

# Shifting the Focus of Urban Vehicle Electrification for More Sustainable Cities

26 October 2023, EST Forum, Kuala Lumpur

**Joshua PATERNINA BLANCO, Policy Analyst**



# Shifting the Focus of EVs for More Sustainable Cities



**Shifting the Focus**  
Smaller Electric Vehicles  
for Sustainable Cities



Corporate Partnership Board  
Report



- 1. Shifting the focus in urban EVs**
- 2. Shifting the focus can deliver more sustainability**
- 3. Policies for shifting the focus**

# Shifting the Focus of EVs for More Sustainable Cities



**Shifting the Focus**  
Smaller Electric Vehicles  
for Sustainable Cities



Corporate Partnership Board  
Report



1. Shifting the focus in urban EVs
2. Shifting the focus can deliver more sustainability
3. Policies for shifting the focus

# Shifting the focus...of what?

## Shifting the focus...of EVs



# Global Battery Electric Car Fleet: 2020



~ 10 million

Shifting the focus...of EVs



# Global Battery Electric Vehicle Fleet: 2020



...etc

~ 300 million



~ 10 million

Shifting the focus...of EVs



# Global Battery Electric Vehicle Fleet: 2020

## Shifting the focus...of EVs



...etc

~ 300 million



~ 10 million



# Global Battery Electric Vehicle Fleet: 2020

Shifting the focus...of EVs



...etc

~ 300 million



~ 10 million



# Global Battery Electric Vehicle Fleet: 2020

## Shifting the focus...of EVs



...etc

~ 300 million



~ 10 million



# Global Battery Electric Vehicle Fleet: 2020

Shifting the focus...of EVs



...etc

~ 300 million



~ 10 million



# Global Battery Electric Vehicle Fleet: 2020

## Shifting the focus...of EVs



...etc

~ 300 million



~ 10 million



# Global Battery Electric Vehicle Fleet: 2020

Shifting the focus...of EVs



...etc

~ 300 million



~ 10 million



# Shifting the Focus of EVs for More Sustainable Cities



**Shifting the Focus**  
Smaller Electric Vehicles  
for Sustainable Cities

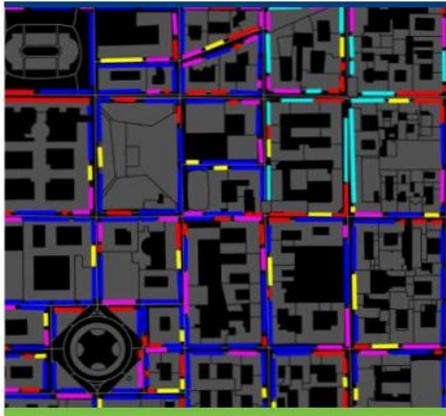


Corporate Partnership Board  
Report

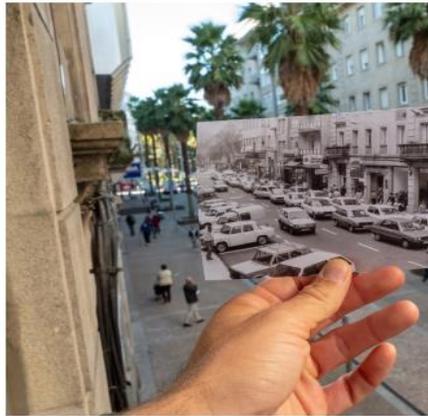


1. Shifting the focus in urban EVs
2. Shifting the focus can deliver more sustainability
3. Policies for shifting the focus

