Alternative fuels and engines: the prospects

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ITF/IMTT Seminar on Innovation in Road Transport
2 October 2009, Lisbon
New energy sources

- Ethanol
- Biodiesel
- Natural Gas
- Bio Gas
- Electricity
- Hydrogen

New Propulsion Systems

- hybrid, electric, “plug in”
- fuel cells
Key issues… not always fully addressed

1. Why? Does it makes sense?
   - Reduces CO2 emissions?
   - Is security of supply addressed?
   - Reduces pollutant emissions?
   - Is it more efficient?

2. Is it available … at a competitive price?

3. Is there a refueling infrastructure available?

4. Is legislation ready?

5. Who pays?

6. Who wins?

Is it sustainable?
14:40 - 15:30 Further Interventions and Discussion

Alternative solutions for HGVs

• Rui TIMÓTEO (SCANIA): New generation of HGVs – how to meet the environmental goals

• Neville S. JACKSON (Ricardo PLC, professor): Low carbon technologies for heavy duty vehicles

• Staffan LUNDDGREN (VOLVO R&D): Volvo solutions for improving performance of HGVs

• Robert STÜSSI (European Association for Battery, hybrid and Fuel cell electric Vehicles): Past, present and future for electric vehicles

• Francisca DUARTE PACHECO (Ministry of Economy and Innovation, Portugal): The Electric Mobility Programme in Portugal

15:30- 16:00 Discussions / Concluding remarks by Chair
Thank you for your attention

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