



LEDS Global Partnership

Clean Transport Development Webinar Series
Overview of Planning and Financing Sustainable Low-Carbon Urban Transport

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www.LEDSGP.org



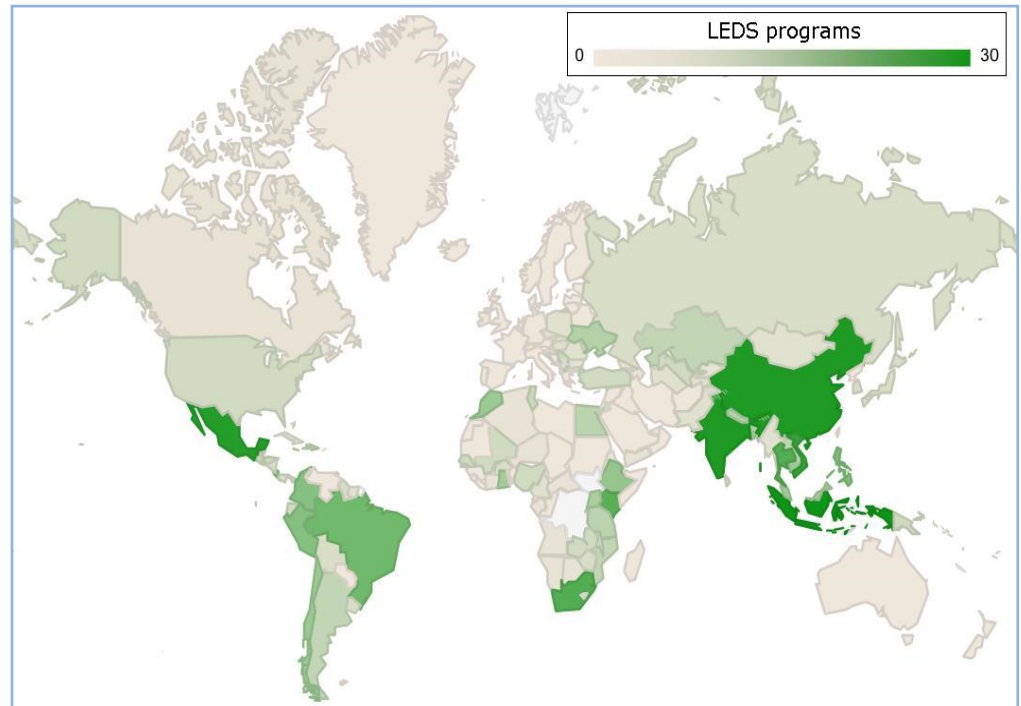
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Low Emission Development Strategies Overview

The Low Emission Development Strategies (LEDS) Global Partnership is a partnership of more than 100 countries and international programs enhances coordination, information exchange, and cooperation to advance climate-resilient low emission growth.



Please visit www.ledsgp.org to learn more about the Partnership or to become a member.

