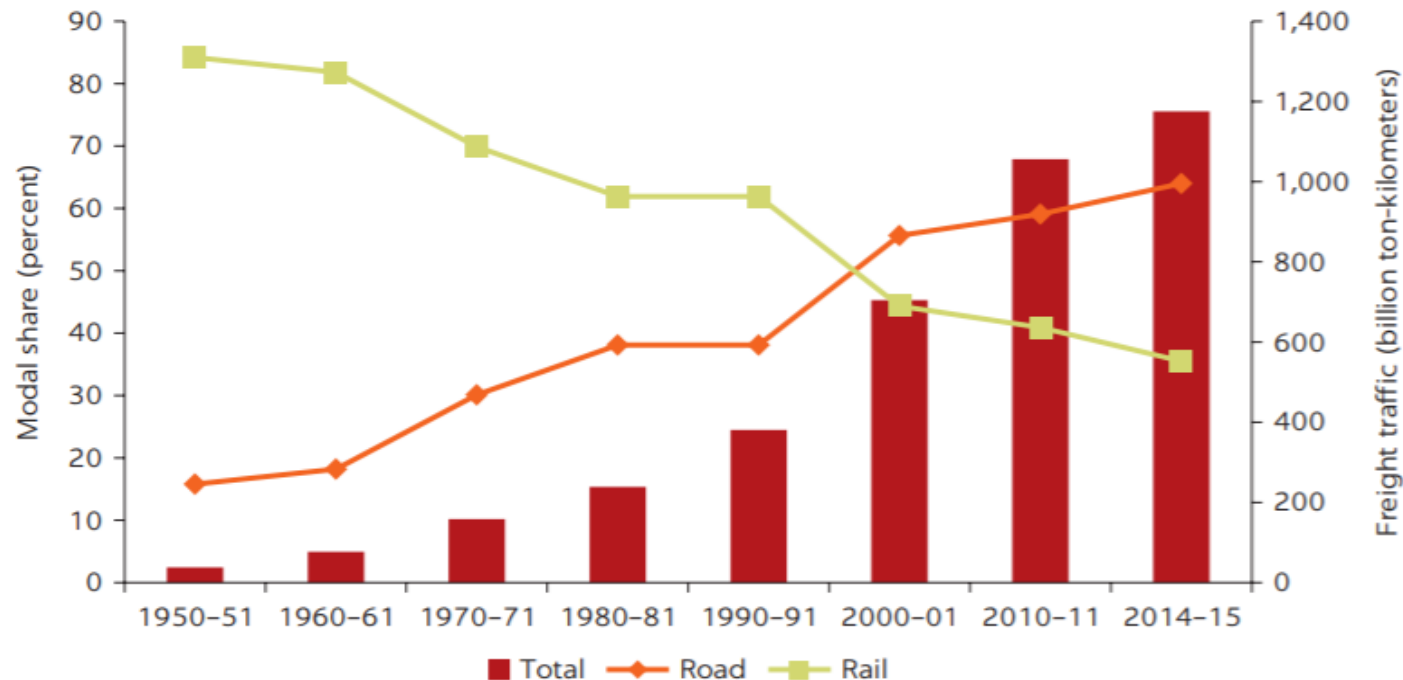




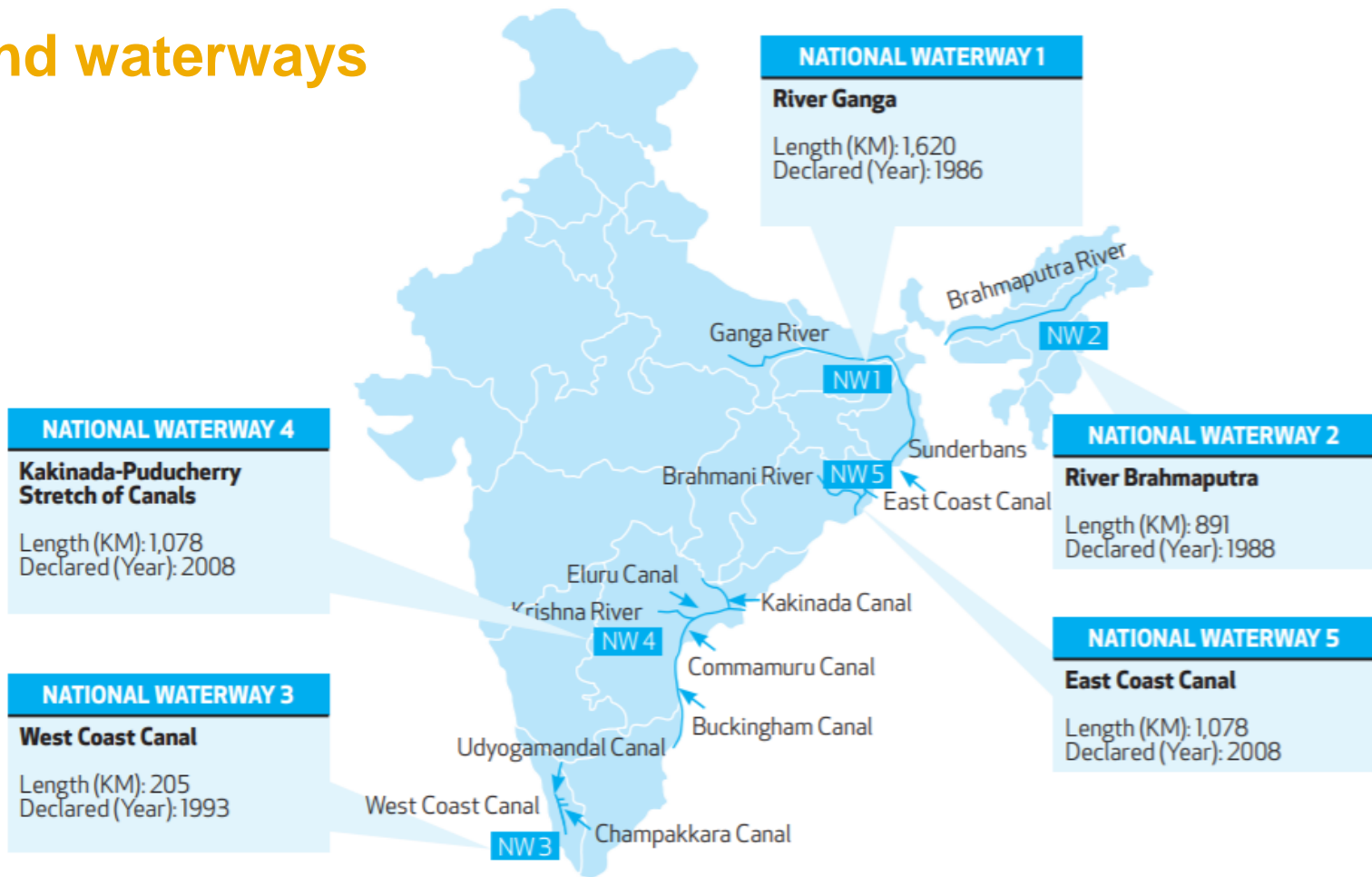


# Freight traffic in India is growing but modal share of rail has declined

Freight traffic and rail and road modal shares in India, 1950-2015

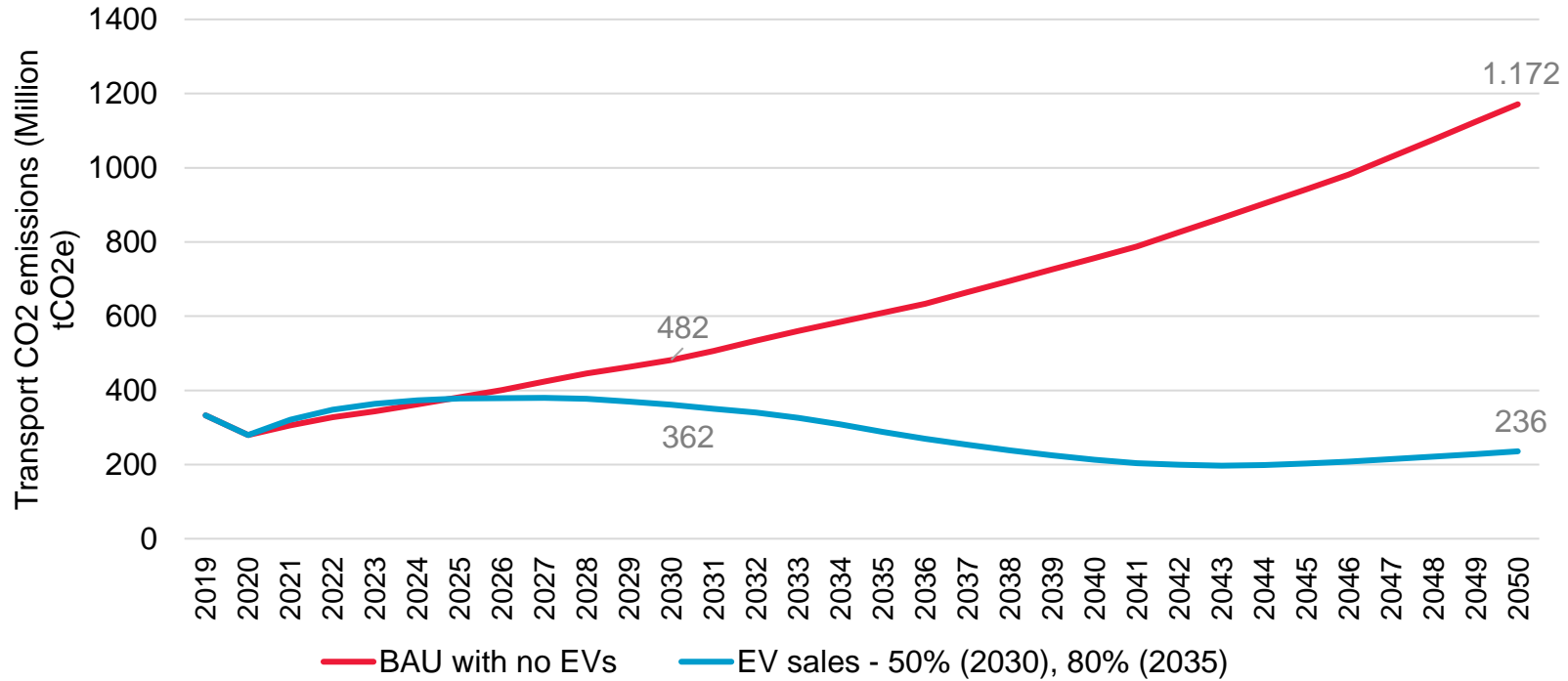


# Inland waterways

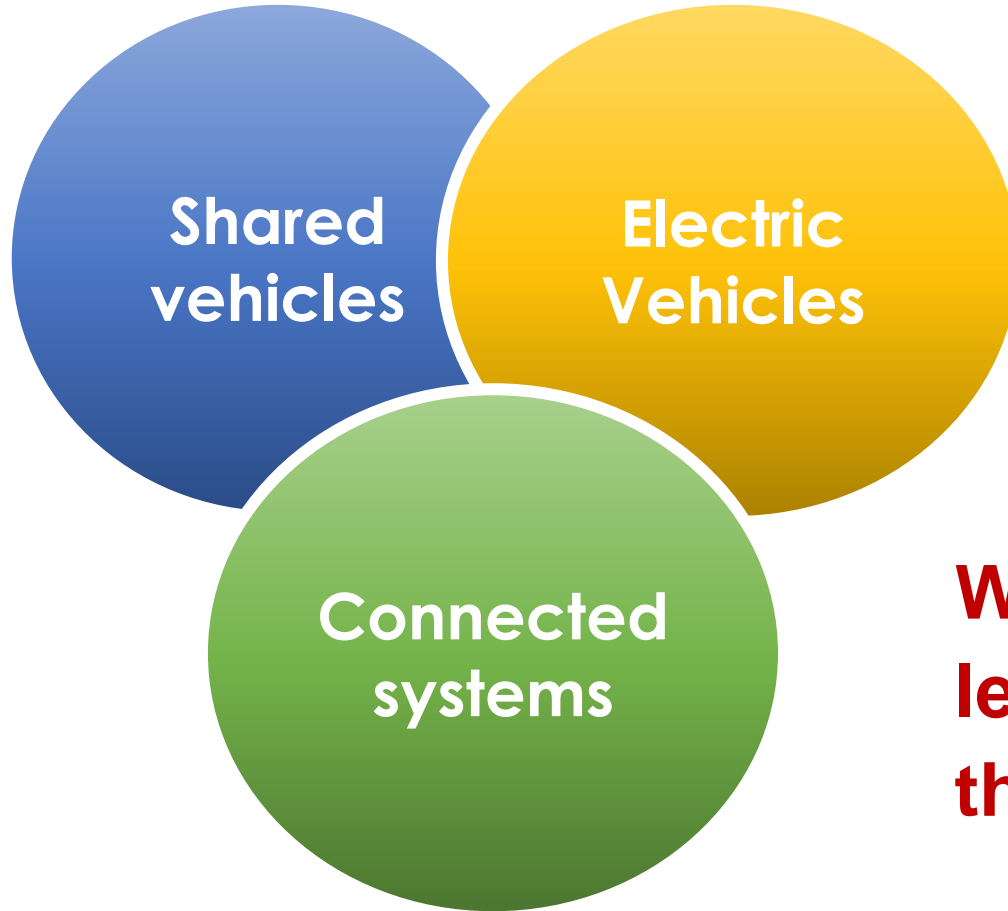




