Public Transport and Sustainable Development

Heather Allen
Sustainable Development Manager
UITP - the International Association of Public Transport

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The International Association of Public Transport

NETWORK - 2500 members representing all mobility actors
FORUM – Themed events, World Congress
AVOCATE – International advocate for better mobility worldwide
REFERENCE – Centre of Knowledge for the sector

Transport and the City

Cities need good, efficient transport to be successful, productive, healthy and pleasant to live in.
Citizens need good mobility to lead full and active lives.
What is Sustainable Mobility?

Meeting people’s needs for access to markets, employment, education, and giving every citizen the right to access to essential services.

What is Sustainable Mobility?

Without making excessive emissions.

**Without using excessive energy.**

Without using excessive space

**WITHOUT DAMAGING THE ENVIRONMENT**
Challenges for cities

Threatened quality of life and economic vitality of urban areas.
Excessive, unrestricted car use has a negative effect on our communities.
The key forces are:
- Urban Sprawl
- Increased congestion
- Reduction in productivity of people and the performance of public services
- Rising costs and the transparency of funding.
- Widening the poverty gap

Modal choice & transport cost

Megatrends
Socioeconomic trends are diminishing the relevance of traditional public transport services. Societies are changing towards:
- Increased individual and less communal living;
- General realignment or even a breaking up of accepted family/group/ or tribal structures;
- More complex work, and leisure patterns;
- A strong media influence and a growing ‘enjoy now – pay later’ culture.
Modern consumers are "Hedonistic Idealists"

They live with a paradox:

I'd like to end poverty, stop violence and racism, and get rid of pollution. Everyone should be equal.

I want to dress in the nicest clothes, drive a great car, talk on the latest mobile phone, and watch my brand new DVD.

In one short decade, Americans have radically altered the symbols they associate with success and accomplishment...

(Percent Change 1987-1996)

- 54% Wearing designer clothes
- 48% Shopping at prestigious stores
- 47% Staying at luxury hotels
- 43% Owning an expensive car
- 41% Owning a prestigious credit card
So what do they do about it?

They don’t know what else they can do???

Total External costs of Transport
Million €/yr

<table>
<thead>
<tr>
<th></th>
<th>Total</th>
<th>%</th>
<th>Car</th>
<th>Bus</th>
<th>MC</th>
<th>Passenger</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accidents</td>
<td>156 439</td>
<td>24</td>
<td>114</td>
<td>191</td>
<td>985</td>
<td>21 238</td>
<td>136 394</td>
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<tr>
<td>Noise</td>
<td>45 844</td>
<td></td>
<td>114</td>
<td>191</td>
<td>985</td>
<td>21 238</td>
<td>136 394</td>
</tr>
<tr>
<td>Air Pollution</td>
<td>174 617</td>
<td>27</td>
<td>46</td>
<td>721</td>
<td>8290</td>
<td>433</td>
<td>55 444</td>
</tr>
<tr>
<td>Climate Change</td>
<td>195 714</td>
<td>30</td>
<td>64</td>
<td>812</td>
<td>3341</td>
<td>1319</td>
<td>69 472</td>
</tr>
</tbody>
</table>


• Results show that 78% of all external costs come from road transport (passenger and freight)
• Accidents, pollution and congestion costs represent 560 bio or 1200€ per capita for EU 17.

The Economic Case:
The Cost of Transport to the Community

Density, Modal Choice and Cost of Urban Public Transport

<table>
<thead>
<tr>
<th>Cities</th>
<th>Density (inhab/ha)</th>
<th>Modal split (walking + cycling + PT)</th>
<th>Cost of Urban Transport (% GDP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Houston</td>
<td>9</td>
<td>4.5 %</td>
<td>14.0 %</td>
</tr>
<tr>
<td>New York</td>
<td>19</td>
<td>25 %</td>
<td>9.4 %</td>
</tr>
<tr>
<td>Paris</td>
<td>48</td>
<td>56 %</td>
<td>6.8 %</td>
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<tr>
<td>Munich</td>
<td>56</td>
<td>60 %</td>
<td>5.8 %</td>
</tr>
<tr>
<td>Singapore</td>
<td>94</td>
<td>47 %</td>
<td>4.7 %</td>
</tr>
<tr>
<td>Bangkok</td>
<td>130</td>
<td>54 %</td>
<td>13.4 %</td>
</tr>
<tr>
<td>Shanghai</td>
<td>196</td>
<td>93 %</td>
<td>5.5 %</td>
</tr>
<tr>
<td>Hong Kong</td>
<td>320</td>
<td>82 %</td>
<td>5.0 %</td>
</tr>
</tbody>
</table>
Increase awareness on the direct link of public transport with the environment

UITP jointly with UNEP will jointly roll out a first international TV awareness raising campaign

1. Launch to coincide with launch of Kyoto Protocol coming into force
2. 100 x 30 second animations with the central theme

The world is your home - Take care of it!

3. Let's make the links better

The world is your home - Take care of it!

349 mio people in Europe will have the occasion to see it

Produced in English, Spanish, French & German

Shown on EuroNews, CNN, CNBC, Bloomberg, The Discovery Channel and National Geographic

Our first steps.......

Let's make the links better
Are we crazy or are they crazy?
Better use of urban space

75 people are carried either by 60 cars.

Maybe before hydrogen ....

Congestion charging...
Integrates into the urban landscape
THANK YOU

heather.allen@uitp.com

Lets everybody lead a full and active life.
Reduces noise, accidents, pollution.
Gives mobility to all.
Makes our cities more productive and better places to live in.

**Protects our future together**