



Directorate-General
for Energy
and Transport

Commission Communication

**A sustainable future for transport:
Towards an integrated, technology-
led and user friendly system**



EUROPEAN
COMMISSION

DG TREN A1
17 June 2009

Aims of the Communication

White paper 2001 had a 10-year programme, it is time to look ahead:

- Identify trends and challenges
- Define a general strategy for sustainability
- Consult stakeholders
- ...It is not yet the new White Paper!



Structure of the Communication

- Evaluation of past policies (Ch. 2)
- Trends and challenges (Ch. 3)
- Objectives (Ch. 4)
- Instruments (Ch. 5)



The Communication can be downloaded at:

http://ec.europa.eu/transport/strategies/doc/2009_future_of_transport/2009_comm_future_of_transport_policy_en.pdf

Evaluation of past policies

- **Economic** aspects
(Market opening, TEN-T)
- **Social** aspects
(Safety, Security, Working Time, Training, Passengers' Rights, *Accidents*)
- **Environmental** aspects
(Local pollution, *GHGs emissions*)

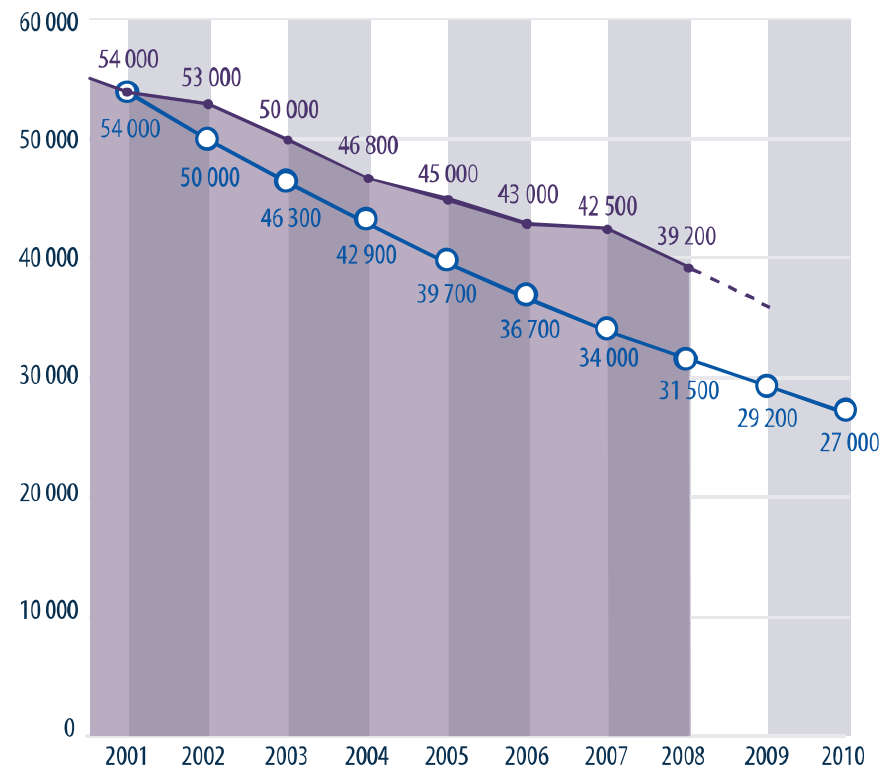
Road safety

- Road safety has become a social challenge throughout Europe as well as worldwide.