Transport is a key part of

Sustainable & low-carbon
development strategies

Locally & Nationally & Globally



United Kingdom



Turkey

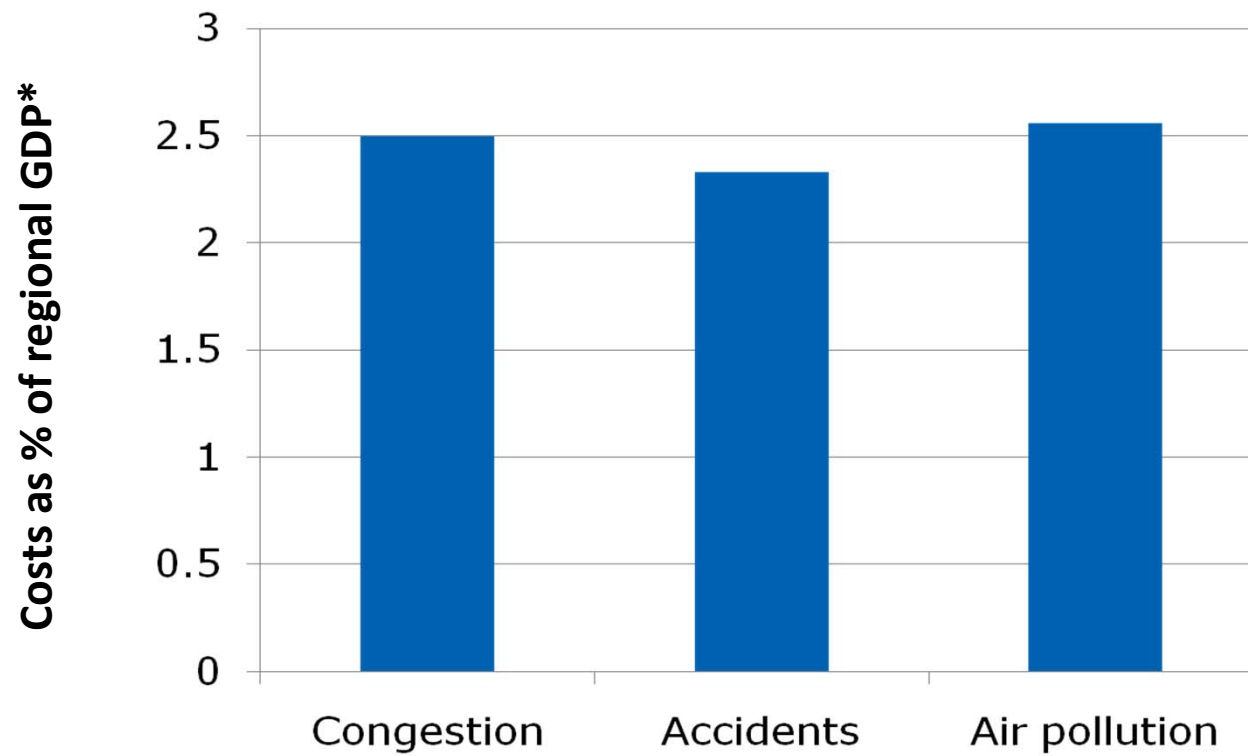
Photo copyright Ko Sakamoto



Thailand

Photo copyright Ko Sakamoto

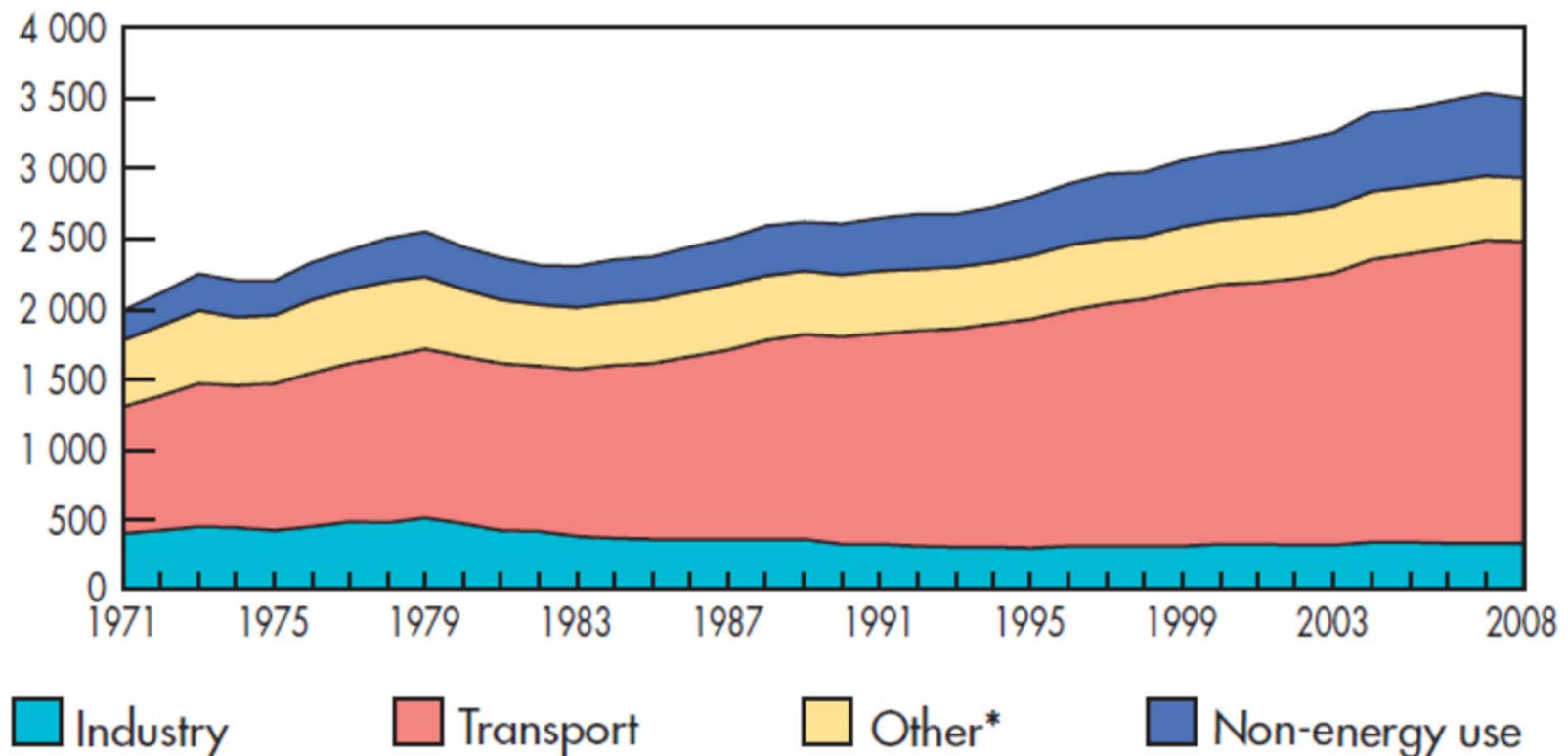
Case of Bangkok



***Median Estimate**

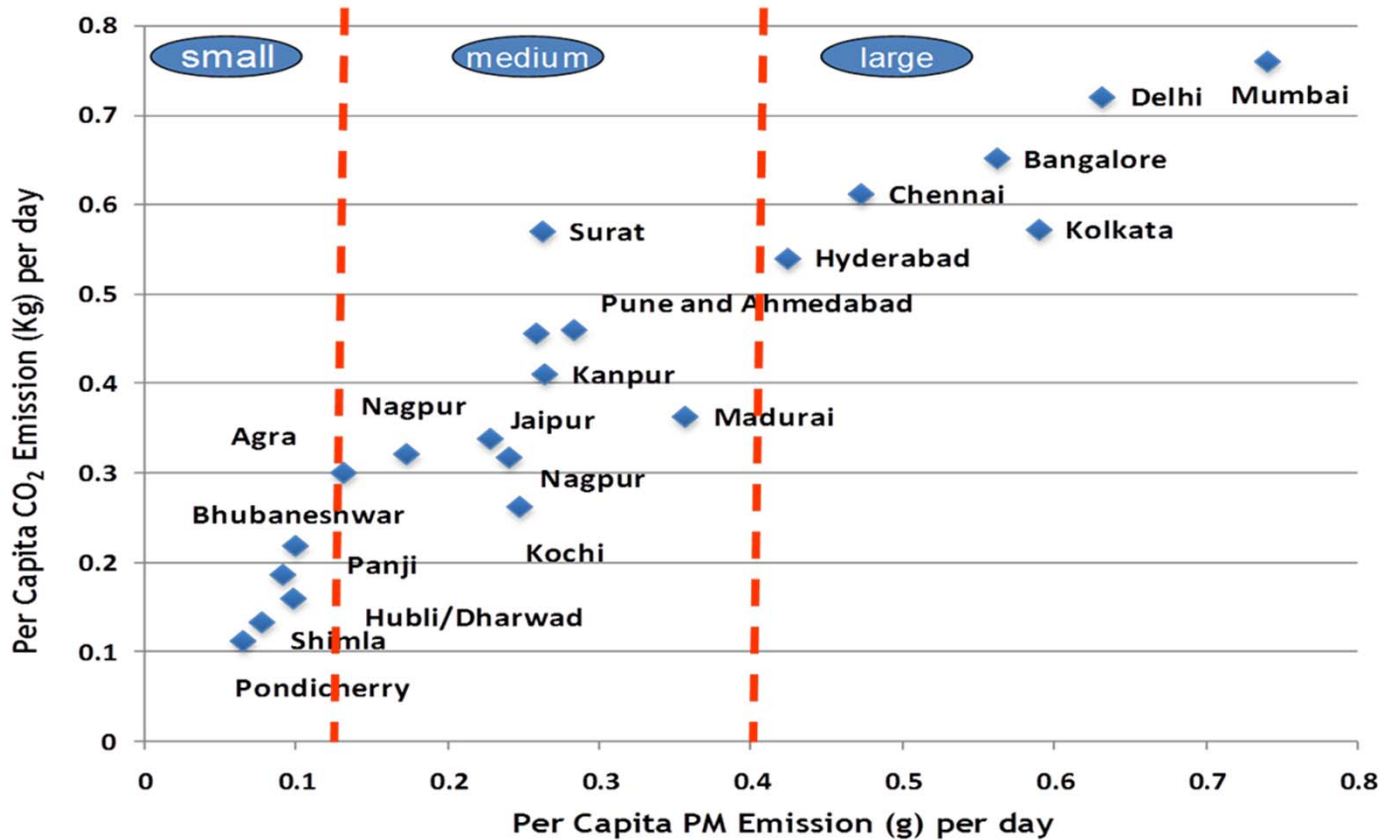
Energy Consumption

Evolution from 1971 to 2008 of total final consumption by sector (Mtoe)



Per Capita CO₂ and Per Capita PM Emissions

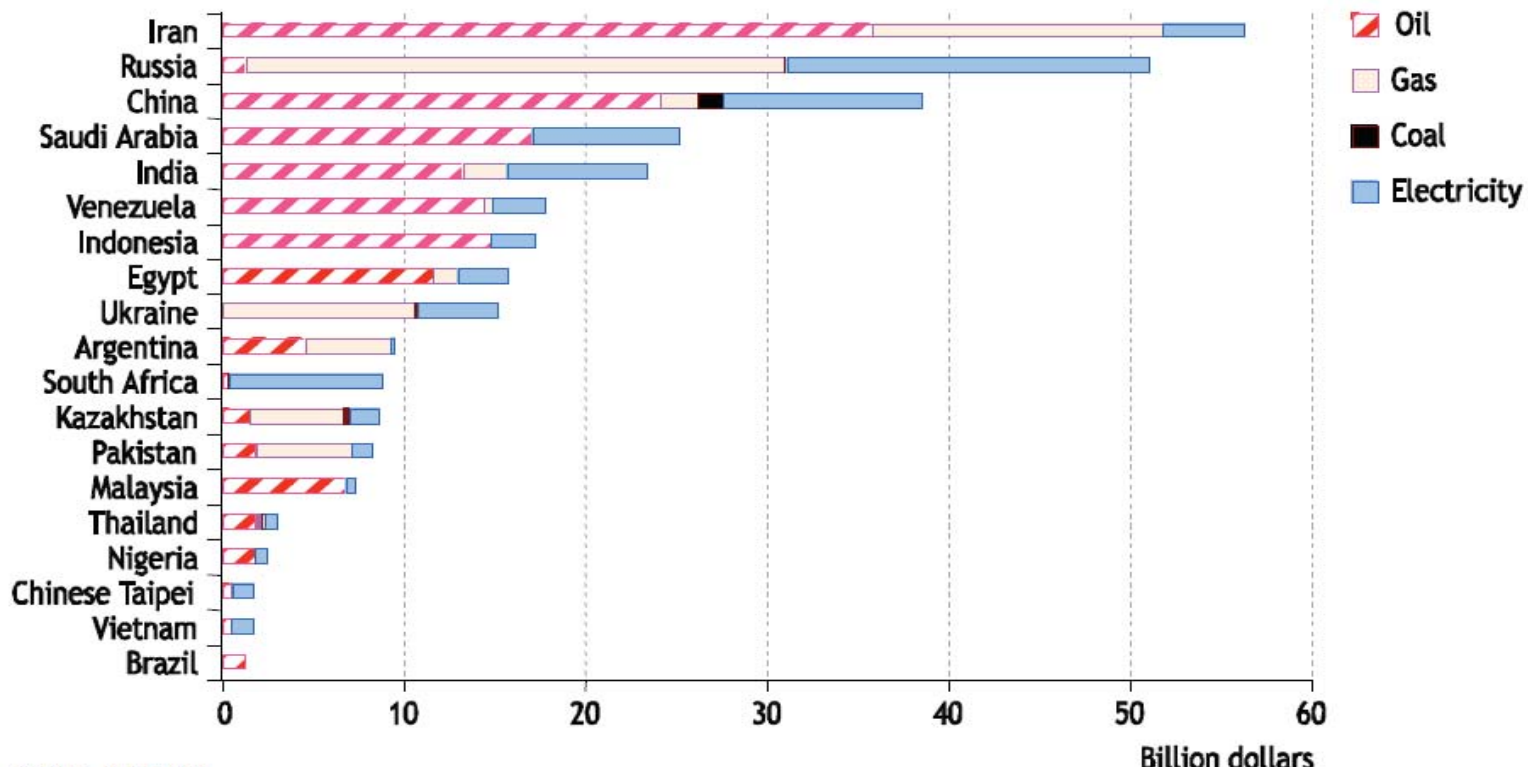
Per Capita CO₂ and Per Capita PM Emissions



Source: 2008. MOUD- Study on Traffic and Transportation Policies and Strategies in Urban Area. Analysis By CAI-Asia

Fuel Subsidies: A real win-win situation

300 billion US Dollar on fuel subsidies in 2008 (UNEP)



