



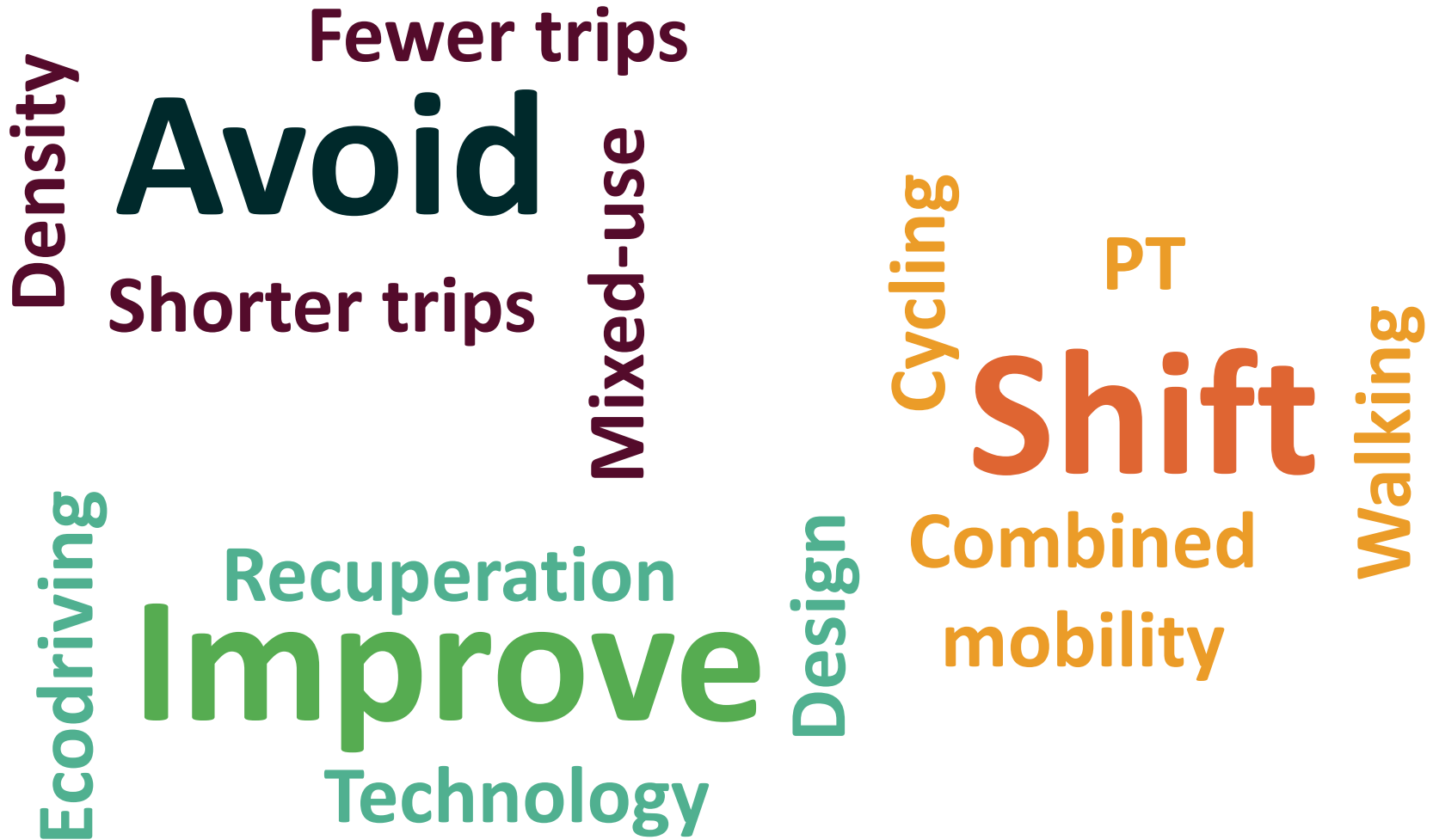
ENERGY EFFICIENCY IN URBAN TRANSPORT SYSTEMS

