



Redefining Public Transport

Urban Mobility India 2018

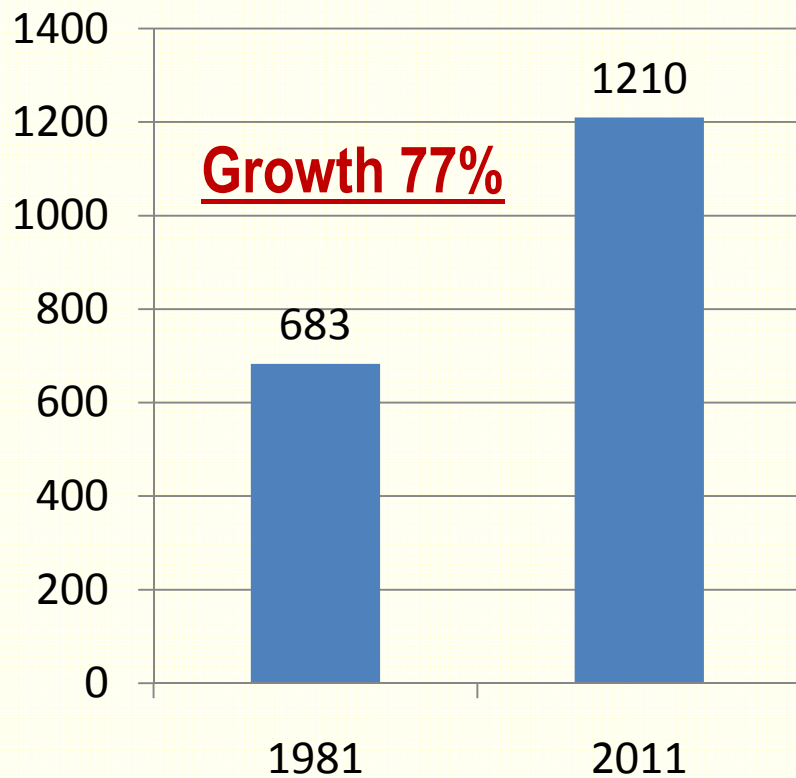
2nd November 2018



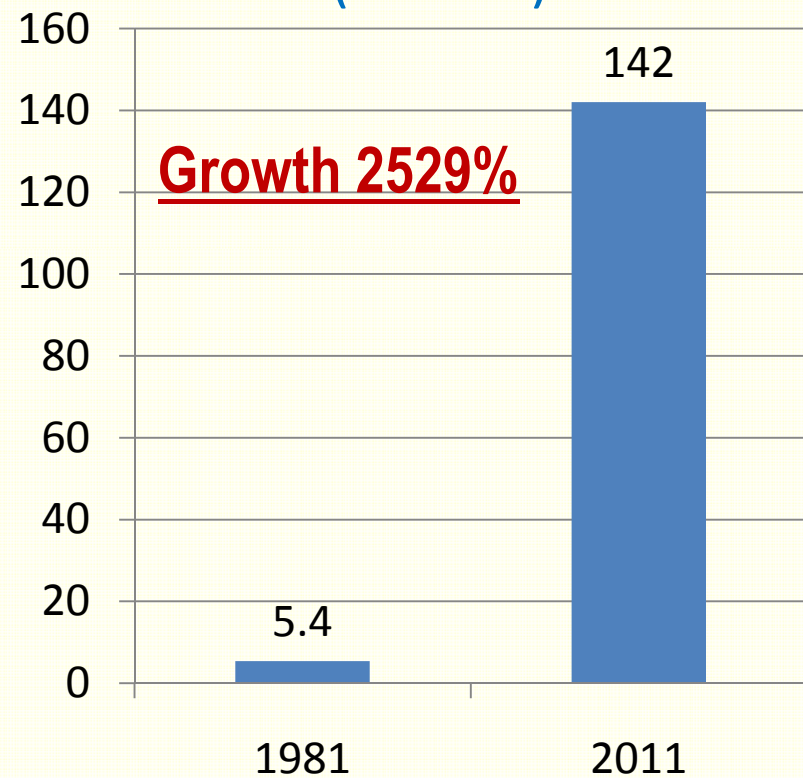
The problem

Rapid motorization

- Population (million)



