



INTERNATIONAL ENERGY AGENCY

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Consideration on Environmentally Friendly Vehicles

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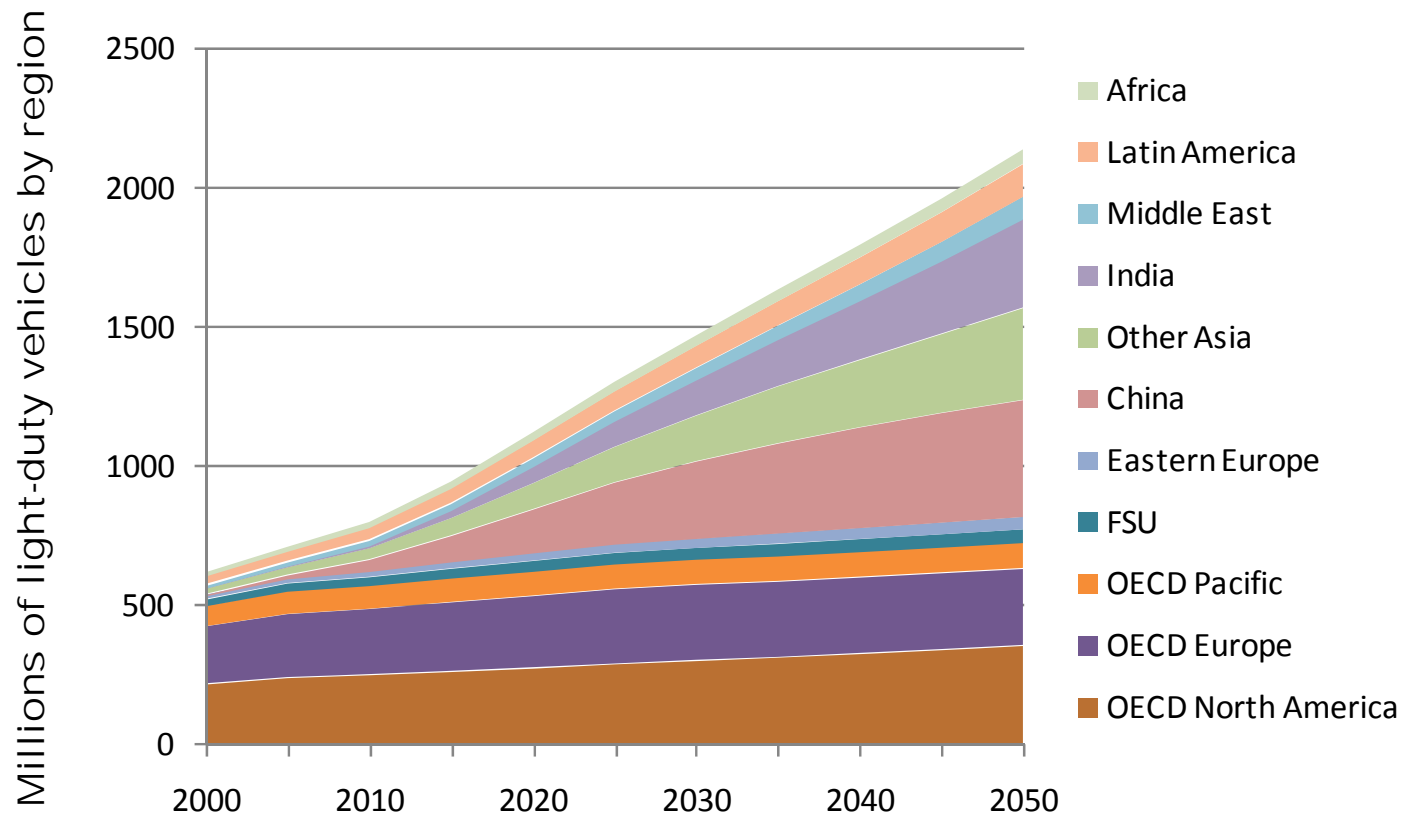
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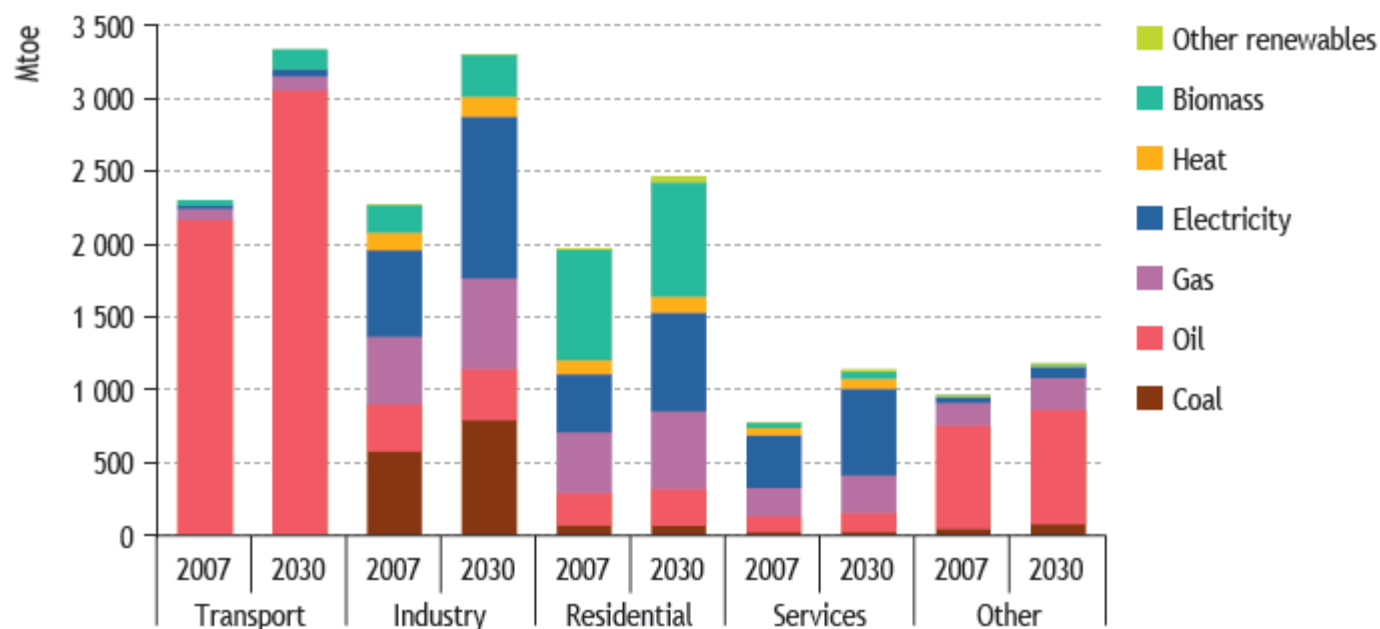
IEA LDV stock projections



