Non-motorized transport

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Quality of life in cities is limited by emissions from diesel engines, dust and noise from motorized transport.
Impacts of Transport

Harmful emissions to health and biosphere:

- Micro-particulate matter $\text{PM}_{10}$, $\text{PM}_{2.5}$ (mutagenic, carcinogenic)
- Particulate matter - DUST
- Acidifying substances $\text{NO}_x$, $\text{SO}_x$
- Ozone precursors VOCs, $\text{NO}_x$, $\text{SO}_x$, $\text{NH}_3$
Impacts of Transport

• Benzene
• Aromatic polycyclic organic compounds
• Aldehydes
• Heavy metals
• Greenhouse gas emissions – CO₂
• Noise
• Accidents with people and animals
People are affected 10 TIMES MORE by negative impacts of emissions from transport than by harmful and fatal car accidents.

It is a big reason to support non-motorized transport...
30% inhabitants ≤ 3 km
50% inhabitants ≤ 5 km
Low safety of cyclists in city traffic limits massive use of cycling as a transport mode.
Solution

Construction of safe cycling paths
Solution

Greenways in cities
METHODOLOGY: ALL ABOUT CYCLING

THE PEP WORKSHOP ON
Safe and Healthy Walking and Cycling in Urban Areas
24-25 September 2009, Pruhonice-Prague, Czech Republic

The Workshop is organized in the framework of the
Transport, Health and Environment Pan-European Programme (THE PEP)
in cooperation with the Czech Republic
Ministry of the Environment, Ministry of Transport, Ministry of Regional Development,
Ministry of Health, City of Prague and non-governmental organizations
City-bikes
Bicycles for business provided by offices
Electric and folding bikes

Room for advancement and innovation...
Public presentations
Looking for the best cycling infrastructure network in cities
The support of the State Transport Infrastructure Fund for construction of cycle paths

The 242 cycle paths were supported in years 2001 – 2008 of 671,731 million CZK
MAKING THE LINK:
ACTION POINTS FOR POLICYMAKERS, INDUSTRY AND CIVIL SOCIETY

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Walking and cycling is an integral part of transport and urban development planning and policy. Non-motorized transport contributes to individual fitness and public health.
Non-motorized transport reduces traffic accidents and congestion, noise and air pollution. Non-motorized transport increases attractiveness of city centers.
Cycling and walking infrastructure is focused on increasing safety and eliminating barriers to cycling and walking in urban areas, including for children, the elderly and those with reduced mobility. It must be

SAFE
ACCESSIBLE
CONVENIENT
COMFORTABLE
ATTRACTIVE
Near future...
Thank you for your attention