# Measuring the sustainability impacts of urban transport in mid-sized EU cities



**The Shared-Use City:  
Managing the Curb**



**Streets That Fit**  
Re-allocating Space for Better Cities



**The Freight Space Race**  
Curbing the Impact of Freight Deliveries in Cities



**Shifting the Focus**  
Smaller Electric Vehicles for Sustainable Cities

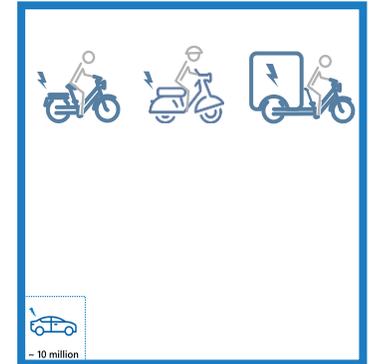
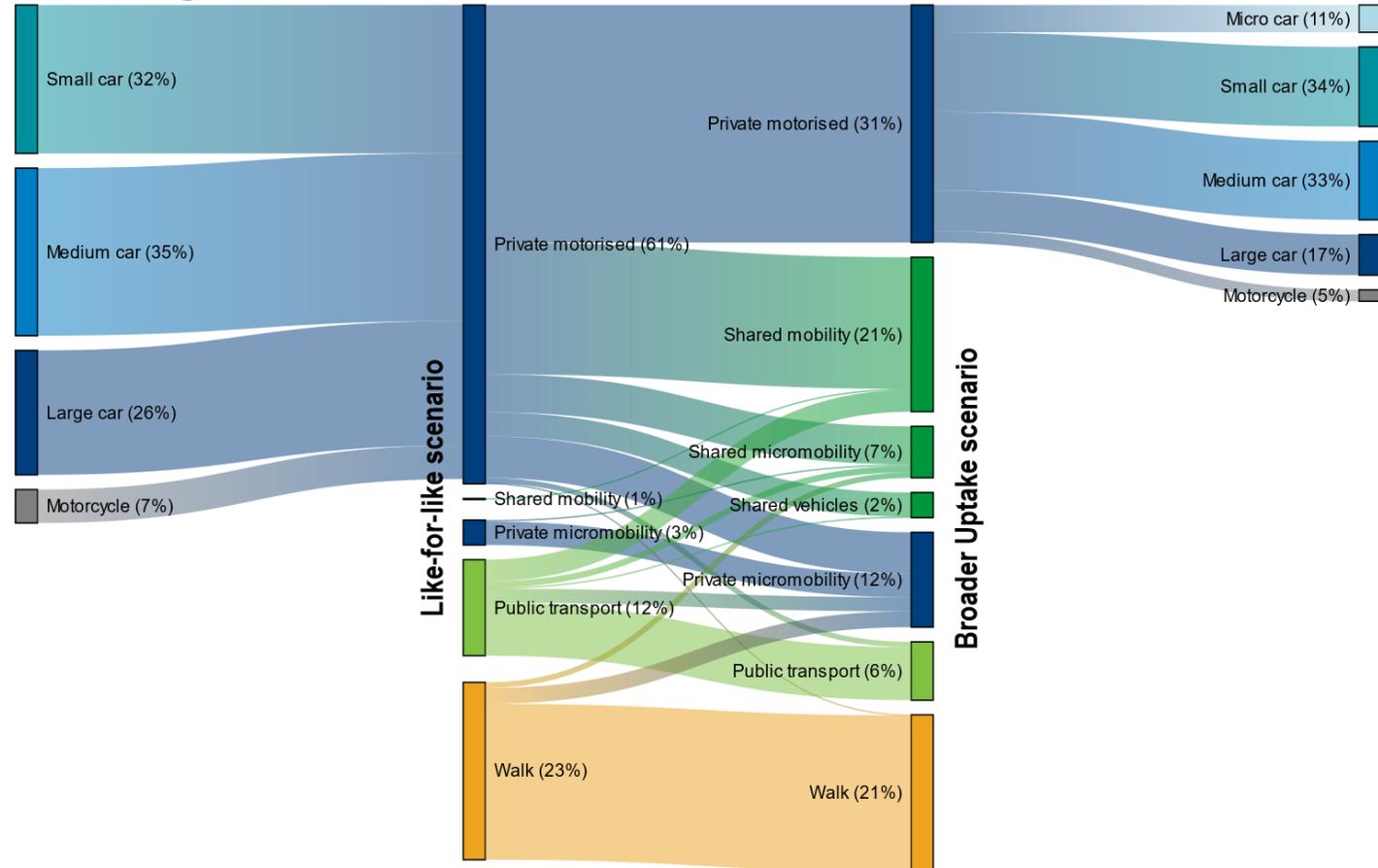