Source: IEA Energy Technology Perspectives 2008

World LDV stock would reach over 2 billion by 2050

World final energy consumption by fuel and sector in the IEA Reference Scenario



Source: IEA World Energy Outlook 2009

Strong growth of energy consumption is foreseen if no further measures are taken

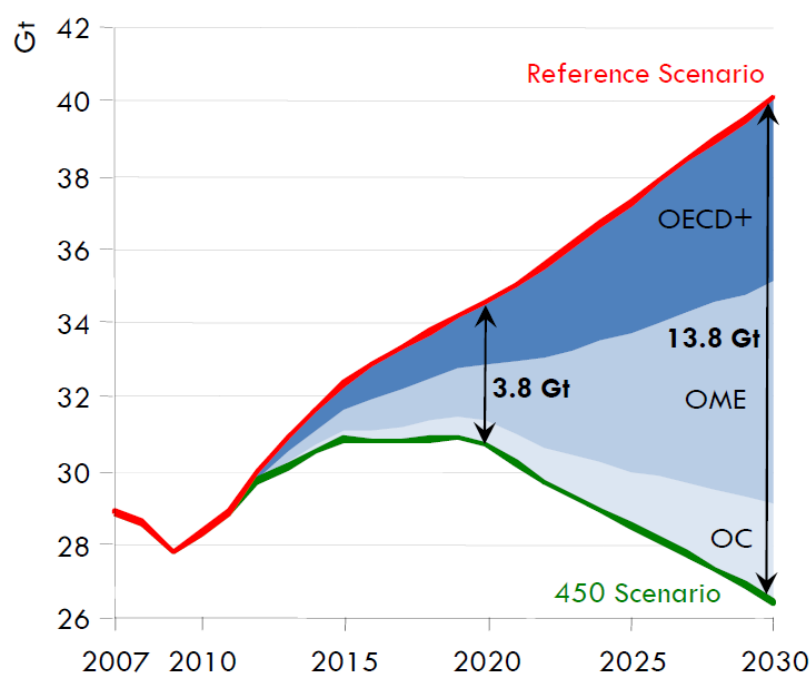


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World abatement of energy-related CO₂ emissions in the IEA 450 Scenario

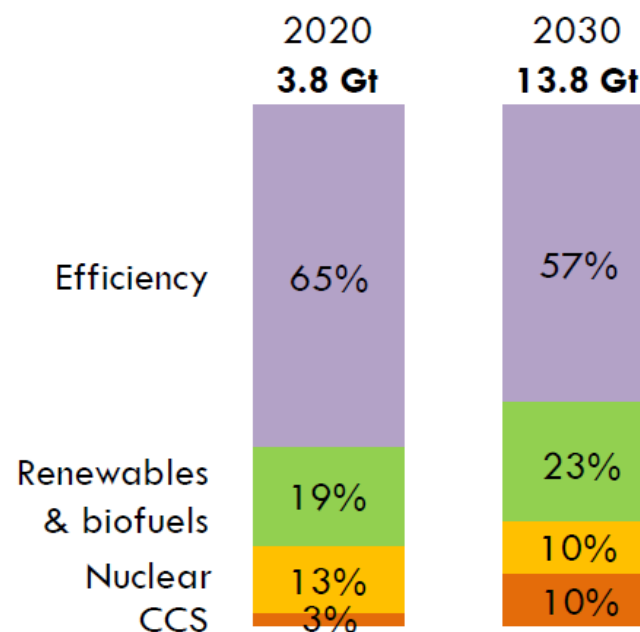
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Source: IEA World Energy Outlook 2009

