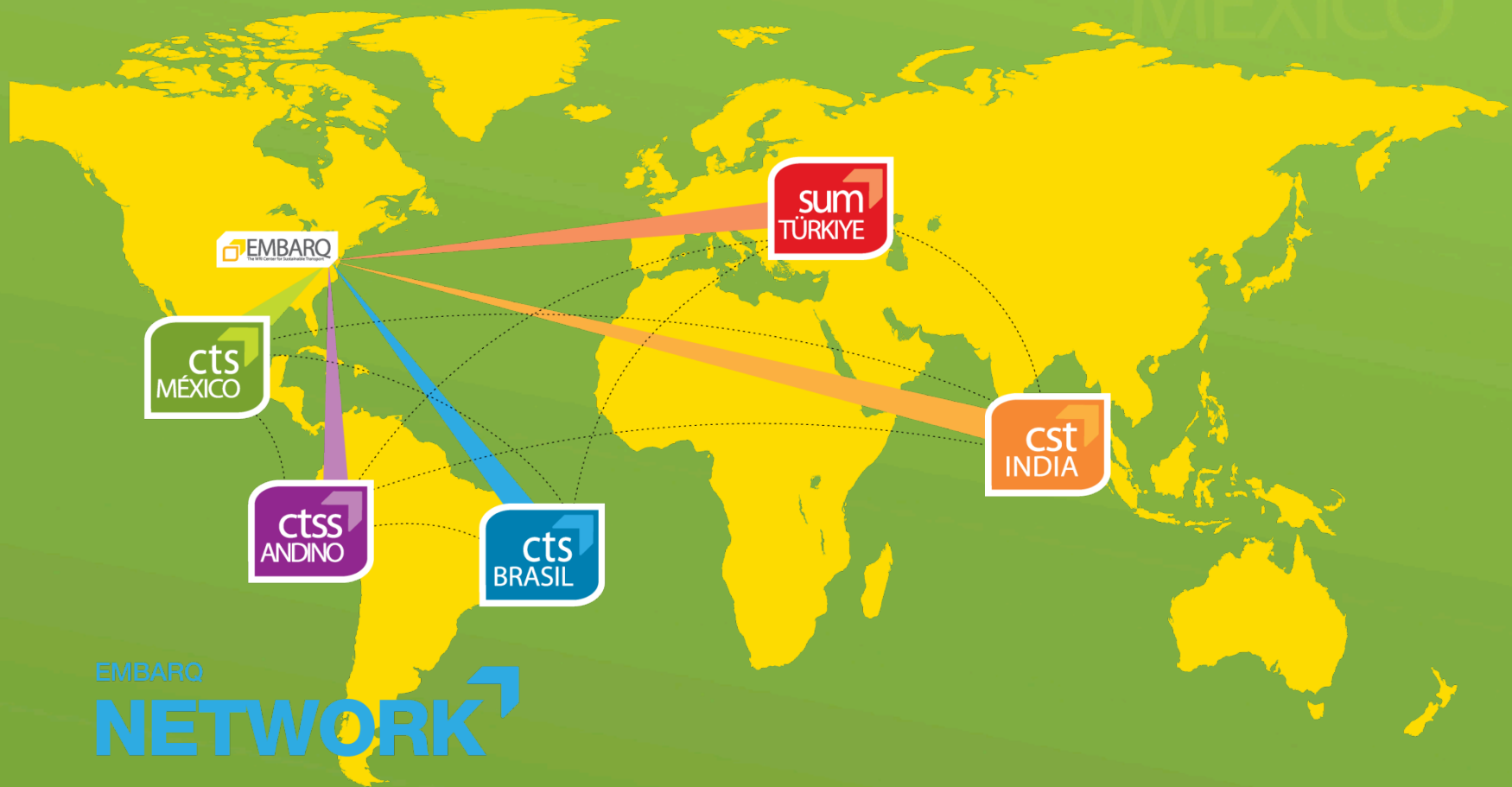


ASSESING THE MULTIPLE CO-BENEFITS OF URBAN TRANSPORT

“UN Forum on Climate Change Mitigation, Fuel Efficiency and
Sustainable Urban Transportation”

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Environmental Economics
& Climate Change

EMBARQ Network



CTS México

Mission: Catalyze sustainable mobility solutions in order to improve the **Quality of Life** in Mexican cities.