6% global GHG reduction by abolishment of fuel subsidies

Linking Low-Carbon Transport Planning & Financing

↗ **Local GDP**

→ ↗ **Motorization rate**

→ ↗ **Car use**

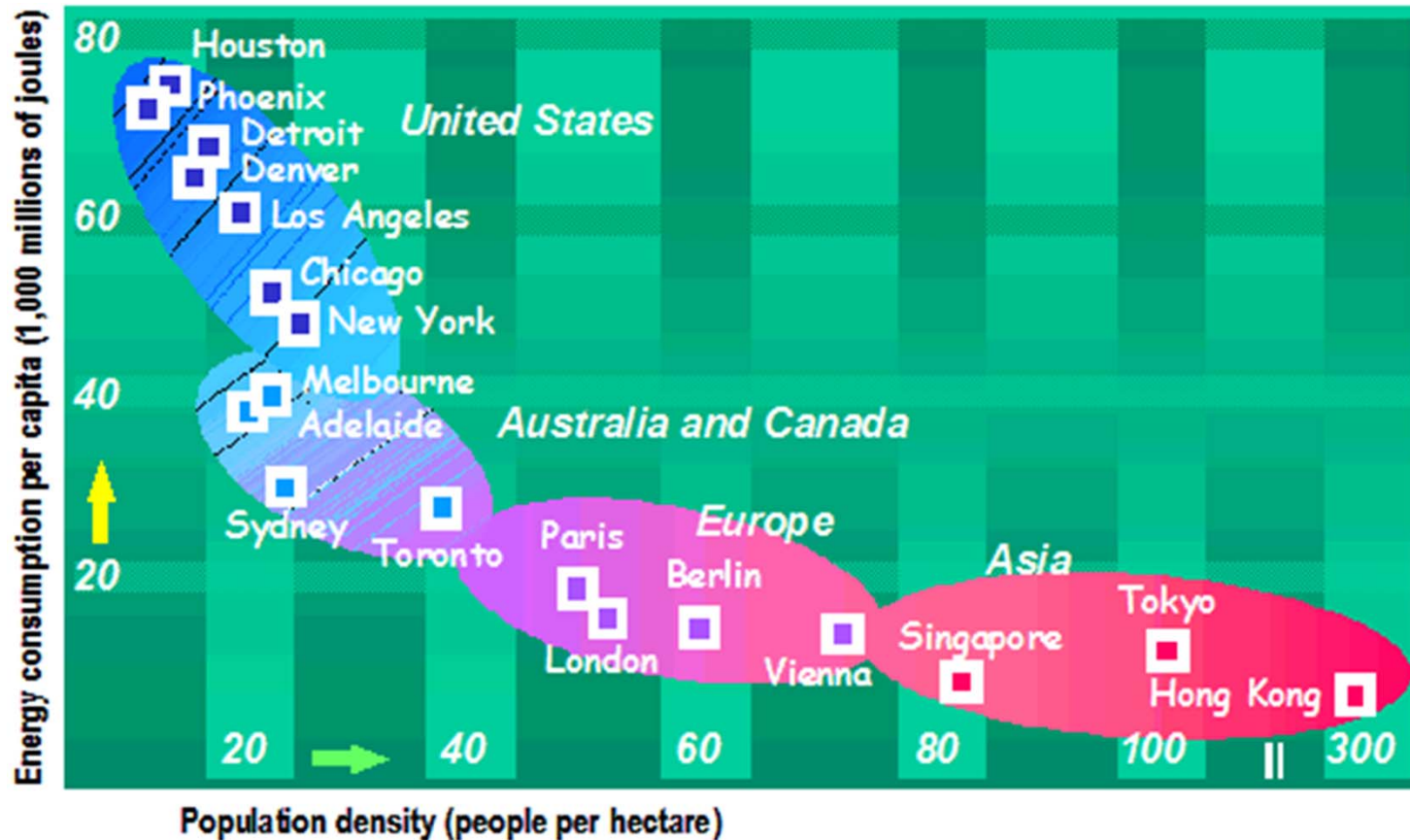
→ ↗ **Energy consumption**

→ ↗ **Offer transportation and infrastructure?**

- **Transport energy consumption and GHG emission can not be analyzed independently of urban transport and land use characteristics**
- **Parameters without spatial dimension are not enough**