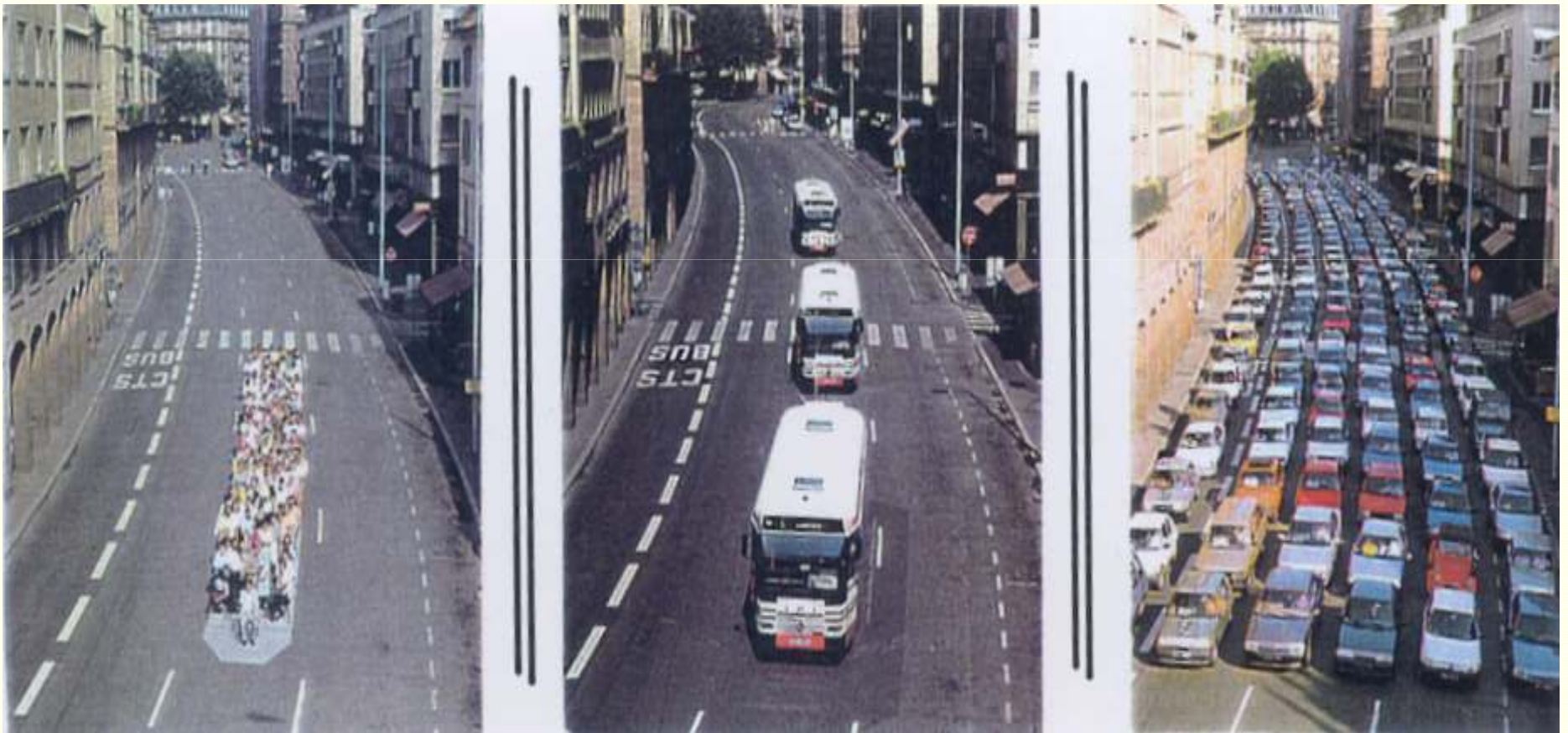
- Number of motor vehicles (Million)