Urban Transport is influenced by society visualization of

CTS
MÉXICO

How and where we **live?**



What we **Build?**



How we **move?**

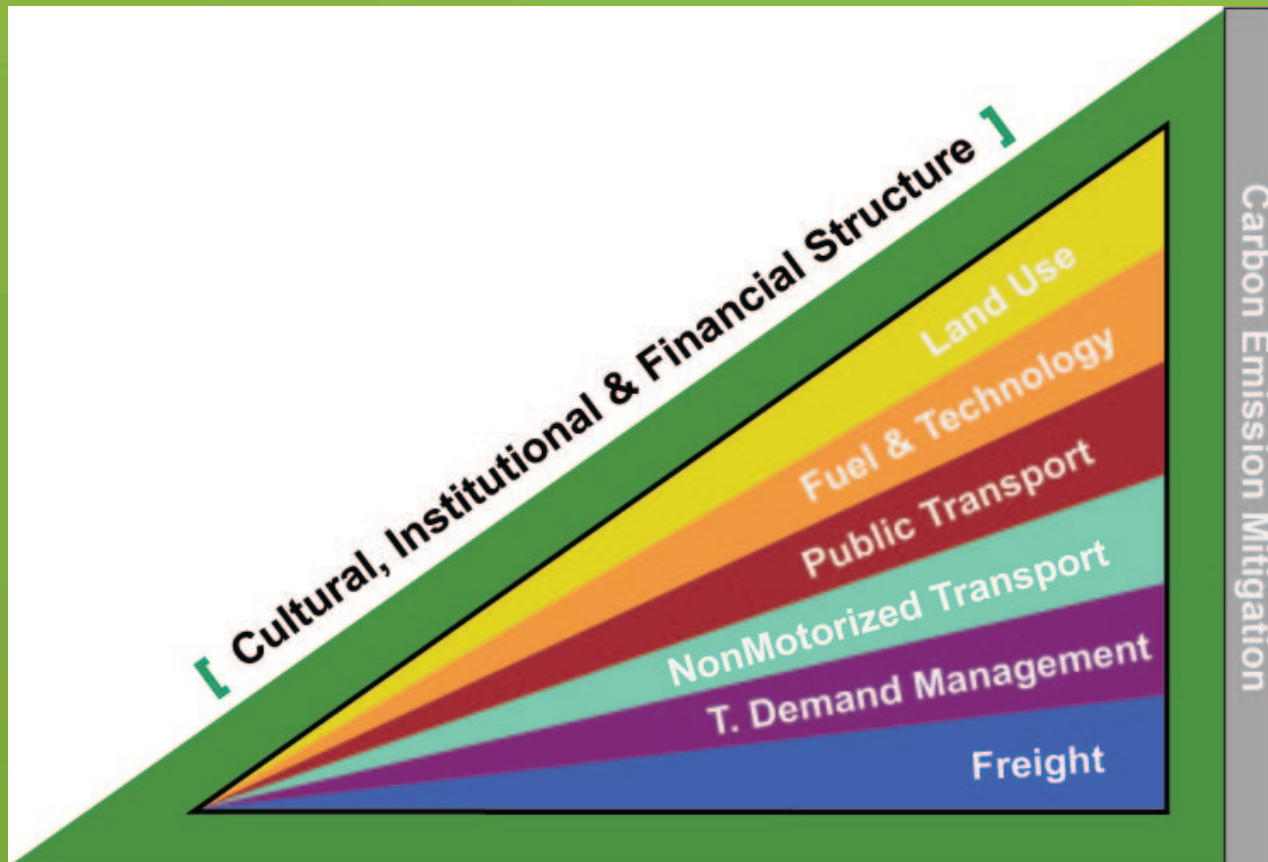


How we **Interact?**



Integral approach for Sustainable Mobility

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Economic

CONGESTION

An average Mexico City's citizen spends 4 hours a day commuting. **This adds to 5 years in a lifetime**