First Level of Analysis: Macro-urban

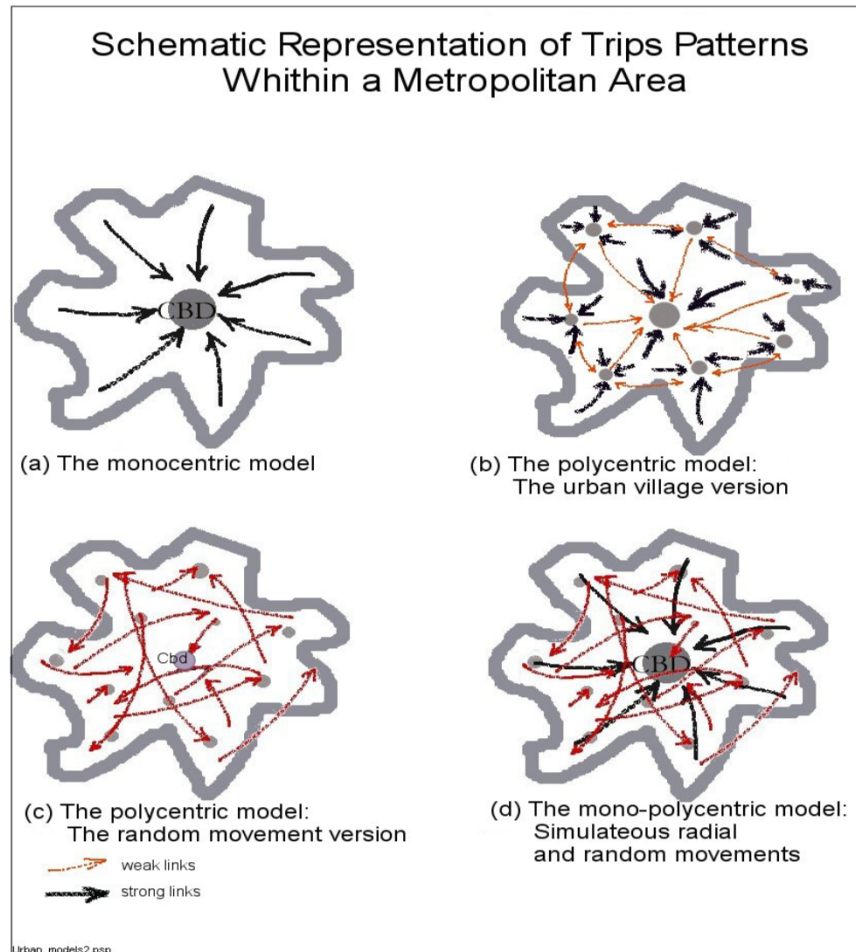
Average Density - Energy Consumption



Spatial distribution

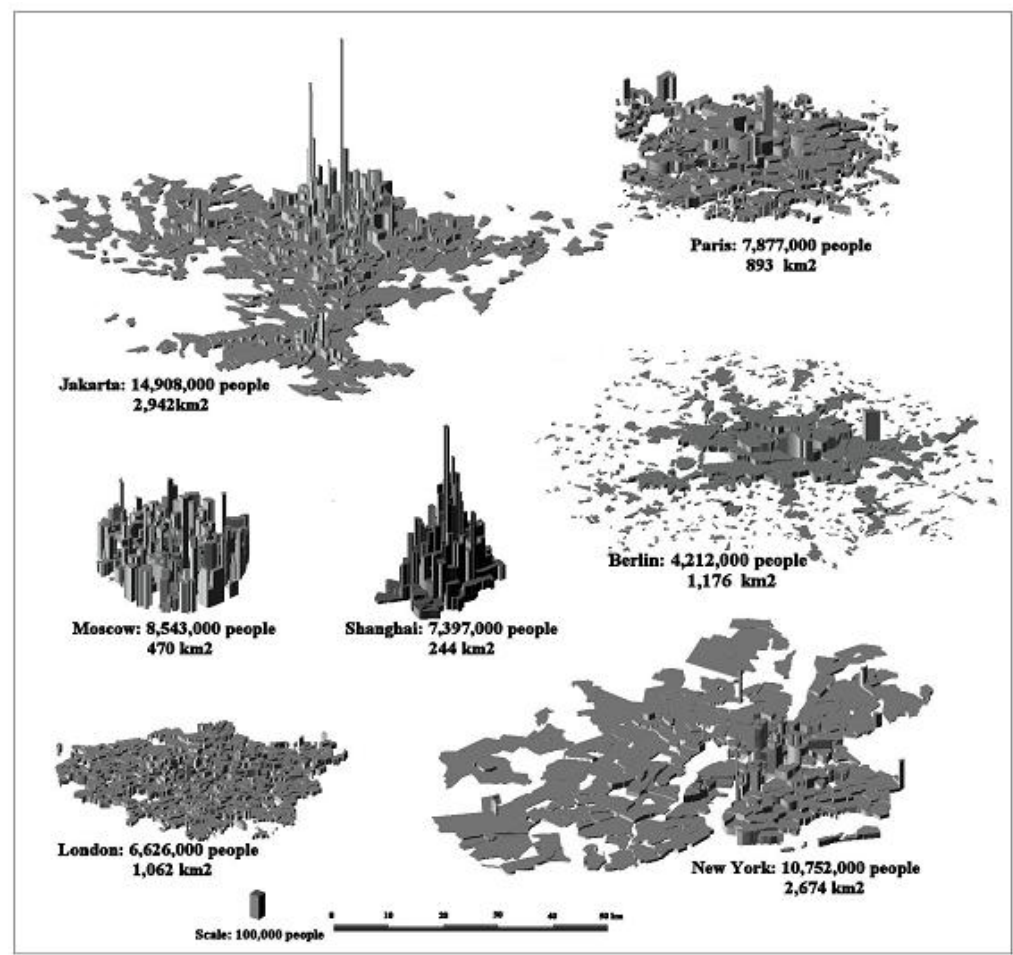
1) **Travel**

2) **Population**

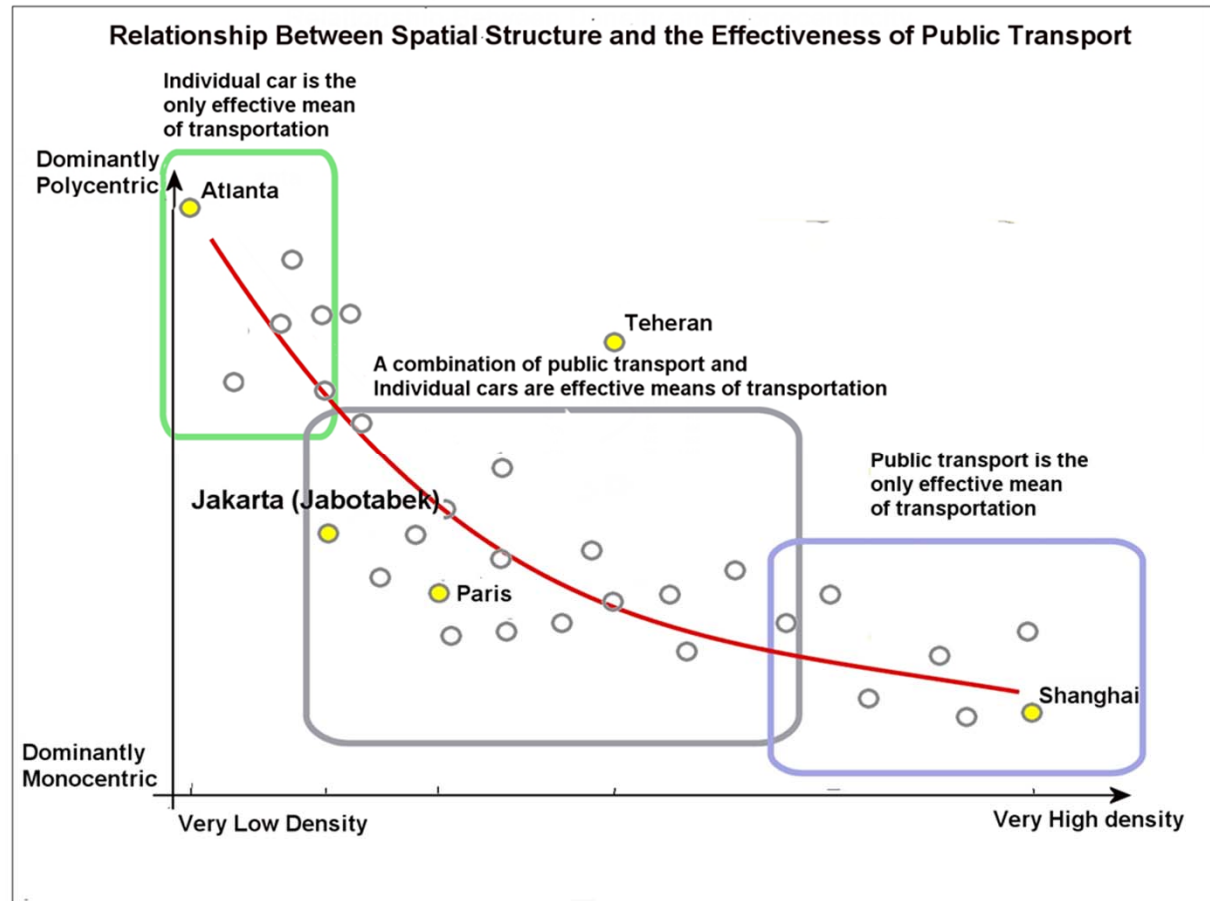


Spatial distribution

- 1) Travel
- 2) Population



The Urban Structure

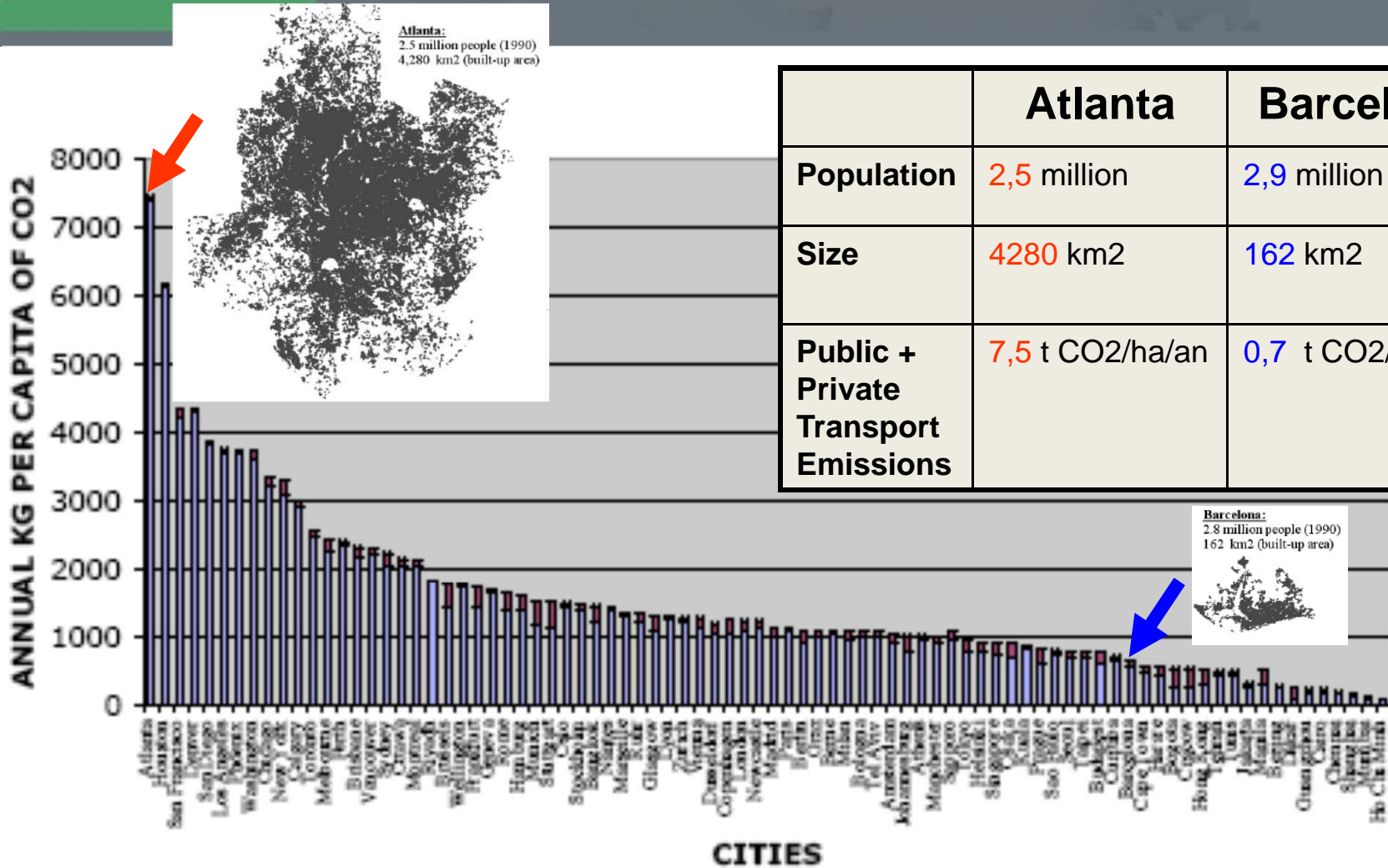




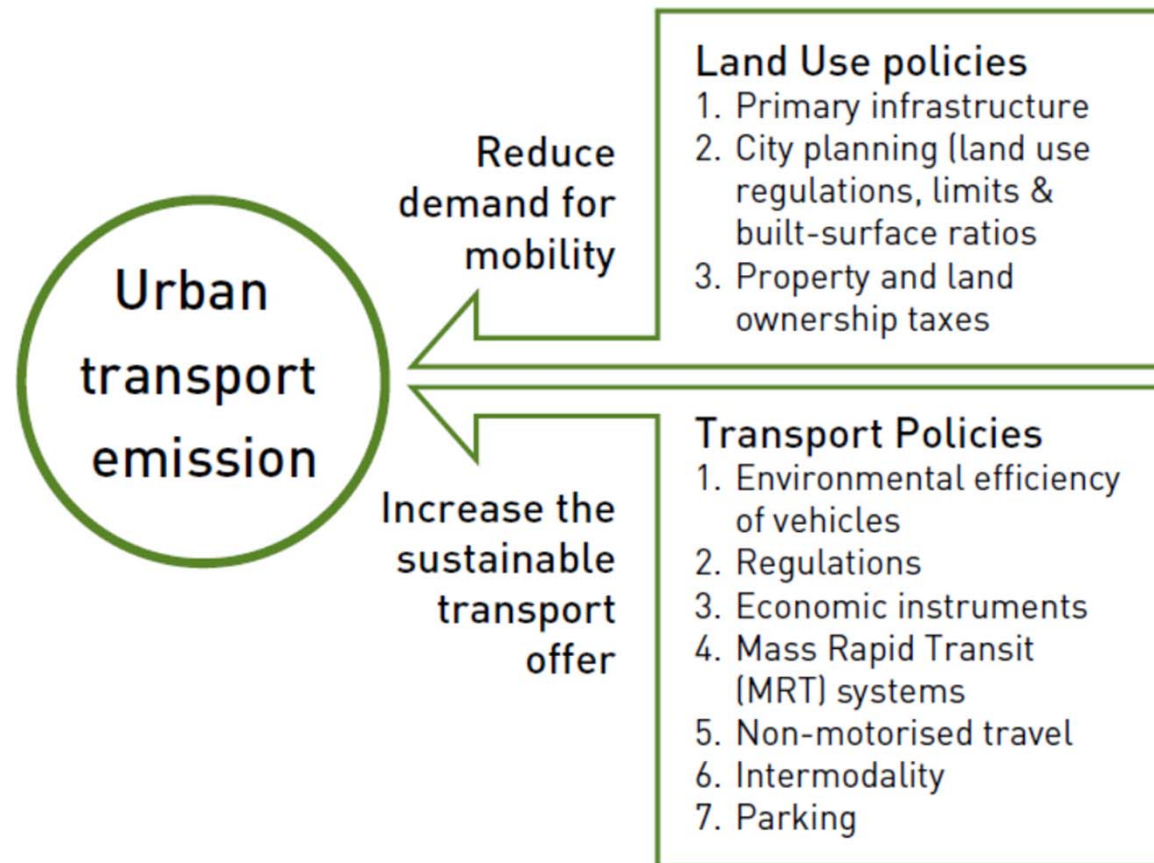
What can be done ?

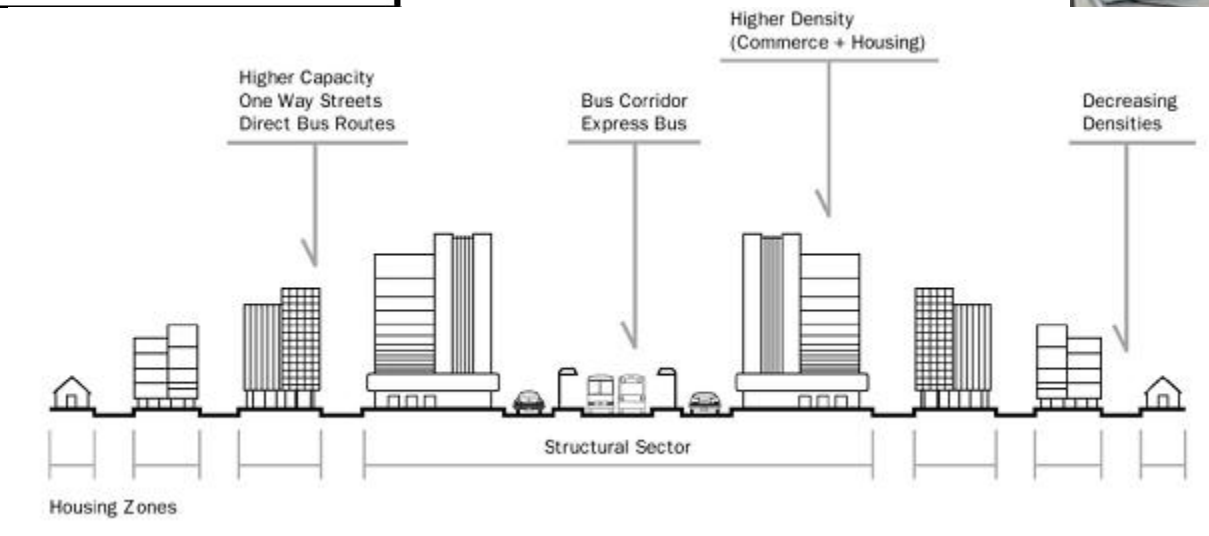
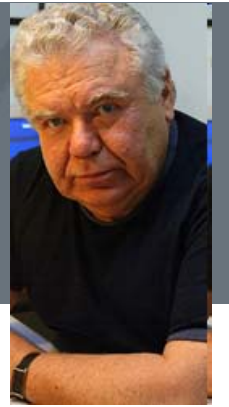


Atlanta or Barcelona?