Jerome Pourbaix

European Parliament, Urban Intergroup

Tue. 4 March 2014

ENERGY EFFICIENCY



KEY MESSAGES

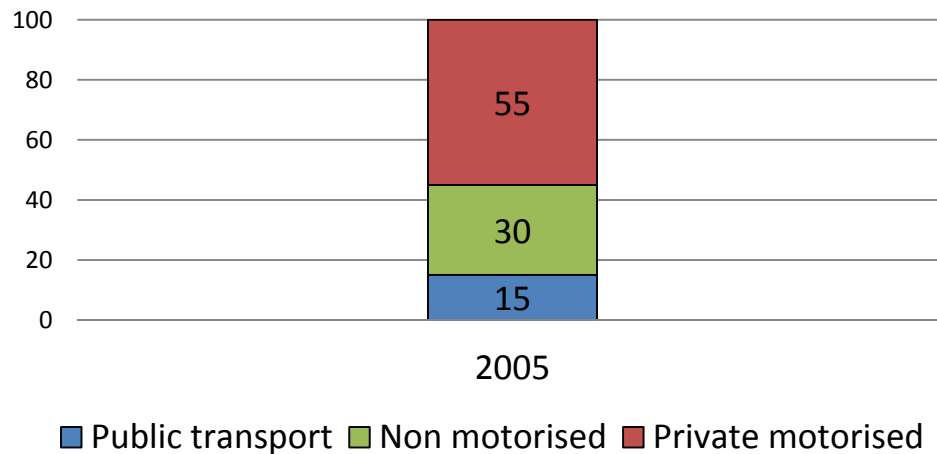


Urban transport energy efficiency is strongly influenced by **mobility patterns**.

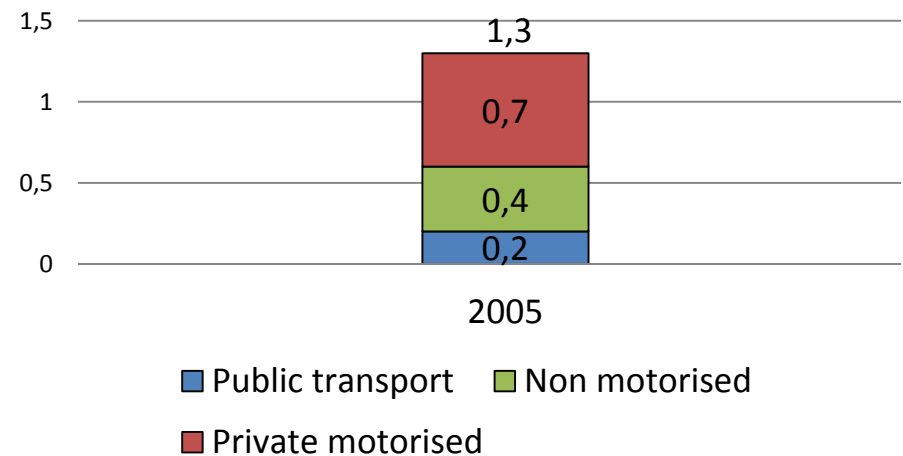
Shift to public transport is key to increase urban transport energy efficiency.

URBAN MOBILITY IN EUROPE

Modal split of urban trips (%)



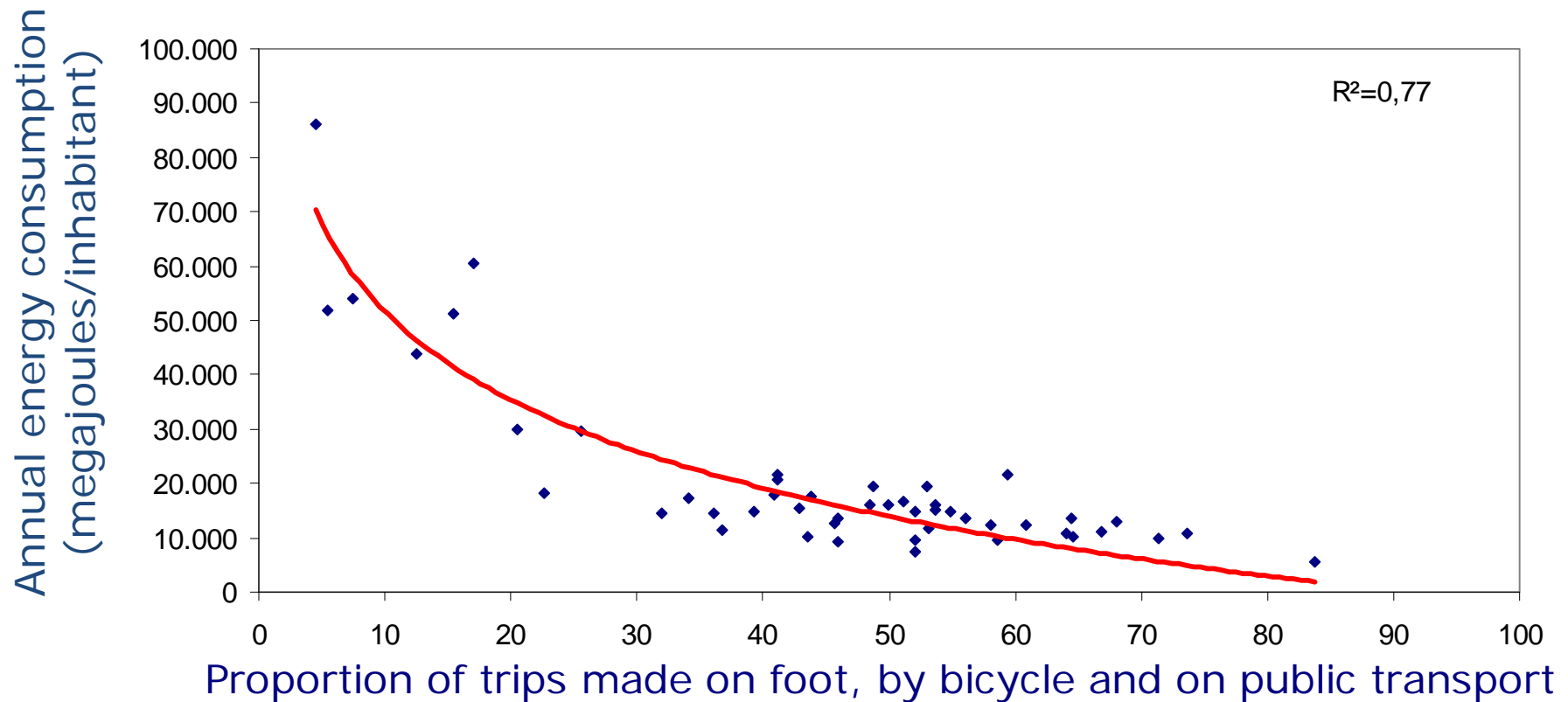
Daily trips in urban areas (billions)