TRANSPORT EXPENDITURES

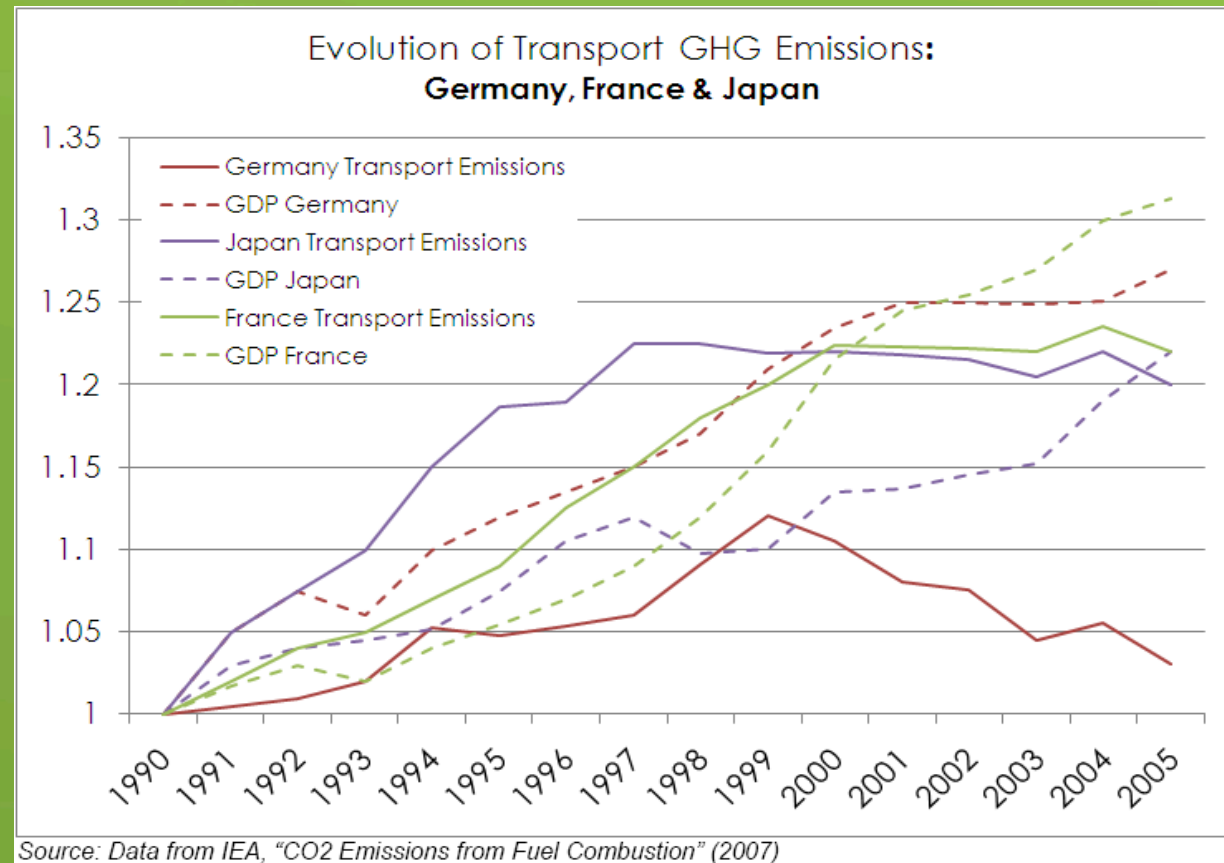
People on minimum wage spend 30% of their income in transport

PROPERTY VALUE & INVESTMENT

Research found that apartment value increased by 6.8 % every 5 minutes closer to the station



The experience in some developed countries has proven the transport sector emissions to be decoupled from economic growth. Transport can foster Green Growth!!!



Health

OBESITY

A transport model based on private vehicles will foster a sedentary life and thus obesity

TRAFFIC ACCIDENTS

In Mexico, is the first cause of death for children and people on productive age. 46 persons die every day

AIR QUALITY

Just in Mexico City. 4,000 deaths a year are associated to pollution



Social Structure

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HEAVY TRAFFIC
16,000 vehicles per day



0.9 friends per person
3.1 acquaintances per person

MEDIUM TRAFFIC
8,000 vehicles per day



1.3 friends per person
4.1 acquaintances per person

LIGHT TRAFFIC
2,000 vehicles per day



3 friends per person
6.3 acquaintances per person



Center for
Sustainable
Transport

Donald Appleyard, UC Berkeley Professor of Urban Design,
quantified the impact of traffic on social ties.