# EV sales mandate can reduce cumulative CO2 emissions from the transport sector by 55% in the next 30 years



# Future of Motorized Mobility



**We have to  
leverage  
these**

# Mobility as a Service is a rapidly emerging concept

- Allows people to book a trip, using multiple modes, through a single App
- This can obviate the need for people own a personal motor vehicle

## 4 – pronged strategy



### Clean Fuels

Electric vehicles  
Hydrogen  
vehicles



### Modal Shift

Increasing the share  
of cleaner modes –  
rail, waterways,  
shipping, walking,  
cycling



### Integrate

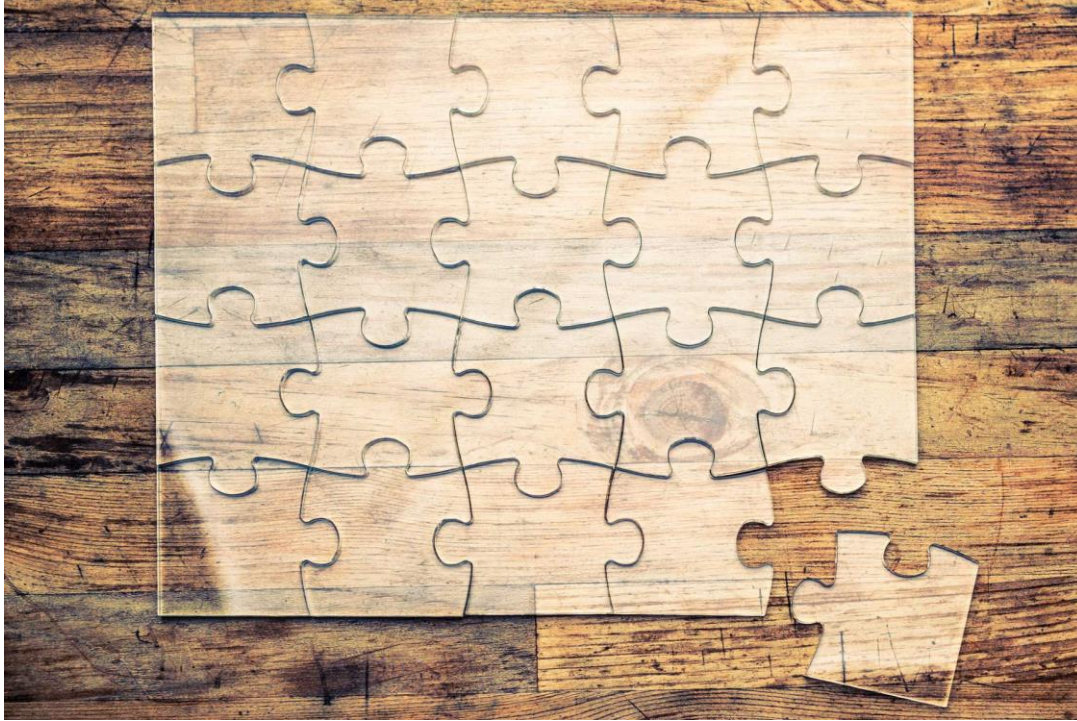
Interconnected modes  
– not standalone



### Optimize

An empty seat in a  
moving vehicle is a  
wasted resource -  
Reduce redundancy

# Multi-Stakeholder Engagement



All this can happen only when multiple stakeholders come together towards a common goal



# Forum for Decarbonizing Transport



The Forum for Decarbonizing Transport is a platform to bring diverse stakeholders together to advance this agenda



# Agenda