Compared to **2005**, by **2025**, the number of urban trips in Europe will increase by **25%**.

Source: UITP Urban Transport Scenarios for 2025 - in collaboration with IEA (2011).

URBAN TRANSPORT ENERGY CONSUMPTION



Source: UITP Mobility in Cities Database (2006)

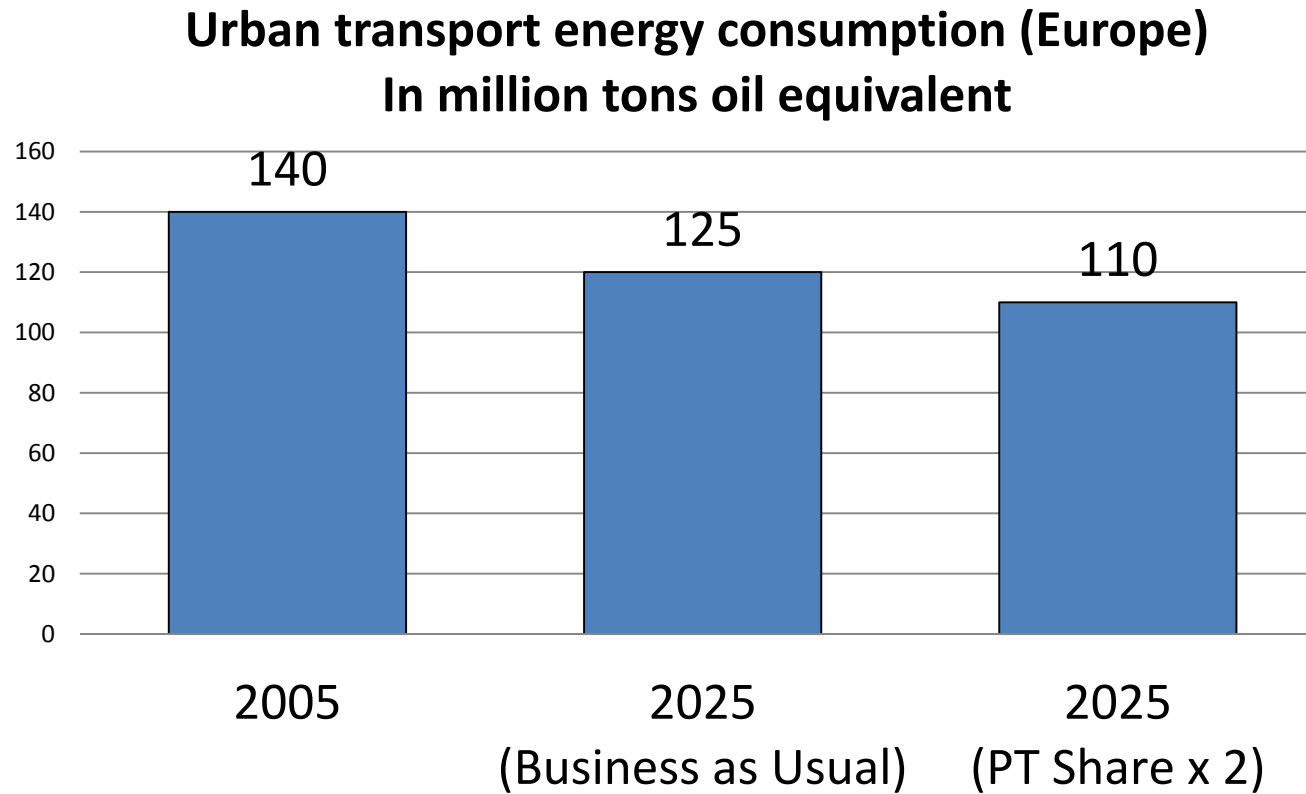
COMPARED ENERGY EFFICIENCY

Public transport is on average **2.5 times** more energy efficient than private cars per passenger x km.

