

## Private Sector Perspectives on Policy Instruments for GHG Mitigation in the Domestic Transport Sector

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# Alstom and Sustainable Mobility

Less energy consumption

Less CO<sub>2</sub>

Less impact on landscape



## Trains

5x less energy than planes per passenger km

## Metros

5x fewer emissions than a bus, 7x less than a car

## Trams

Ground level power supply  
Reduced noise

\* In primary energy equivalent

\*\* With an European energy mix and standard occupancy rates



# Road-pricing

Singapore



London



Stockholm

Milan



# Road-pricing for trucks



# Car-Parking



Utrecht



Helsinki



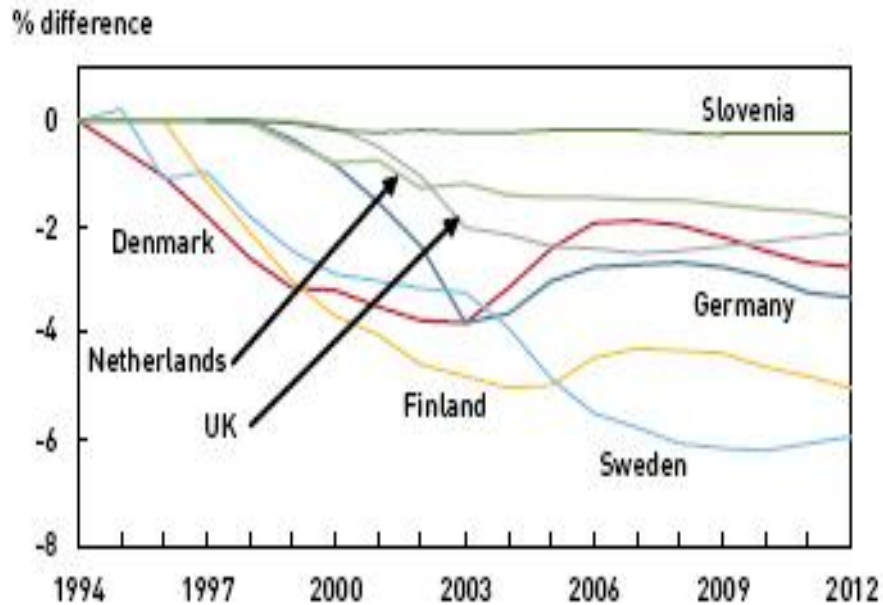
# Regulating vehicle emissions

- EU Regulation of Cars and Vans
- Average emissions falling 4% pa
- Down 31% since 1997

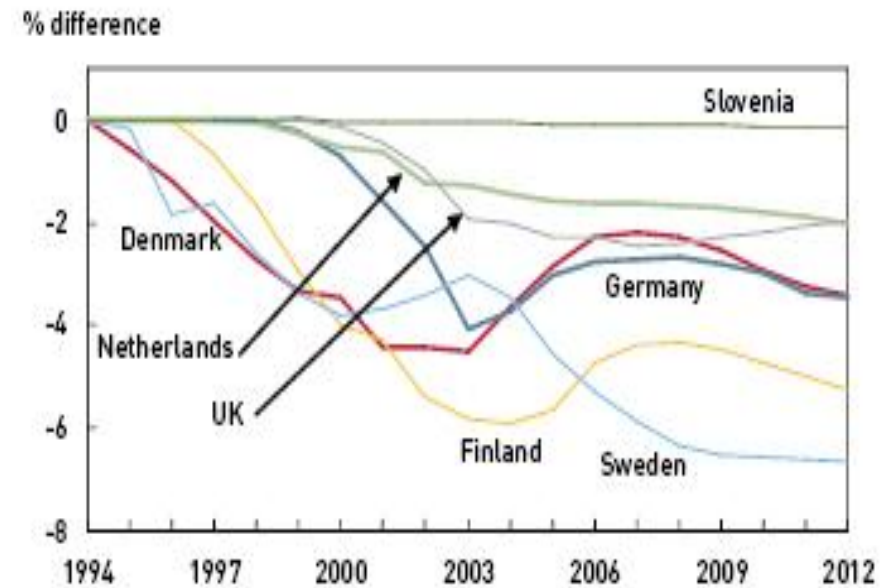


# CO2 taxes in transport

## Impact on Fuel Use



## Impact on GHG Emissions



Source: Cambridge Econometrics.