Environment

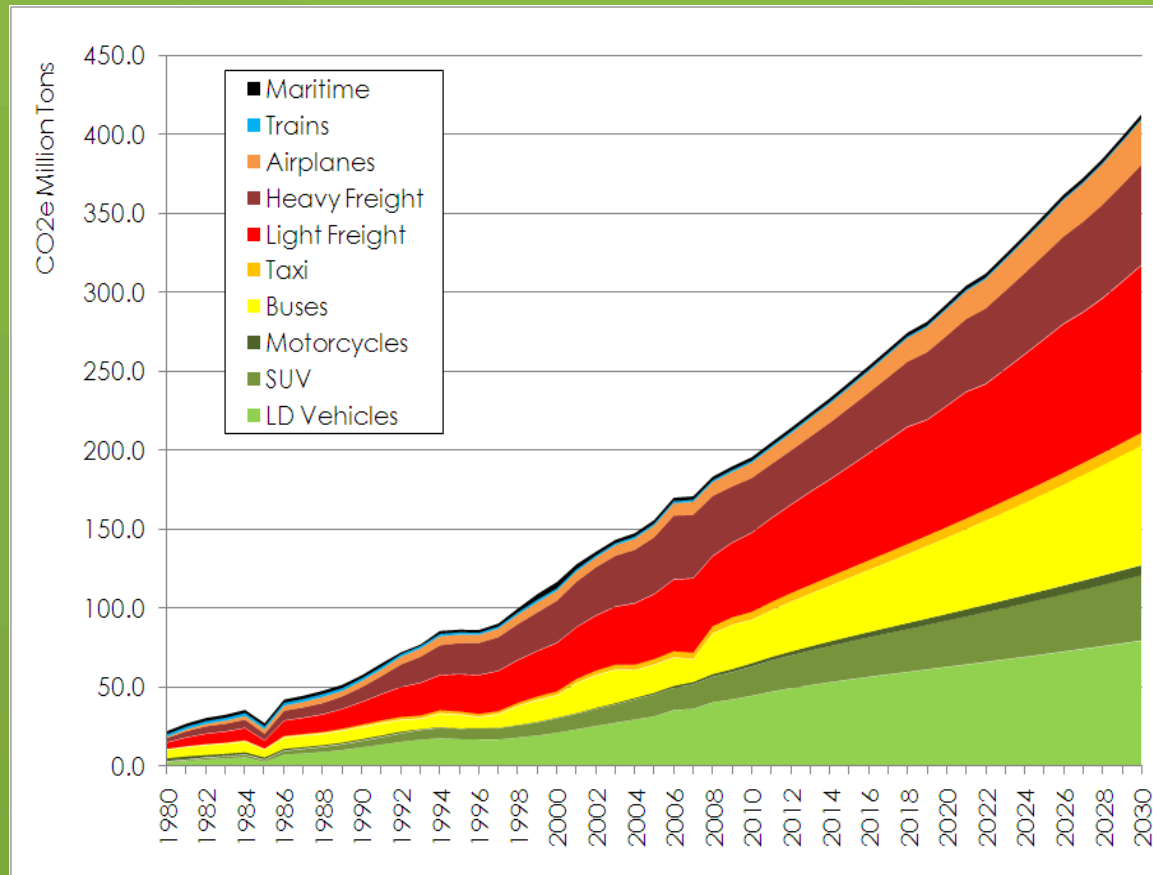
CLIMATE CHANGE

Transport is the fastest growing sector. In Mexico it accounts for 20% of total GHG emissions

Transport GHG emissions are projected to double in the next 10 years and triple in 20.