Integrated Approach







Integrated Approach

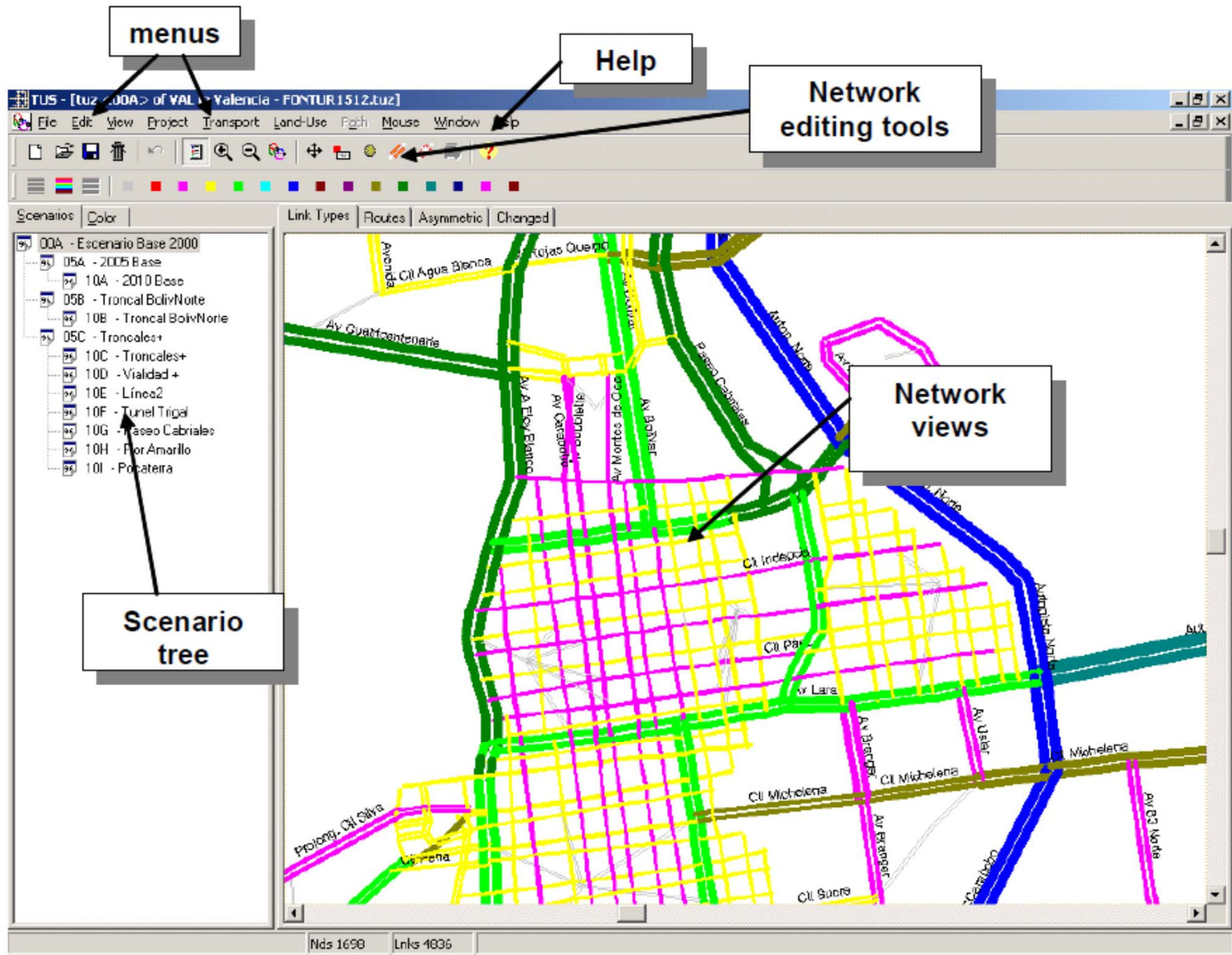




Tools exist !

Tools helping

- **To make the right policy decision**
- **To implement the taken decision (strategy design)**





TRANUS



- **Software is free to access**
- **Widely used**
 - North America
 - South America
 - Europe
 - Japan
 - United States Environmental Protection Agency
 - World Bank
- **Two Examples:**
 - Brussels
 - Rio de Janeiro



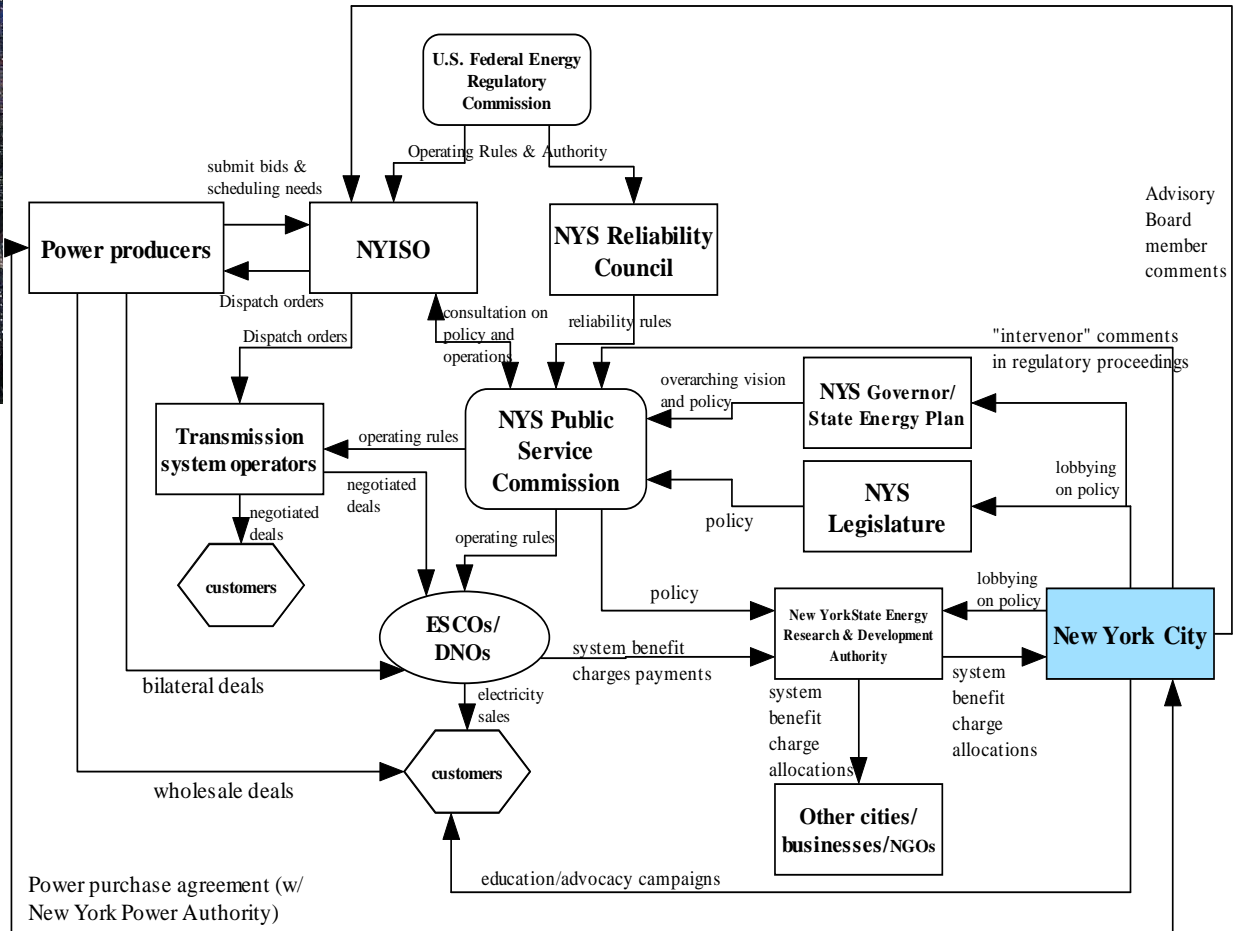


Tools exist !

