ECMT-USDOT WORKSHOP ON
FOSTERING SUCCESSFUL IMPLEMENTATION
OF SUSTAINABLE URBAN TRAVEL POLICIES

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European Policy on Alternative Motor Fuels

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• Reduce energy consumption, increase market share of renewable energies, assess role of nuclear power, increase strategic fuel stocks (oil and extended to gas)

• Substitute 20% by 2020 of road transport fuels by alternative fuels (bio-fuels, Natural Gas, Hydrogen)
EU Strategy on Alternative Motor Fuels

• COM (2001) 547 Communication from the Commission on Alternative Motor Fuels for Road Transport

• Directive on the promotion of the use of biofuels for transport

• Directive regarding the possibility of applying a reduced rate of excise duty on certain mineral oils containing biofuels and on biofuels
Communication on Alternative Motor Fuels

• **OBJECTIVE**  20% market penetration by 2020

• **POLICY DRIVERS**
  – Security of supply
  – Reducing greenhouse gas emissions

• Review current state various alternative fuels

• Conclusions based on volume potential (5% of market) within 20 years
Conclusions of Communication

- Biofuels: basis for rapid expansion: 2 directives
- Natural gas: need for further study of obstacles, particularly distribution networks and vehicle supply
- Hydrogen: need for further feasibility studies
- Other alternative fuels (LPG etc): continual monitoring

Contact Group established to advise on introduction of alternative fuels
20% by 2020 (indicative)
EU Strategy on Alternative Motor Fuels

THE CHALLENGE IS HUGE

• Radical changes in the fuel supply (production, distribution, storage and refuelling) and engine technology (including on board storage)

• Car performances

• Relatively cheap oil for the moment

• “Chicken and egg” problem
What do we do in practice?

• Research & Development
  Demonstration projects - two-fold approach
  → Sectoral approach by type of fuel: bio-fuels, natural gas, hydrogen
  → Integrated projects combining technology & transport policy measures (CIVITAS)

• Pilot projects (non technological projects)
A good example: CUTE - Clean Urban Transport for Europe

- A fleet of 27 Hydrogen powered buses
- Production, distribution and refuelling
- Mainly renewables as primary energy source