The need for sustainable, low carbon transport policies to accelerate sustainable development

Cornie Huizenga, Joint Convener Partnership on Sustainable Low Carbon Transport

UNFCCC event
14 November, 2013
Warsaw, Poland
Part 1

WHAT IS THE PROBLEM
Transport accounts for nearly a quarter of global energy use

Total transport energy use and carbon emissions are projected to grow 80 percent from 2002 levels by 2030.

City Specific data are problematic, but city related GHGs are substantial
By 2015 Non-OECD will overtake OECD in vehicle market, much of this in cities
Freight is also a key area of concern
**THE COST OF ROAD CRASHES**

<table>
<thead>
<tr>
<th>Income Group</th>
<th>Fatalities</th>
<th>Economic Cost</th>
<th>% of GDP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low</td>
<td>135,000</td>
<td>US$ 23 billion</td>
<td>4%</td>
</tr>
<tr>
<td>Low-Middle</td>
<td>480,000</td>
<td>US$ 242 billion</td>
<td>5%</td>
</tr>
<tr>
<td>Upper-Middle</td>
<td>520,000</td>
<td>US$ 1,030 billion</td>
<td>5%</td>
</tr>
<tr>
<td>High</td>
<td>95,000</td>
<td>US$ 945 billion</td>
<td>2%</td>
</tr>
<tr>
<td>TOTAL</td>
<td>1,230,000</td>
<td>US$ 2,240 billion</td>
<td>3%</td>
</tr>
</tbody>
</table>

*Source: Global Status Report (WHO, 2013)*

**Associated Problems**

- Traffic Congestion
- Air Pollution
- Black Carbon

**Road Safety**

*Source: McMahon, Dahdah 2008*
Part 2

What can be done ... and by whom
Paradigm shift on development of Transport

Road safety: 1.3 million deaths
Air Pollution: 3 million deaths (large part transport)
Climate change - transport: GHG fast growing
Congestion
Access not inclusive - large groups no access (urban and rural)

Negative externalities of old paradigm: 6-10% of GDP

Access: (Avoid + Shift + Improve)

Expand/Improve Transport infrastructure and services
Avoid unnecessary motorized transport
Shift Transport to most effective mode (people and goods)
Improve environmental performance transport

Then
Now
Avoid: Travel Demand Management

Cities in the Lead

- Vehicle quota’s in Singapore, Shanghai, Beijing, Guangzhou
- Congestion charging in Singapore, London, Stockholm, Milan
Shift: Bus Rapid Transit

Cities in the Lead: Enabling National Policies and Financing in Certain Countries
Shift: Public Bike Schemes

Wuhan – China
Largest Public Bike Scheme in the world – 94,000 bikes
Electric 4-wheelers - no global leader

Improve: Electric Vehicles

Private Sector In the Lead

Electric 2-wheelers now - China, Asia
All Components of Avoid, Shift and Improve have been tested at scale both in developed and developing world.
Part 3

WHAT IS THE POTENTIAL IMPACT ON GHG EMISSIONS
All Sectors are important to realize mitigation ambition
OECD countries absolute reductions

Different Reduction Pathways
Transport GHGs OECD – Non-OECD

Non-OECD countries reductions compared to BAU

Source: IEA Energy Technology Perspectives (ETP) 2012
Improving Access (Infrastructure + services for all modes) through Avoid-Shift-Improve

IEA: A-S-I based approach can save $50 Trillion by 2050 because of reduced vehicle/fuel cost – infrastructure – operating costs

- Improve road safety
- Reduce air pollution
- Emit few GHGs
- LessCongestion
- Jobs
Part 4

INTERNATIONAL INITIATIVES
Integrated Global Road Map for Sustainable, Low Carbon Transport

Secretary General Ban Ki-Moon

Action Agenda 2012 - 2017

Post 2015 Sustainable Development Framework

Post 2020 Climate Change Regime

Ad hoc Working Group on the Durban Platform for Enhanced Action

Energy
Food & Nutrition
Water
Oceans
Transport
Antartica

TWG on SG action plan on sustainable transport

Convening Mechanism Sustainable Transport

30 Country UNGA Open Working Group on SDGs

Outcome document: “The Future We Want” (Sustainable Transport)

UN Task Team on Post 2015 Agenda

26 member High Level Panel on Post 2015 Development Agenda

“UN Friends Group Sustainable Transport”
Universal Access to Safe, Clean and Affordable Transport for All

- Urban households are able to access jobs, goods and services within 30 minutes by public transport and/or walking and cycling and rural households have access to all weather roads;

- Traffic related deaths are cut in half by 2025 with an ultimate vision of near zero fatalities;

- Air pollution from passenger and freight transport is halved by 2025 and GHG emissions from transport peak globally latest by 2020 with an ultimate vision of 40-60% reductions by 2050 compared to 2005 levels.
SLoCaT’s Role in Promoting Sustainable Low Carbon Transport

Universal Access to Clean, Safe and Affordable Transport

Sustainable Transport Policy
- Sustainable Development Policy Processes:
  - SG Post 2015 Global Development Agenda
  - Rio+20 Follow-up (SDGs)

Sustainable Transport Finance
- Climate Change Policy Processes:
  - Implementation
    - AWG-LCA
    - AWG-ADP (Durban Platform)
    - GEF 6

Sustainable Transport Programs and Projects
- Regional EST Forums:
  - Asia
  - Africa
  - Latin America

SLoCaT Members

80+

“The SLoCaT network is a model for other action networks because of its strategic vision and leadership that resulted in the major commitments on sustainable transportation at Rio+20” – Stakeholder Forum and NRDC 2013 review of Rio+20 Voluntary Commitments
15 Sustainable Transport voluntary commitments on knowledge, capacity, policy and financing: $175,000,000,000, for more sustainable transport over next 10 years.

Bike ride in support of sustainable, low carbon transport. June 8, 2012
<table>
<thead>
<tr>
<th>Initiative</th>
</tr>
</thead>
<tbody>
<tr>
<td>Global Fuel Economy Initiative</td>
</tr>
<tr>
<td>Partnership on Clean Fuels and Vehicles</td>
</tr>
<tr>
<td>Green Freight Asia + Smart Freight Center</td>
</tr>
<tr>
<td>Global Cycling Alliance</td>
</tr>
<tr>
<td>World Business Council on Sustainable Development</td>
</tr>
<tr>
<td>Resilient Cities Initiative</td>
</tr>
</tbody>
</table>

There are multiple other, multi-stakeholder initial initiatives open to Cities on Transport.
Rethink Transport and Climate Change
@Transport Day 2013

17 November 2013
Hyatt Regency Hotel
Warsaw, Poland
www.transportday.org

Organized by:

Bridging the gap
Pathways for Transport in the Post 2012 Process

Supported by:

[Logos of various organizations]
“We need to change the way we plan our cities, the way we move goods and ourselves”

SG Ban Ki-moon, October 2013

Contact:

Cornie Huizenga  cornie.huizenga@slocatpartnership.org

For additional information see http://www.slocat.net