# CO2 Emissions Trading and Transport

## Australian ETS

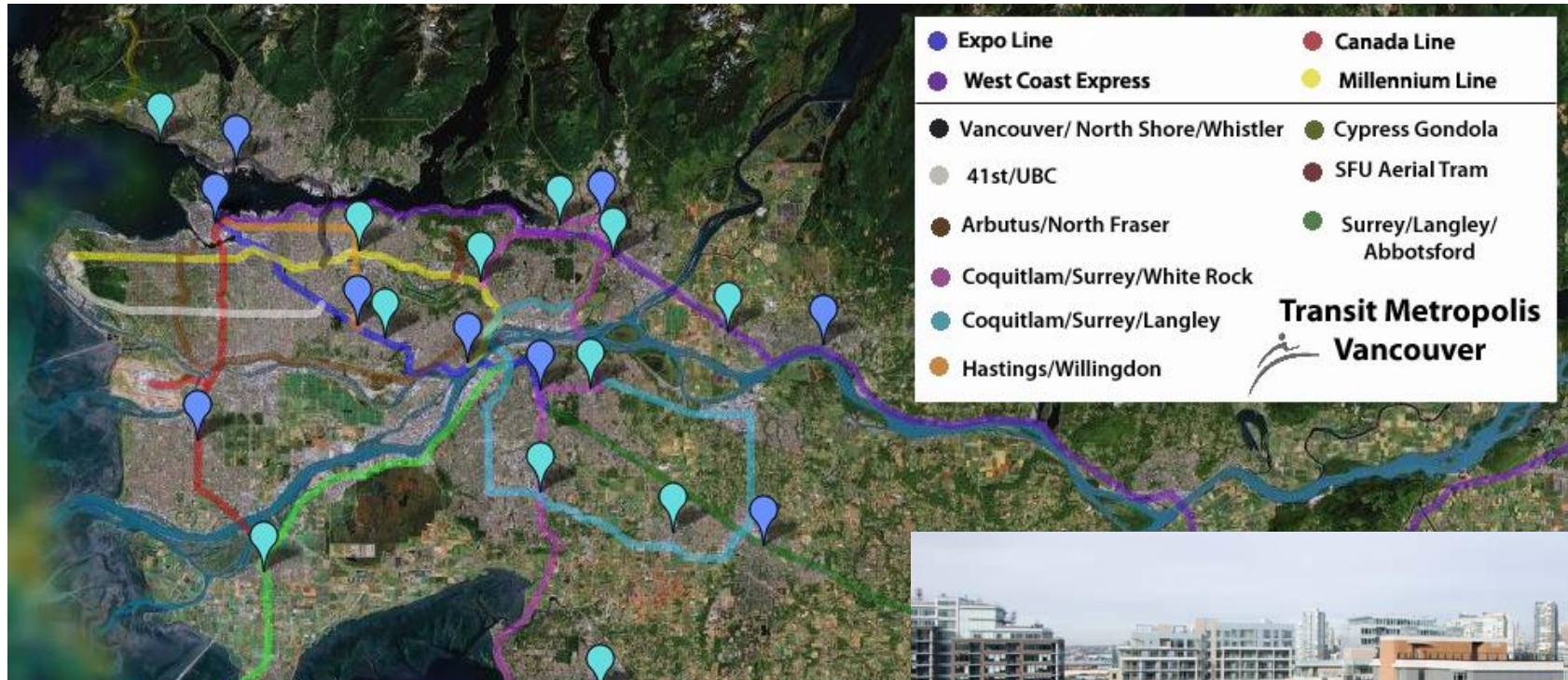


## Shenzhen ETS pilot





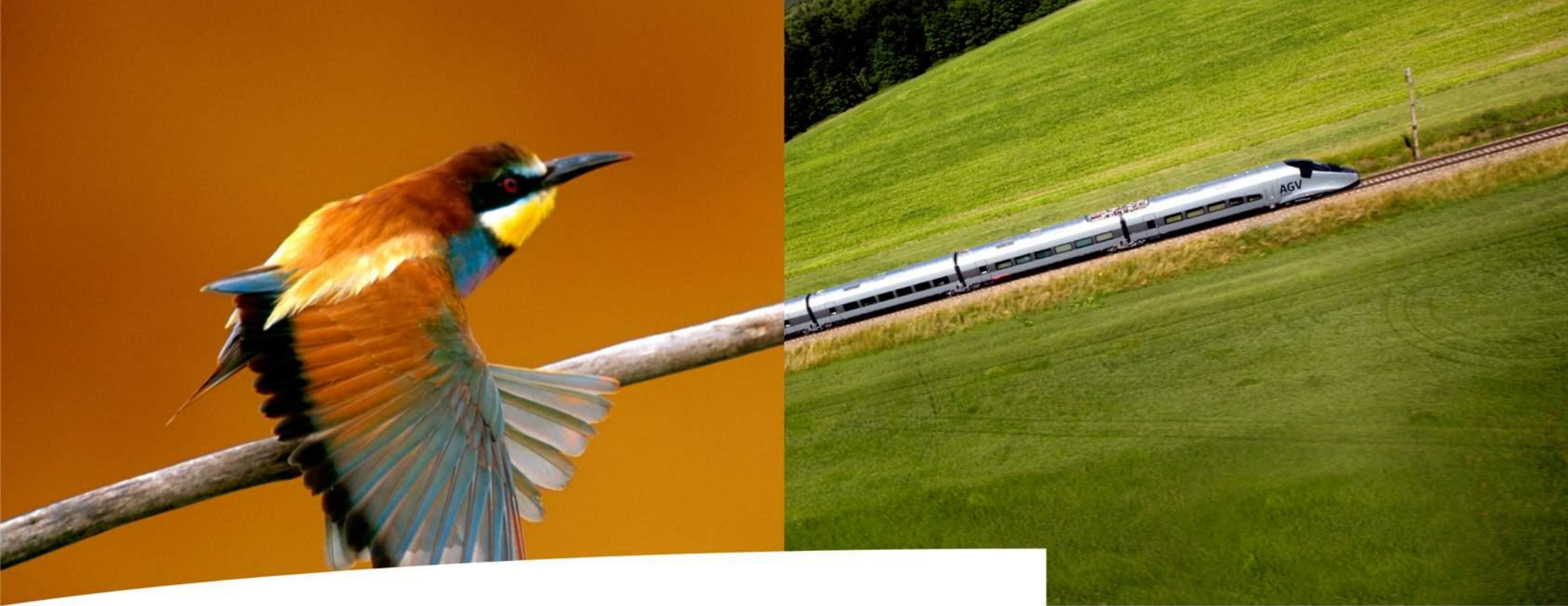
# Key role of urban planning



# Conclusions

- Road-pricing key
- Vehicle standards key
- Impact of CO2 pricing unclear
- Need bigger picture, esp. urban planning
- ..... and mobilise low-carbon finance





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