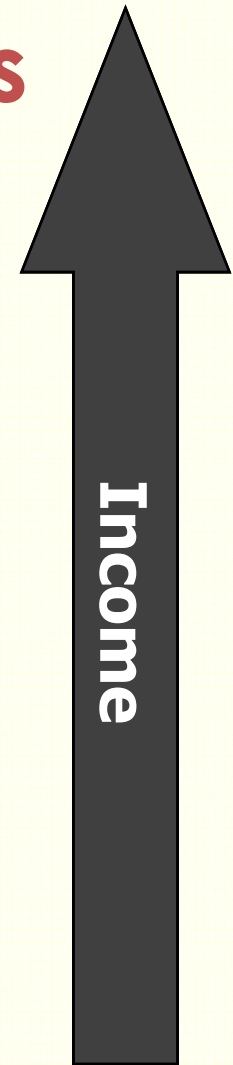
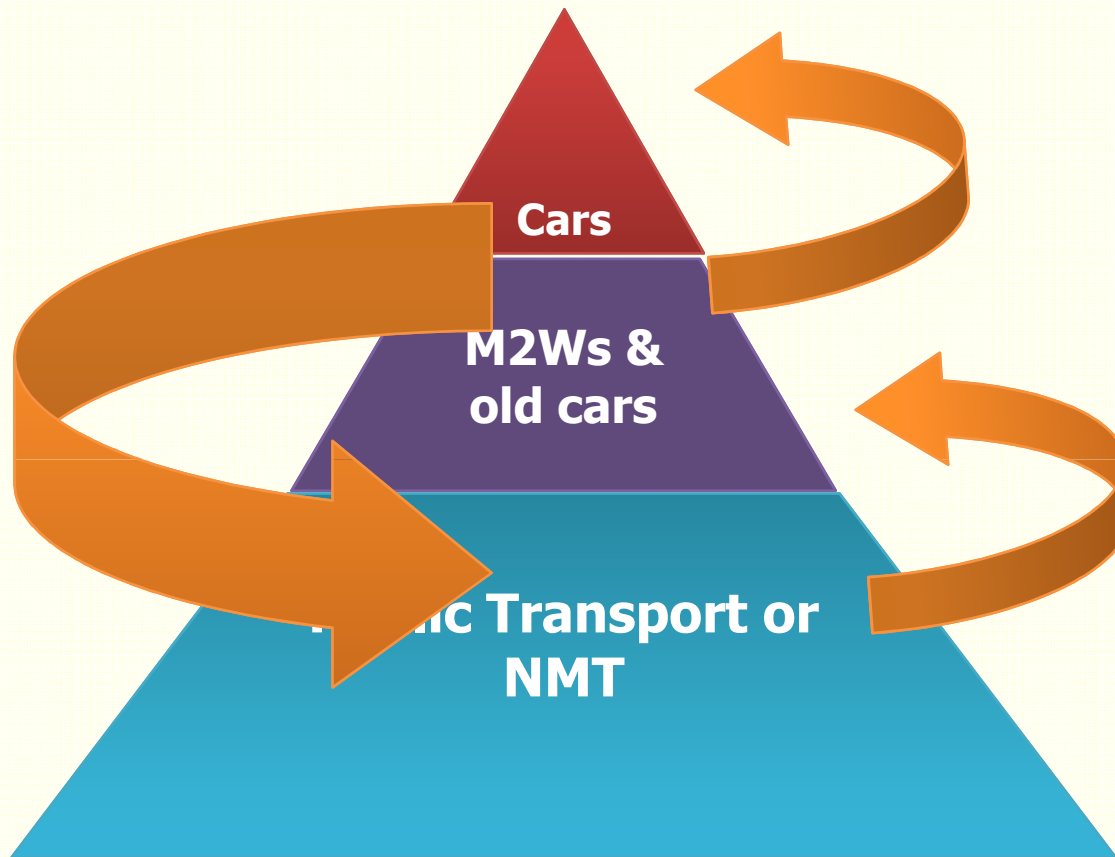


The Result of Rapid Motorization

The solution



Thrust of the needed efforts



Our Public
Transport has been
designed for those
who can not
afford a personal
motor vehicle

Yet, today, we
need Public
Transport to be
attractive even for
those who can
afford personal
motor vehicles