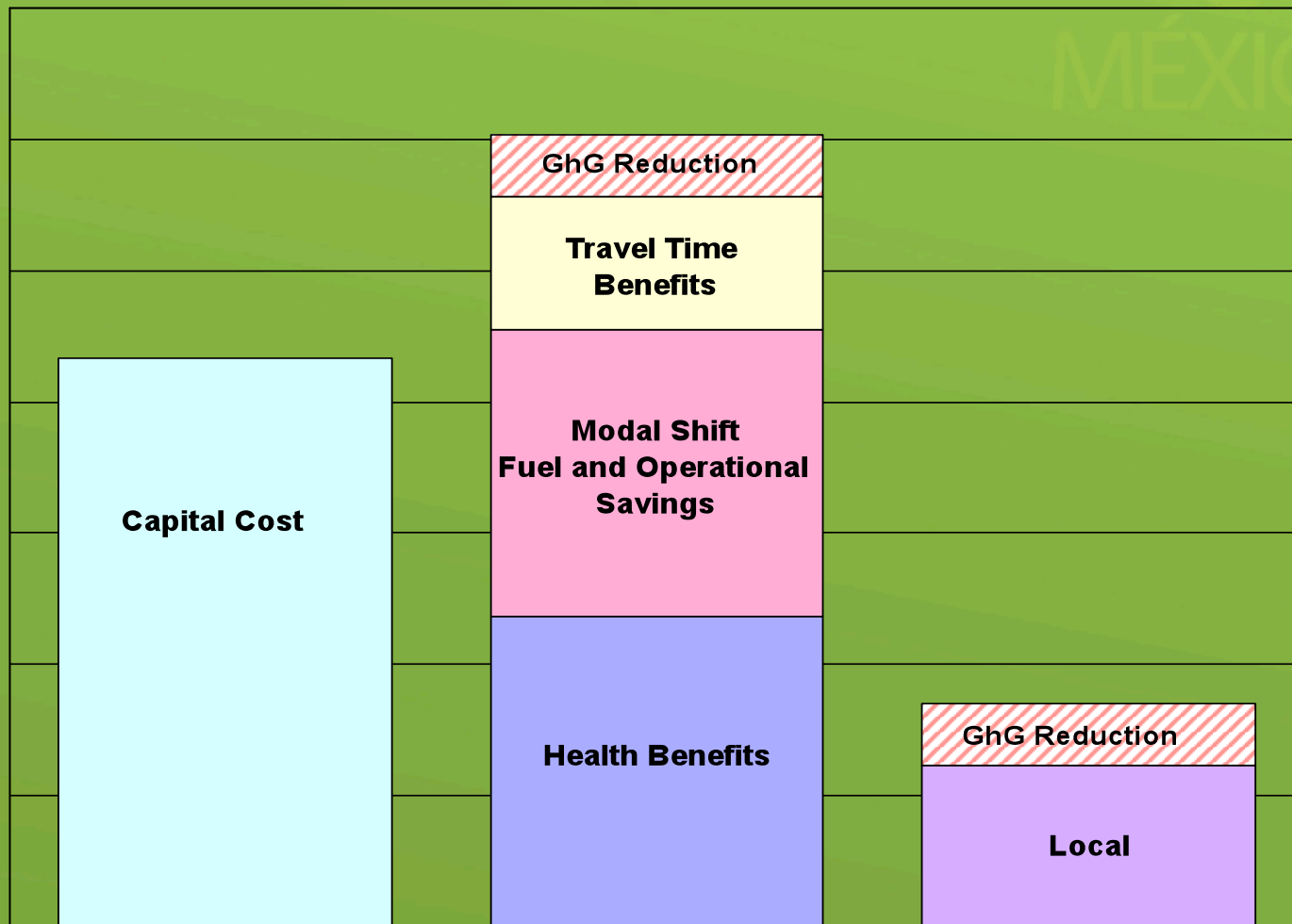


Mexico projection of total mission per mode (2009- 2030)