Corporate Partnership Board Report



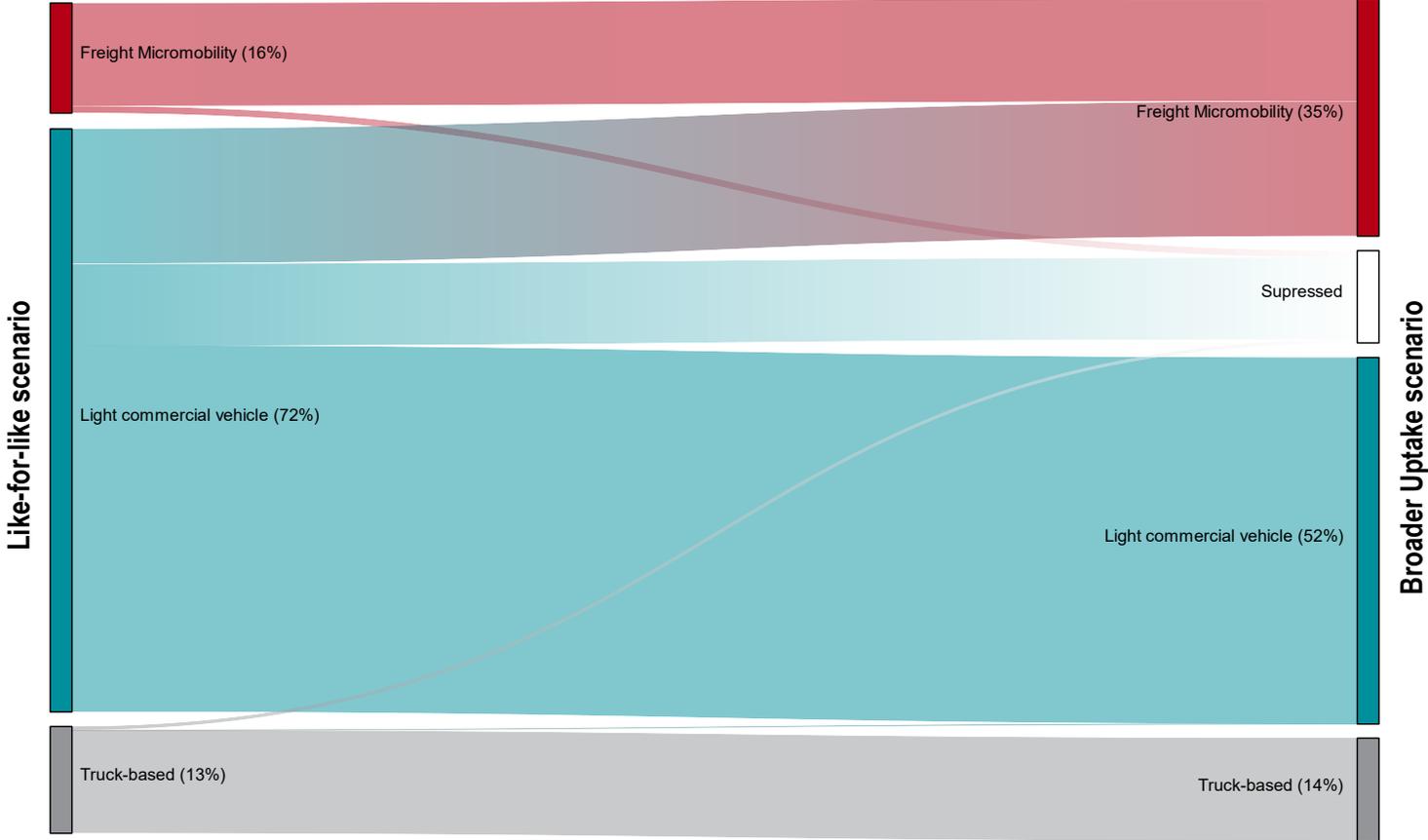
# Fully electric futures: Like-for-like vs. Broader Uptake