**HENCE, PUBLIC TRANSPORT HAS TO BE “RE-
DESIGNED”**

What do personal motor vehicle users want

- Variety of services to meet different requirements
- Available on demand
- Convenience of door to door service
- Reliable
- Free from the hassles of jostling with crowds
- Ease of boarding, alighting and transfer
- Quick, Safe, Clean and Comfortable

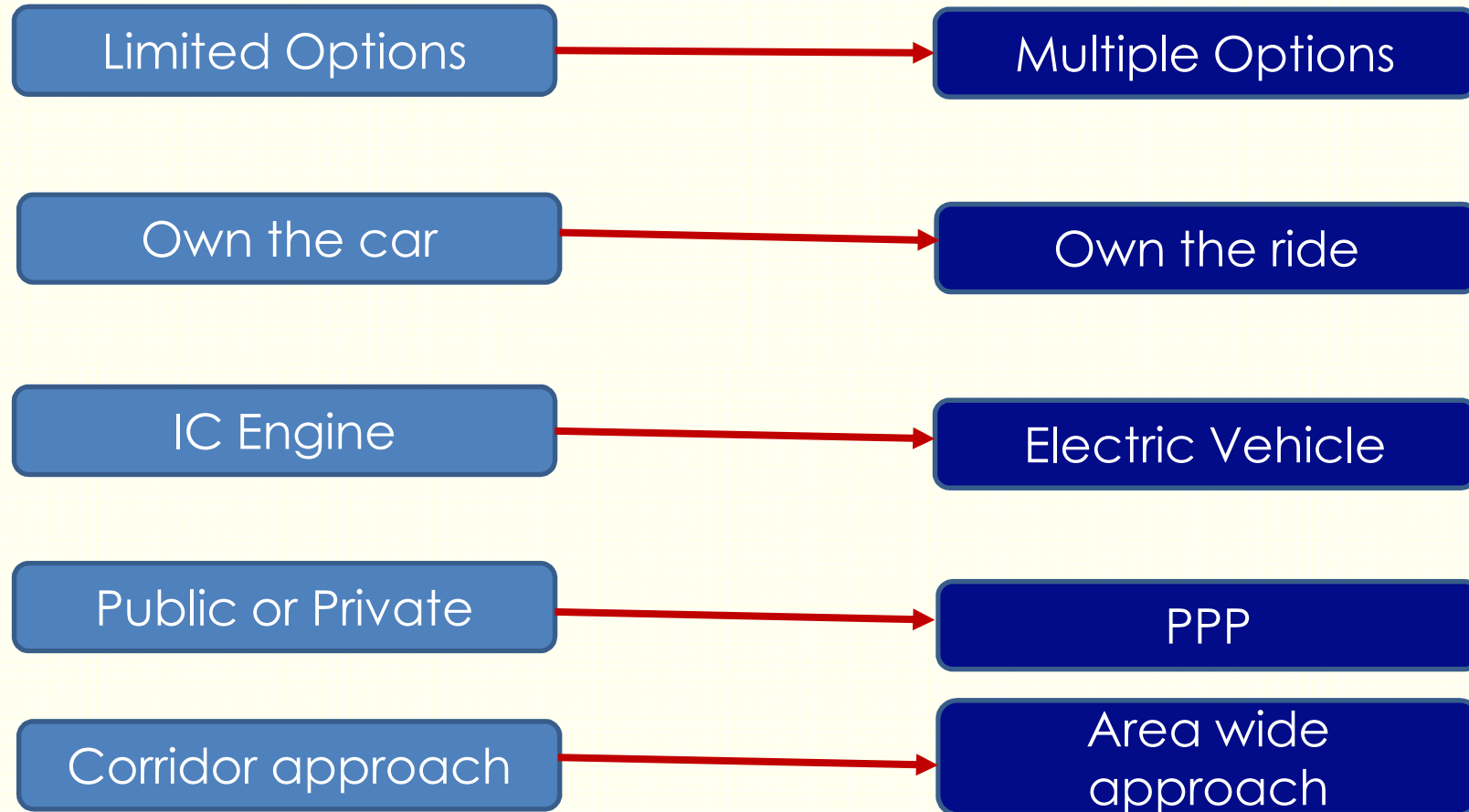
How can these needs be met

- Integrated system with easy transfers
- Clean and attractive vehicles
- Adequate capacity
- Widening the definition of public transport - go beyond fixed route and fixed schedule services
- Offer a variety of services to meet different needs
- Facilitate availability on demand
- Innovative financing to balance quality with affordability
- **Leverage new paradigms that are emerging**