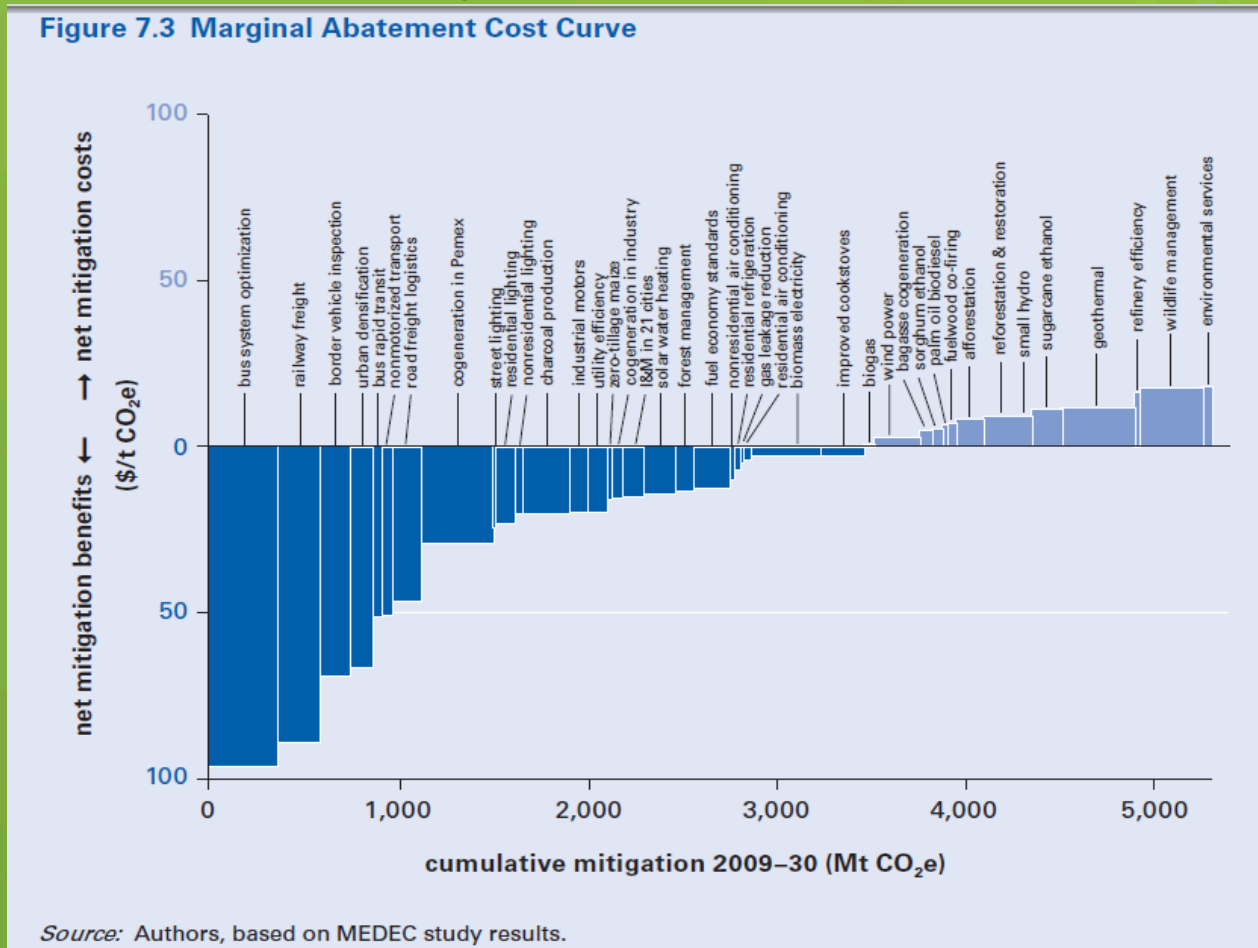


Source: Low Carbon Development for Mexico study, CTS-World Bank 2008

The Benefits and Costs of a Bus Rapid Transit System in Mexico City



Given the co-benefits most policies in transport showed negative social costs !!!



Source: Low Carbon Development for Mexico study, CTS-World Bank 2008

Conclusions

- Transport offers multiple direct benefits on time savings, transfer costs, social cohesion, health, economic competitiveness, etc...
- Climate change mitigation is a **cobenefit** for transport
- **Transport is indispensable** for climate change, whereas CC must not be the requisite for a sound urban transport policy
- Main aim of an integral public policy on urban transport is to improve the **quality of life**



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