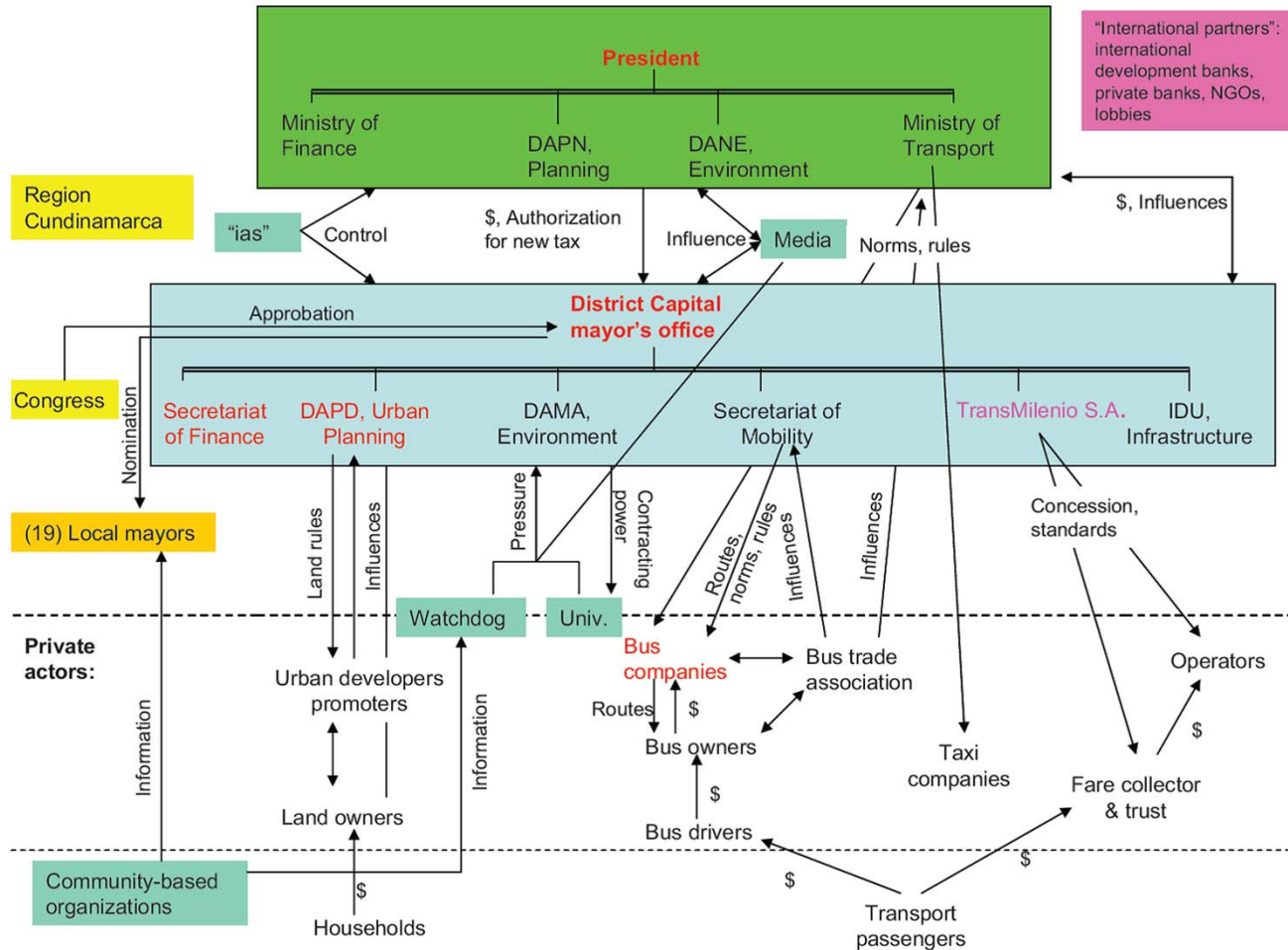
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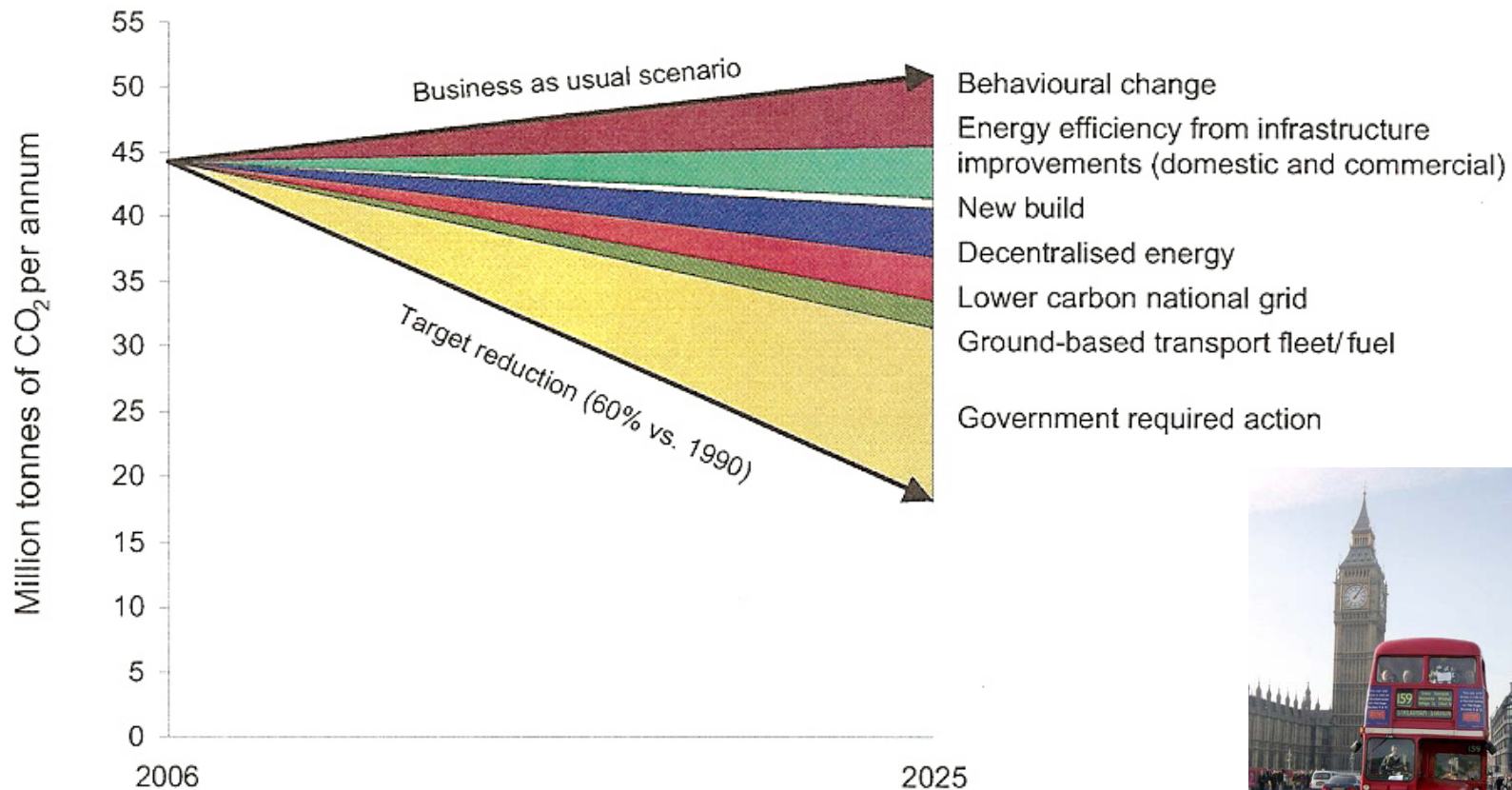
Stakeholders Map & distribution of capacity to act