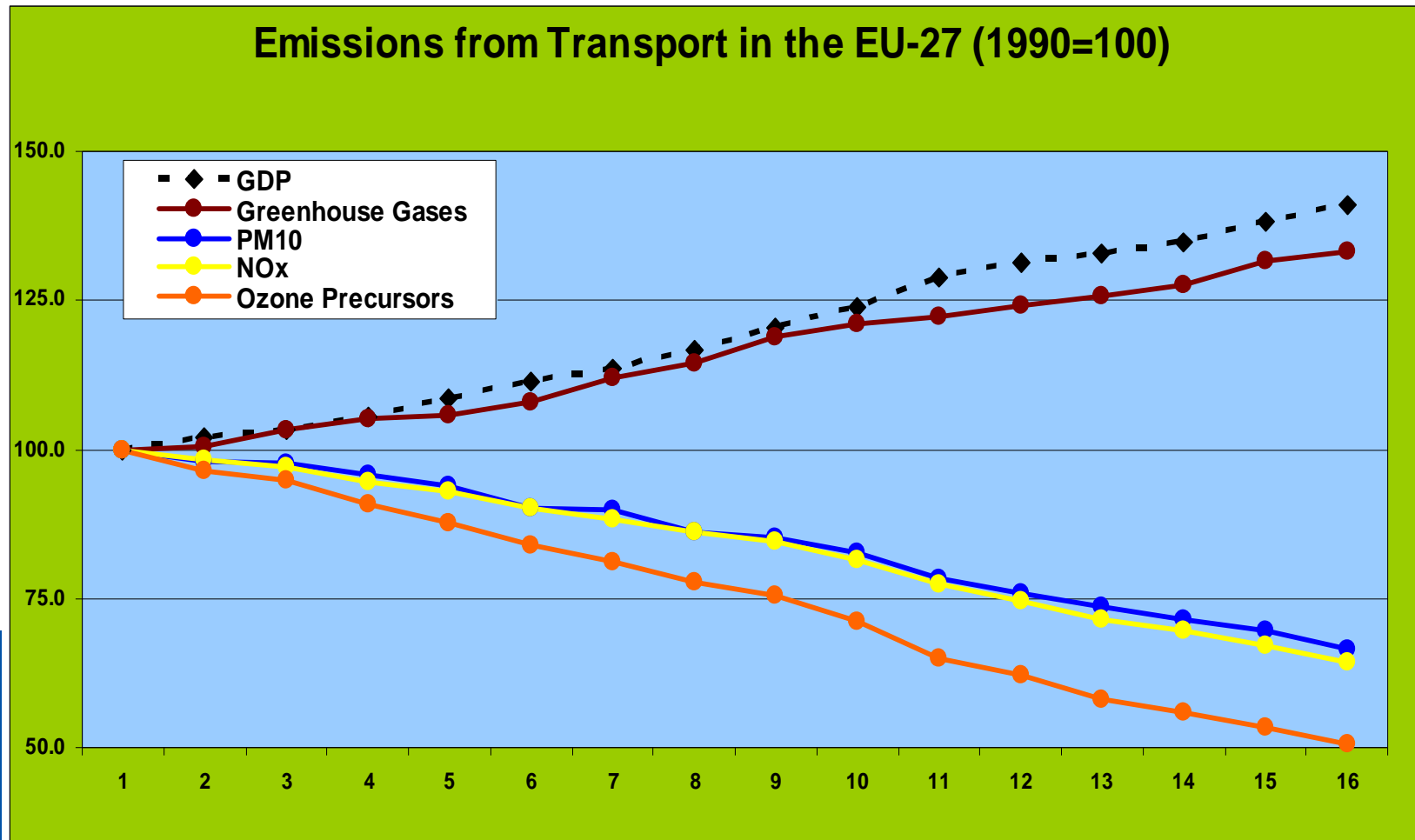
○ Target
● Fatalities

The objective of the European Union is to halve the number of fatalities on European roads by 2010.

Road fatalities per year in the EU since 2001:



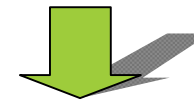
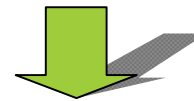
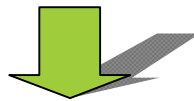
Decoupling from negative effects



Emissions breakdown

Emissions from transport grow more than in other sectors: what's behind and what can be done?

$$\text{Total Emissions} = \text{Output} * \frac{\text{Energy}}{\text{Output}} * \frac{\text{Emissions}}{\text{Energy}}$$



Level of activity

Energy intensity

GHG intensity

Demand Management
(Virtual) Accessibility
Land planning

Exploit strengths of each mode
Network optimisation
Efficient vehicles

Switch to cleaner fuels



Trends and challenges

- Aging (public funds, skills' shortage, preferences)
- Migration and internal mobility (connections)
- Environmental challenges (emissions)
- Increasing scarcity of fossil fuels (dearer-dirtier)
- Urbanisation ('the last mile' issue)
- World trends (need for global solutions)

Trends in society, challenges for transport

30

% of people will be aged 65 or more in the EU by 2060

9

billion global population by 2050

80

% reduction in GHG emissions of developed countries by 2050

97

% dependence of transport on fossil fuels & increasing scarcity

84

% of Europeans will live in urban areas in 2050

Policy objectives

- Safe, secure and high quality transport
- Well maintained and integrated network
- More environmentally sustainable transport
- Leading in transport services and technologies
- Developing the human capital
- Smart prices
- Sound planning

Three priorities

People



Integration



Technology



Policy instruments

- Infrastructure policy: which priorities?



