

ETP 2010 Conference Working together on societal challenges

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Smaller footprints:

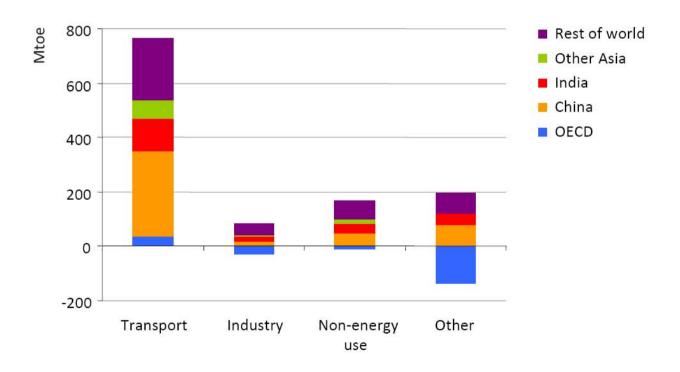
Decarbonisation of the transportation of passengers and goods



Decarbonisation of transport is a major societal challenge

TRANSPORT, **ENERGY** AND CO2 **Moving Toward** Sustainability

International Energy Agency: evolution of oil demand 2006-2030



Around three-quarters of the projected increase in oil demand comes from transportation



Decarbonisation of transport is a societal challenge

Needs:

- > Increase the energy efficiency of transport
- Decarbonise the transport energies
- > Increase the reliability of the transport system

Impacts:

- Climate change
- Energy security
- Air quality, Health
- Global competitiveness of EU industry

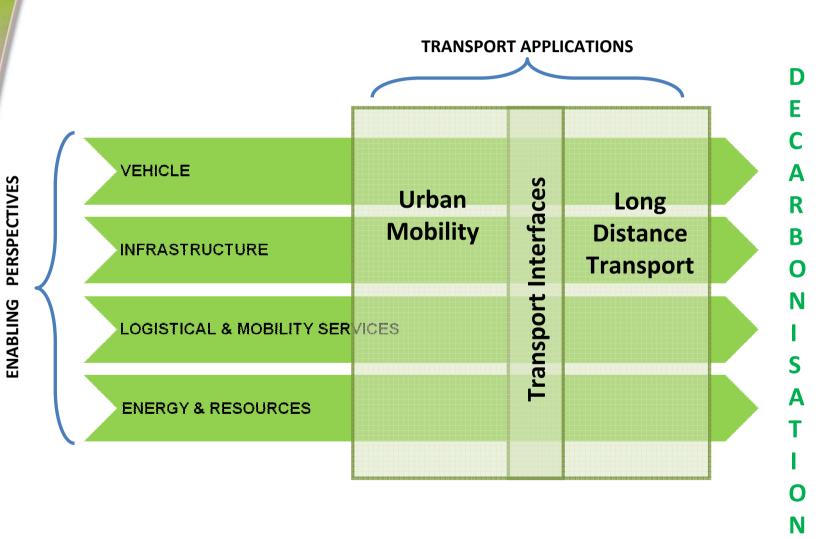


EUROPEAI

ROAD TRANSPO

ADVISORY

Decarbonisation of transport requests a system approach





European Technology Platforms are multi-stakeholders partnerships able to deliver a system approach





EUROPEAN ROAD TRANSPORT RESEARCH ADVISORY

Example of deliveries:

research and innovation priorities for decarbonisation of road transport

\	/ehicles	Infrastructure	Logistical and Mobility services	Energy and Resources
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Several priorities for decarbonisation requests a whole transport system view, implying cooperation between transport technology platforms.

Example of deliveries:

- Co-modality logistics
- Integrated information and services for the user
- Integrated networks management
- Cooperation and business models



Transport decarbonisation requests also cooperation beyond transport ETPs.

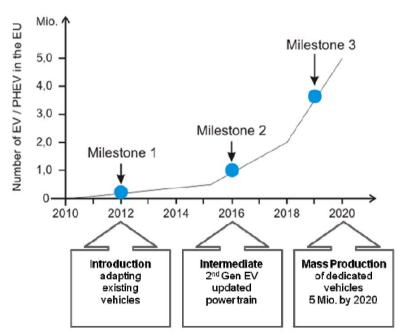
Example of electrification:

Cooperation between transport and energy sectors is crucial

Joint industrial Roadmap: Electrification of Road Transport

Key R&D topics:

- > Energy Storage Systems
- > Drive Train Technologies
- System Integration
- Grid Integration
- > Transport Systems
- Safety











Conclusions (1)

- EUROPEAN ROAD TRANSPORT RESEARCH ADVISORY COUNCIL
- Address R&D priorities shared by several ETPs
 - Co-modality topics for goods and passengers
 - Electrification of road transport
- Use specific instruments for key challenges like decarbonisation of transport
 - Public Private Partnerships
 - Simplified JTI's

Framework built for speed, effectiveness and efficiency

 Reflect the importance of the societal challenges by large scale and long-term instruments.



Conclusions (2)



- Keep in mind that transport decarbonisation is a societal challenge not only environmentally but also economically and socially, implying:
- Modification of industrial supply chains
- Transition of processes and manufacturing
- Evolution of skills and competences needed
 - Impact on EU global competitive position
 - Consequences on employment

➤ Need for innovation and market uptake policies:

- Improve R&D implementation towards innovation
- Set demand side measures by public authorities
- Ensure timely standardisation