Stakeholders Map & distribution of capacity to act

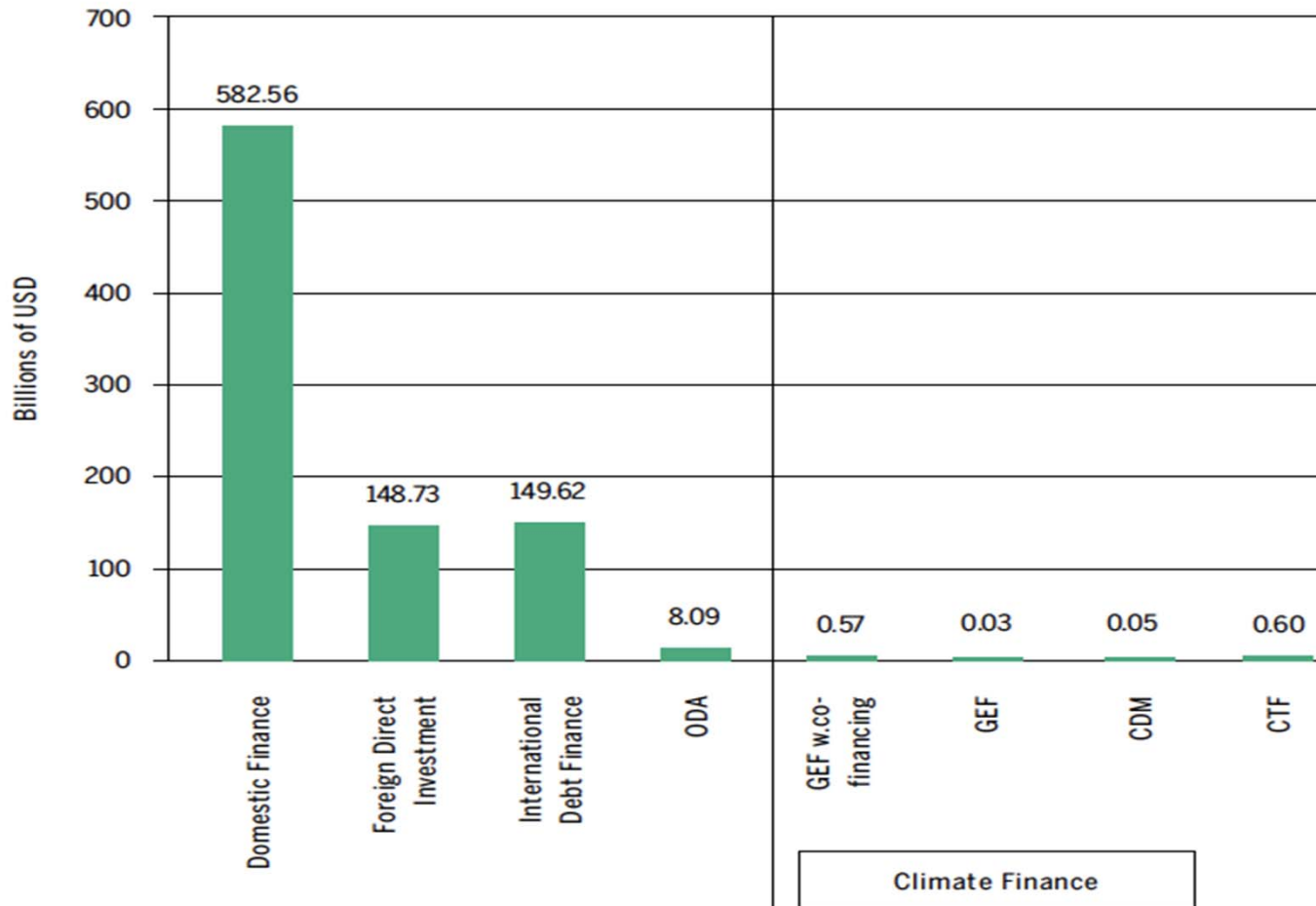


Wedge Analysis

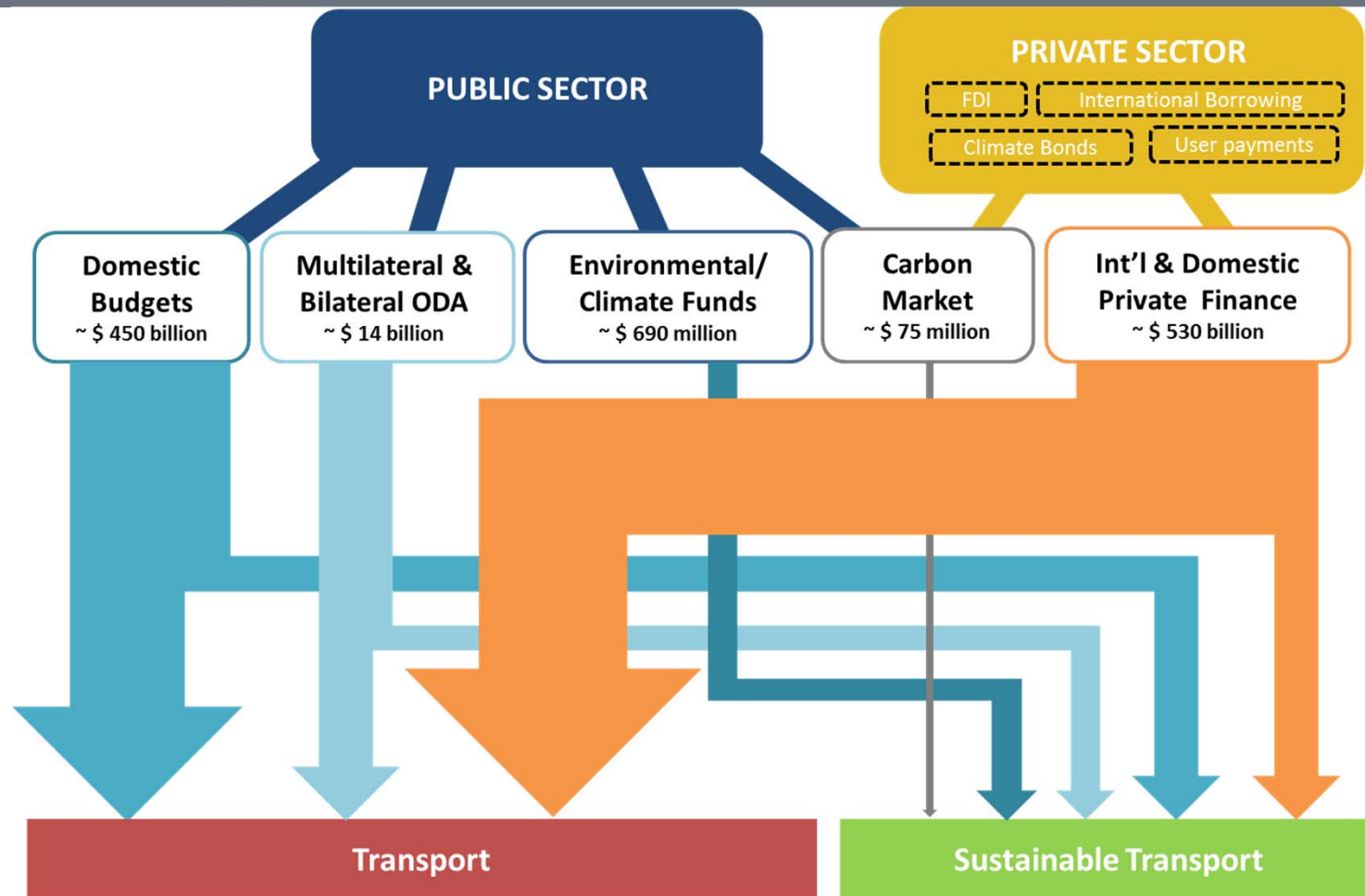


Accessing Climate Finance to Shift Current Financial Flows

Annual Global Transport Investment by Source

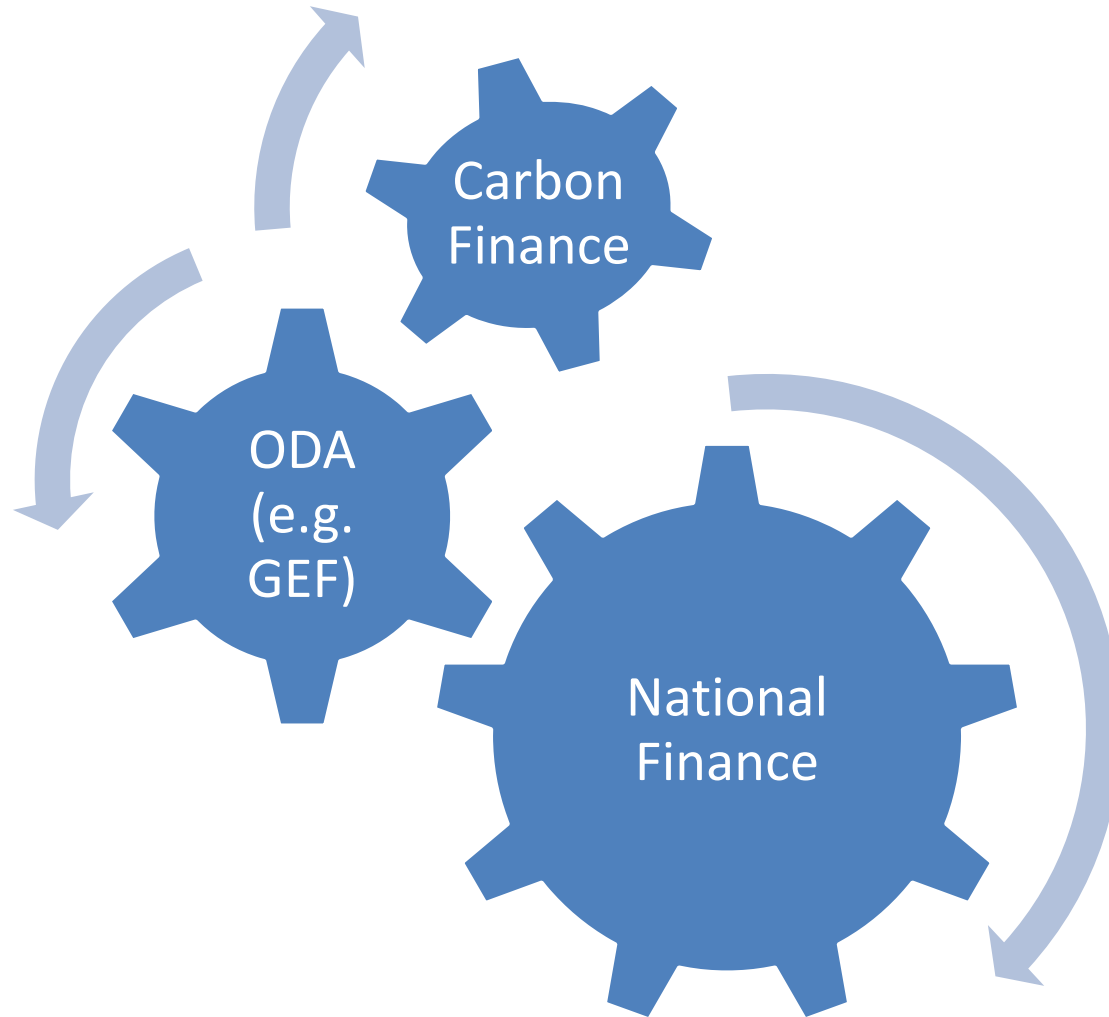


Sources of Global Transport Spending (2012)



Sources: WRI; OECD CRS, 2010; CPI, 2012; UNFCCC, 2007; IMF GFS, 2011; OECD Stat.

Carbon finance as an incentive not as a silver bullet!