Public transport = **10%** of urban transport energy consumption.

Source: UITP Urban Transport Scenarios for 2025 - in collaboration with IEA (2011).

URBAN TRANSPORT ENERGY CONSUMPTION SCENARIOS



Source: UITP Urban Transport Scenarios for 2025 - in collaboration with IEA (2011).

OIL DEPENDENCY

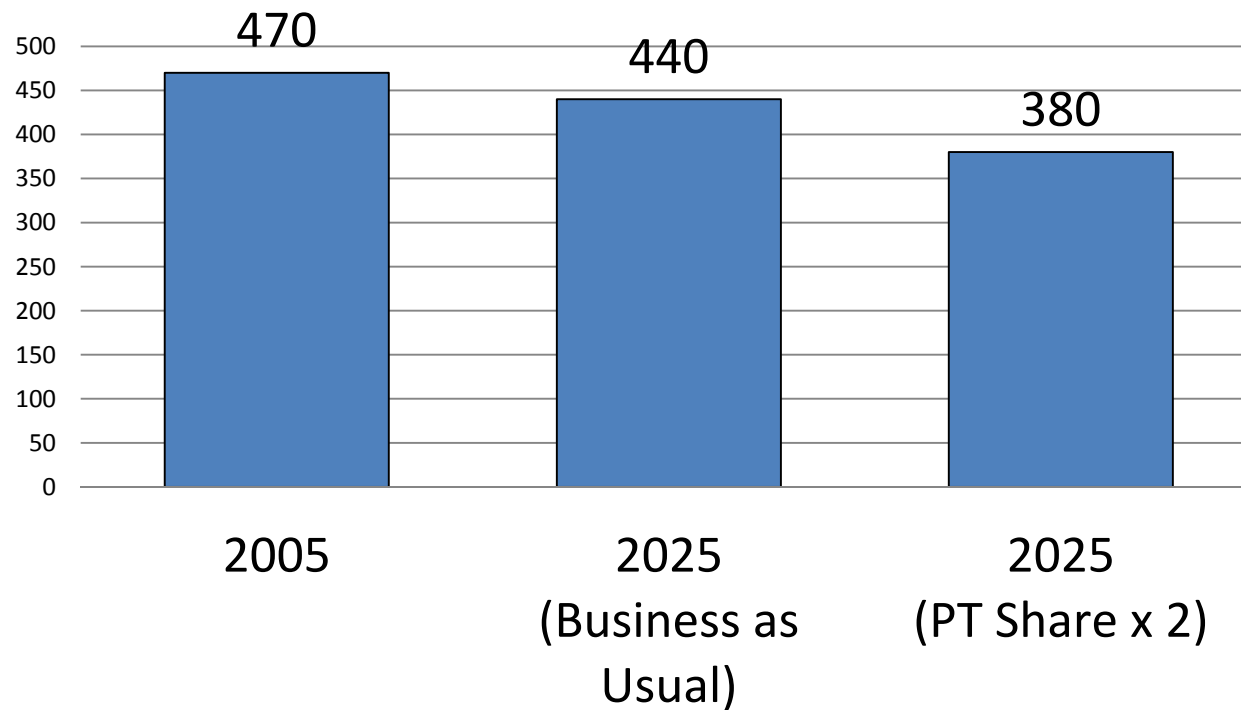
Urban transport is about 98% dependent on oil based energy and it will remain 95% dependent in 2025.

At global level, the share of oil production used for urban transport will increase in business as usual scenario and decrease if doubling of public transport modal share.

Source: UITP Urban Transport Scenarios for 2025 - in collaboration with IEA (2011).

URBAN TRANSPORT GHG EMISSIONS SCENARIOS

Urban transport GHG emissions (Europe)
In million tons CO2 equivalent



Source: UITP Urban Transport Scenarios for 2025 - in collaboration with IEA (2011).

BETTER URBAN TRANSPORT ENERGY EFFICIENCY?

Better integration between urban planning, public transport, energy and IT.

Priority to the development of public transport and sustainable modes.

Control and pricing of traffic and parking.

CONTACT



Jerome Pourbaix
Head of Policy, UITP

www.uitp.org

+32 2 663 66 22

jerome.pourbaix@uitp.org

@jp_uitp