## Passenger

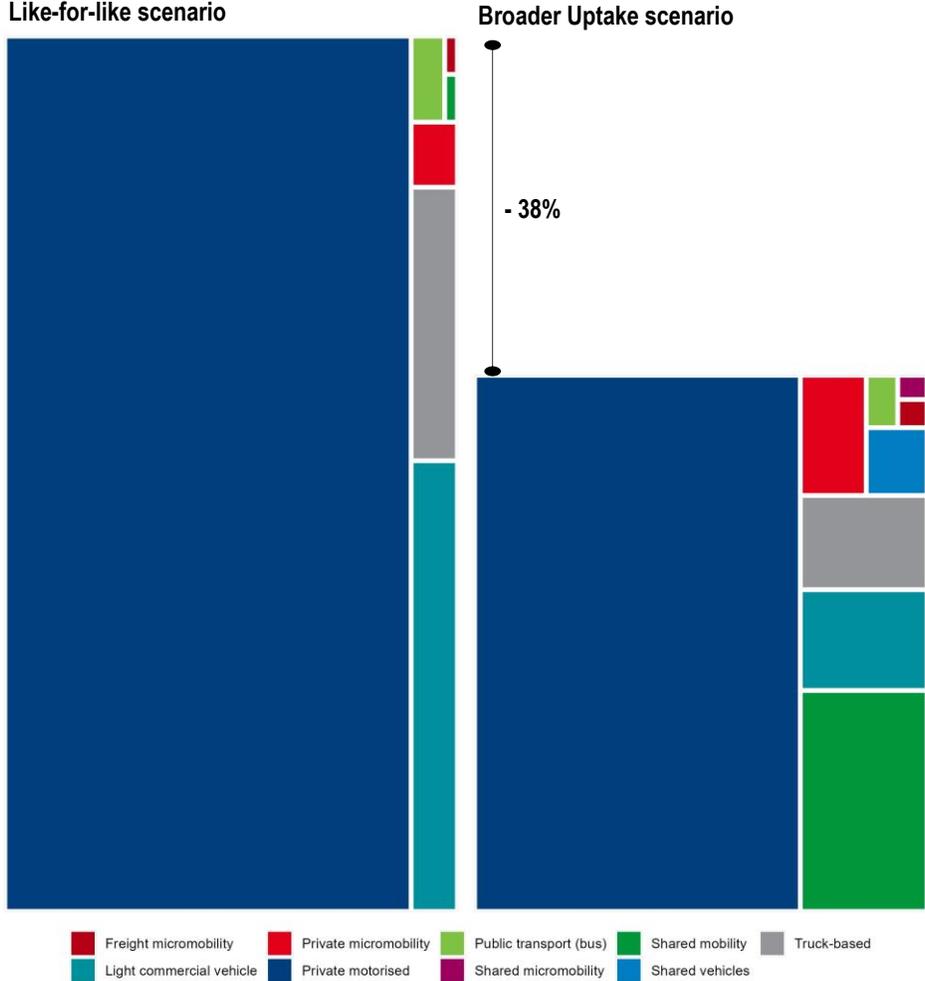


# Fully electric futures: Like-for-like vs. Broader Uptake

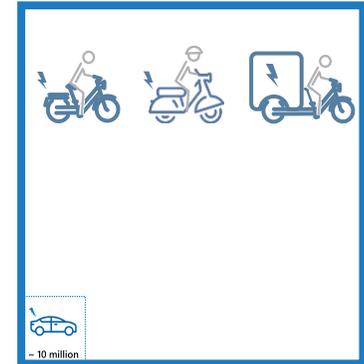
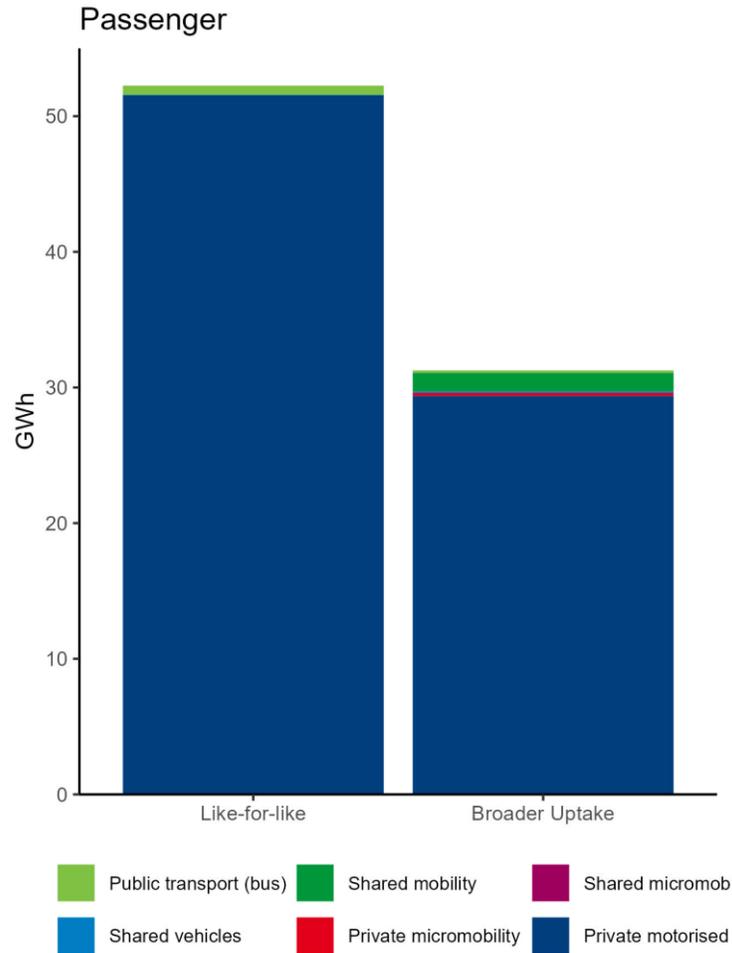
## Freight