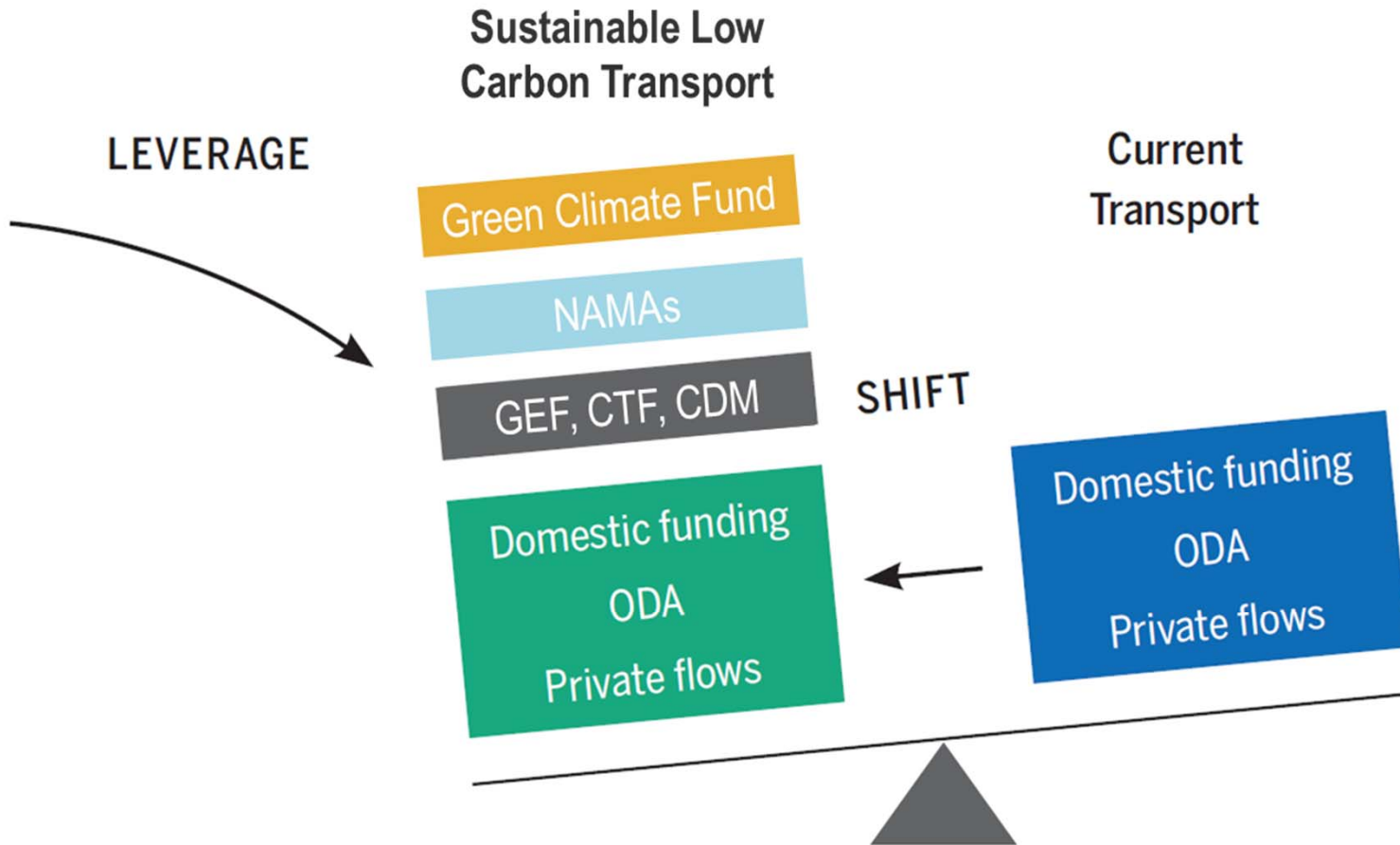


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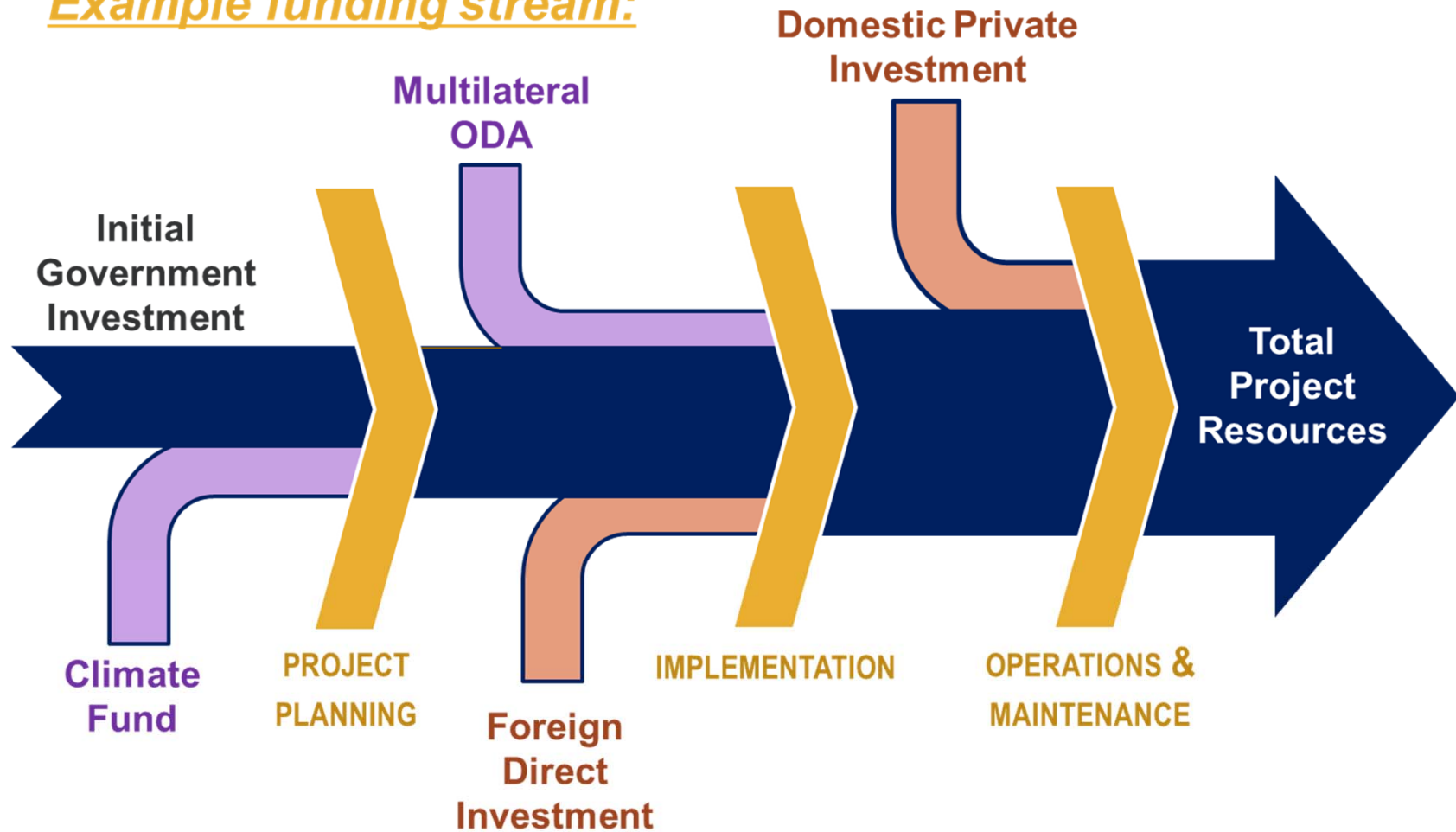
| Name | Acronym | Year Created | Admin | Total Spending | Total Spent on Transport | Proportion |
|--|---------|--------------|-------|----------------|--------------------------|------------|
| MULTILATERAL | | | | | | |
| Global Environment Facility | GEF | 1991 | WB | \$4.5 billion | \$292.5 million | 6.5% |
| Clean Technology Fund | CTF | 2008 | WB | \$2.3 billion | \$361 million | 15.7% |
| Global Climate Change Alliance | GCCA | 2007 | EC | \$368 million | \$10 million | 2.7% |
| IDB Sustainable Energy and Climate Change Initiative | SECCI | 2007 | IDB | \$58.7 million | \$5.2 million | 8.9% |
| ADB Climate Change Fund | CCF | 2008 | ADB | \$43.3 million | Unknown | Unknown |
| ADB Clean Energy Fund (Partnership Facility) | CEF(PF) | 2007 | ADB | \$72.3 million | \$900,000* | 1.2% |
| Partnership for Market Readiness | PRM | 2012 | WB | \$5.25 million | Unknown | Unknown |
| BILATERAL | | | | | | |
| International Climate Initiative | ICI | 2008 | BMU | \$1.06 billion | \$20.49 million | 1.2% |
| Japan Fast Start Fund Initiative | n/a | 2009 | JICA | \$13.2 billion | Unknown | Unknown |

**Estimated*

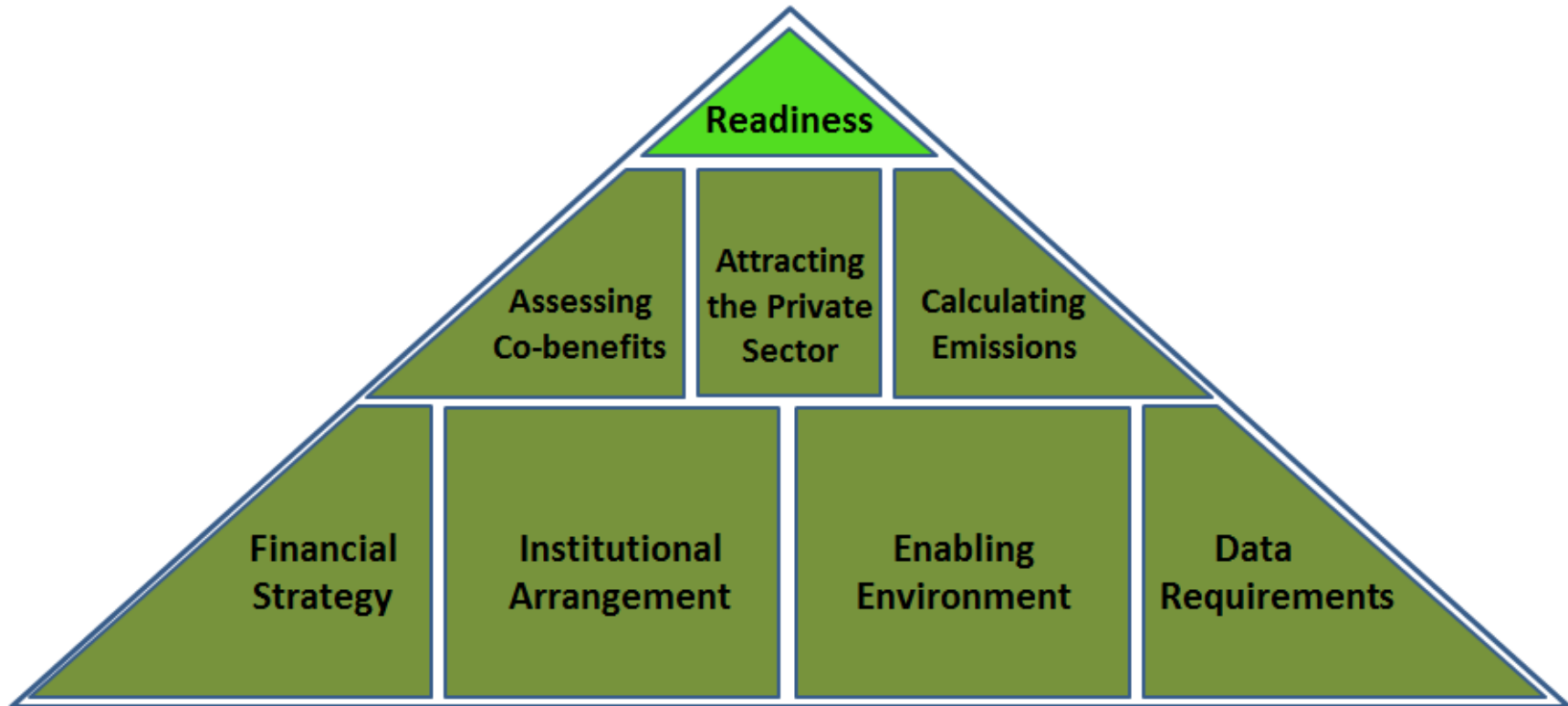
The Big Picture



Example funding stream:



Seven Components of Readiness









Five Most Important Readiness Actions

- **Attract the private market**
- **Focus on institutional capacity**
- **Plan early and upstream**
- **Develop a financial strategy**
- **Gather good data**

- **Transport is a key part of sustainable & low-carbon development strategies**
- **Low-carbon transport planning & financing**
- **Tools exist**
- **Accessing climate finance to shift current financial flows**

| Website | Speaker | Secretariat |
|---|---|---|
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