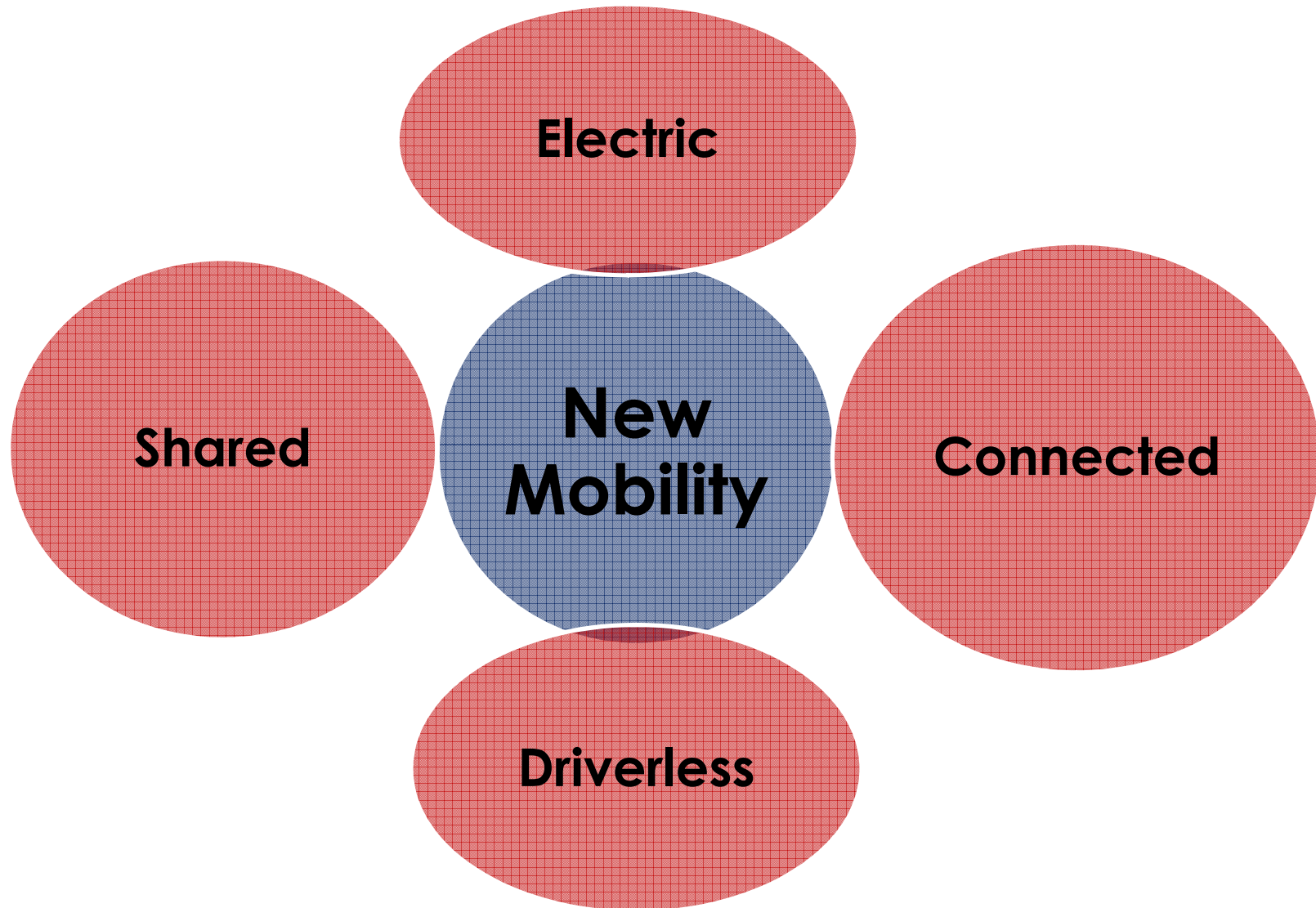
What are the barriers to doing this

- Balancing quality with affordability
- Fragmented governance and lack of institutions for multi-modal integration
- Inadequate instruments for dedicated taxes – overdependence on public subsidy from general taxes
- Regulatory restrictions – stage and contract carriages only
- Lack of open data systems / reluctance to share data
- Urge to demonstrate higher income status through ownership of a personal motor vehicle