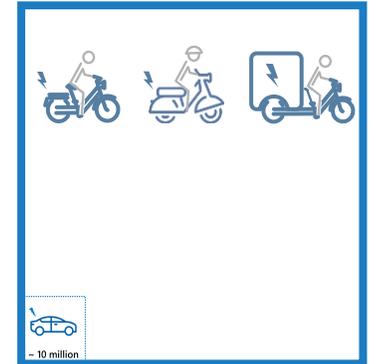
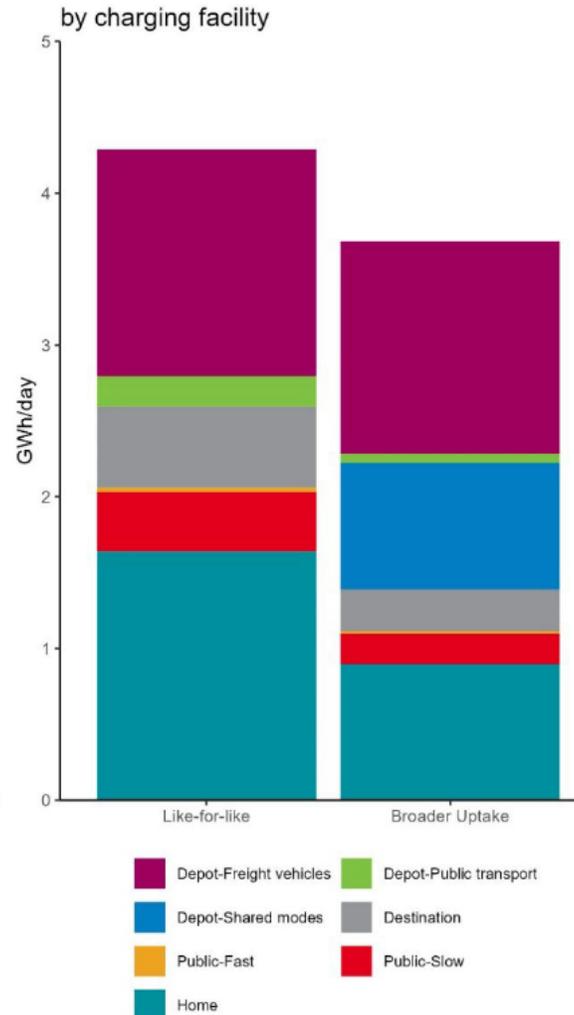
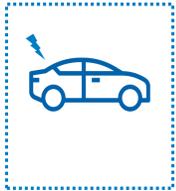
# Broader uptake takes up less street space



# It also reduces battery capacity needs



# And electricity and charging points needs



# Shifting the Focus of EVs for More Sustainable Cities



**Shifting the Focus**  
Smaller Electric Vehicles  
for Sustainable Cities



Corporate Partnership Board  
Report



1. Shifting the focus in urban EVs
2. Shifting the focus can deliver more sustainability
3. Policies for shifting the focus

# Policies for shifting the focus

**Policies for shifting  
the focus**

**Facilitate the uptake  
of alternative and  
smaller EVs**

**Policies for shifting  
the focus**

**Facilitate the uptake  
of alternative and  
smaller EVs**

**Support widespread  
electric shared  
mobility**

**Policies for shifting  
the focus**

**Facilitate the uptake  
of alternative and  
smaller EVs**

**Support widespread  
electric shared  
mobility**

**Provide on- and off-  
street charging for  
passenger and  
freight**



## Contact the project team

**Joshua PATERNINA BLANCO**  
Project Manager

[Joshua.paterninablanco@itf-oecd.org](mailto:Joshua.paterninablanco@itf-oecd.org)

**Andrea PAPU CARRONE**  
Project Modeller

[Andrea.papucarrone@itf-oecd.org](mailto:Andrea.papucarrone@itf-oecd.org)