Integrate the networks

Plan globally

Invest in intermodal platforms

Promote market opening

Connect to neighbouring regions

Policy instruments

- Infrastructure policy: which priorities?
- Pricing and funding: internalisation

Why internalisation is important?

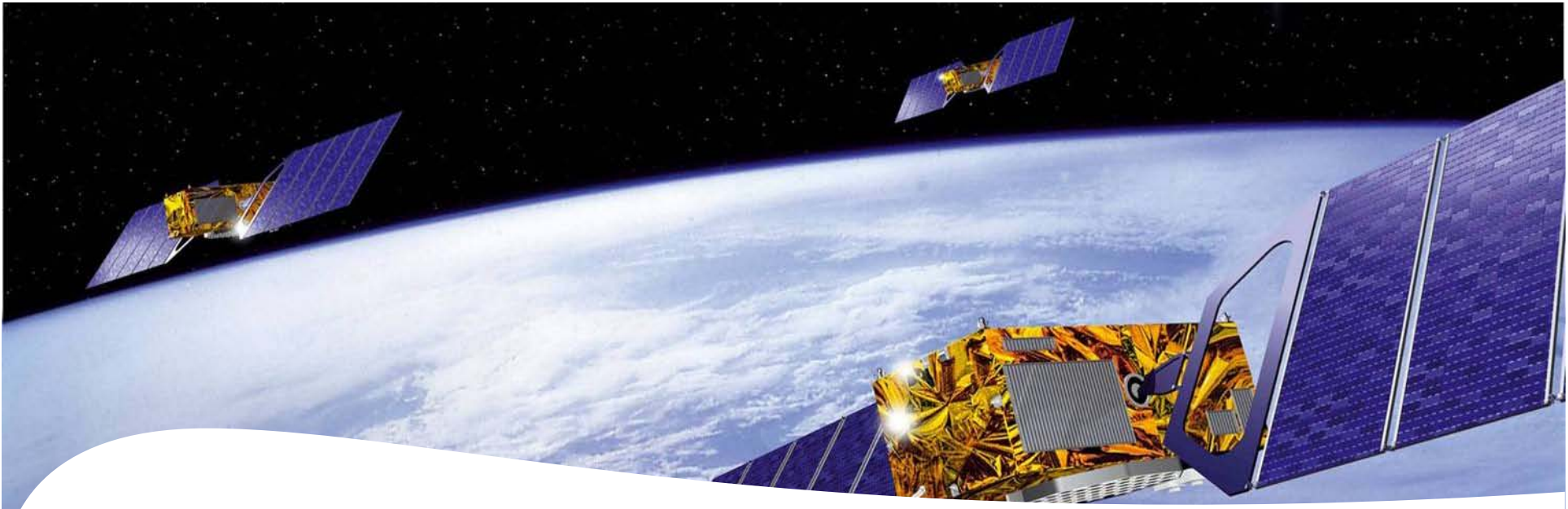
- Take into account all externalities and provide fairer comparison with other sectors
- Give incentives to 'right' behaviour
- Sort out complex arbitrages
- Promote the 'right' technologies
- Provide signals for investments
- Collect resources for better transport

...and it would have to be done anyway!

(revenues from excise duties will decline with new energy sources)

Policy instruments

- Infrastructure policy: which priorities?
- Pricing and funding: internalisation
- Technology: development and adoption



Technology: key to a sustainable future

Information technology

Vehicle technology

**Standards,
Interoperability,
Comparative
tests,
Demonstration
projects, Legal
framework**

Policy instruments

- Infrastructure policy: which priorities?
- Pricing and funding: internalisation
- Technology policy: standards and demonstration
- Legislation: harmonisation and market opening
- Information, training and education

User friendly transport



Safety

Comfort

&

Quality

Security

Accessibility

Policy instruments

- Infrastructure policy: which priorities?
- Pricing and funding: internalisation
- Technology policy: standards and demonstration
- Legislation: harmonisation and market opening
- Information, training and education
- Governance: the urban dimension
- External policy: global action and neighbouring policy

Thank you for your attention!

A man and a woman are riding red bicycles on a scenic path. The woman is on the left, wearing a blue tank top and white pants, and the man is on the right, wearing a grey t-shirt and black shorts. They are both wearing helmets. The background shows a lake and mountains under a cloudy sky.

Comments by 30 September to
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