Emerging trends



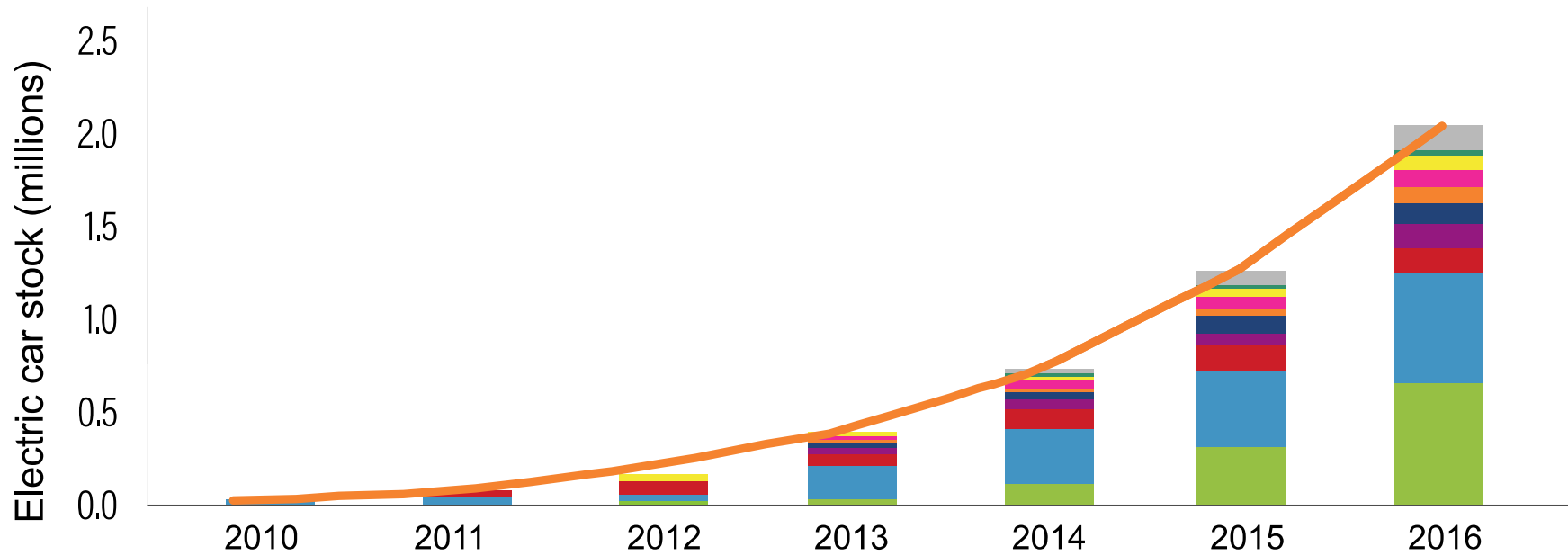
CONVERGENCE OF FOUR GLOBAL TRENDS



Phenomenal growth of the sharing economy

- Car sharing systems in several countries around the world
- Uber has spread to over 65 countries and 500 cities globally – growing at almost one city every day
- Many countries have local car sharing systems:
 - Ola in India
 - Didi in China
 - Lyft, ZipCar and SmartCar in the US
 - Others

Global stock of Electric Vehicles



Way forward

- Establish a lead institution to oversee and coordinate transport in every city / region – a strong UMTA
- Develop comprehensive land use and mobility plans for every city
- Develop high quality integrated plans for public transport
- Modify MV Act to encourage:
 - Semi-fixed route and semi-fixed schedule, on demand services
 - Technology led premium services that offer high quality and don't seek subsidies
- Actively promote electric mobility
- Establish new financing mechanisms to make all “beneficiaries” pay for public
- Open up data systems of all public transport operators to allow integration

Thank You