World abatement by technology



Energy efficiency will play a key role in achieving the IEA 450 Scenario

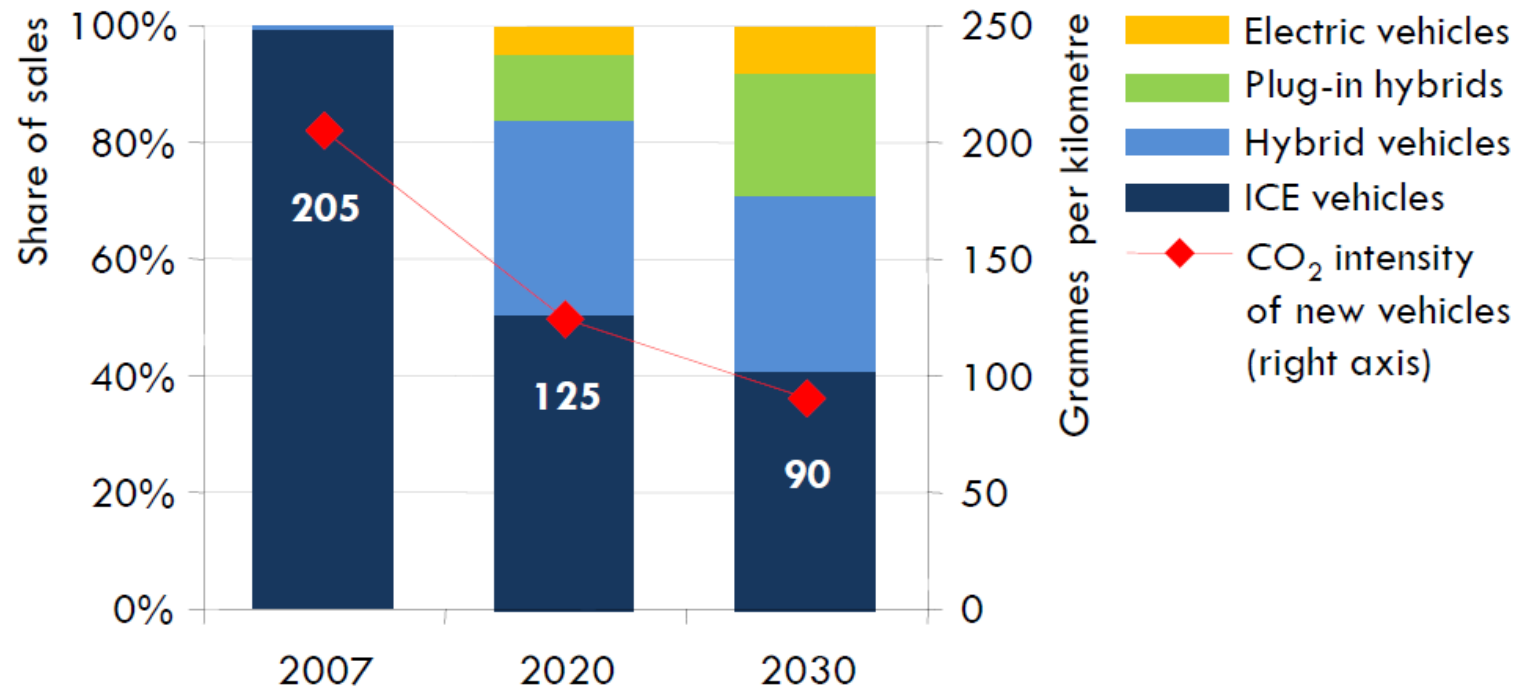


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World passenger vehicle sales & average new vehicle CO₂ intensity in the IEA 450 Scenario

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Source: IEA World Energy Outlook 2009

The IEA 450 Scenario estimates deployment of next-generation vehicles through 2030



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How to achieve significant CO₂ reduction in road transport?

- **Improve vehicle fuel efficiency through fuel economy standards**
 - But, it is outside of EFV scope...
- **Motivate consumers and manufacturers to shift more efficient & cleaner vehicles**
 - Vehicle taxation, incentive schemes
 - Labelling
 - Differentiated road pricing, ...
- **EFV could help in these regards**

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Ideas for EFV concept

■ Use of “Existing Schemes”

- Interaction with standards for fuel economy, local pollutants and noise

■ Use of “Same Measure”

- Harmonization of EFV definition as much as possible
- Regional/National adaptation would be needed
- WLTP and other GTRs would be good bases

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And some more...

■ Promotion of Eco-driving

- Driving behavior
- Vehicle maintenance (tyre pressure)
- In-car feedback instruments (fuel consumption indicator, GSI, ...)

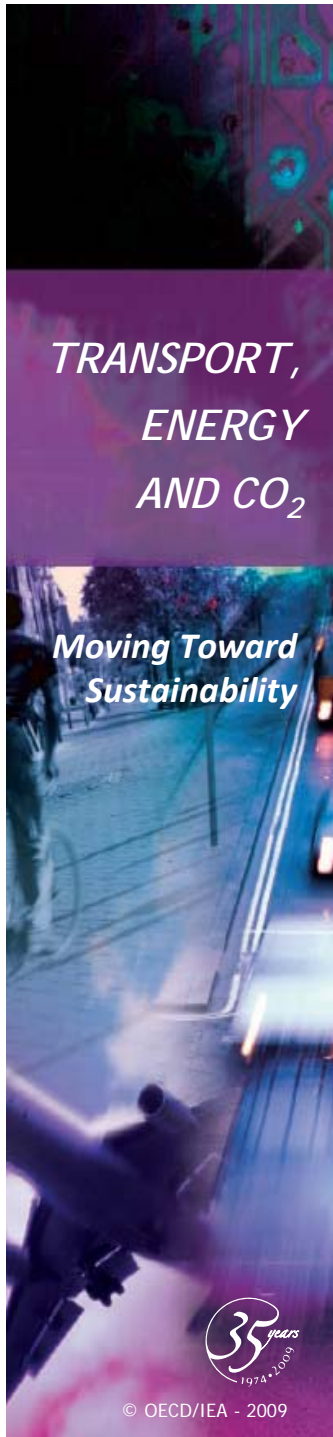
■ Raise consumers awareness

- Labelling
- Information campaign

■ Encourage deployment of next-generation vehicles

- Financial incentives for highly efficient vehicles (EV, PHEV, FCV, ...)

➤ Best practices of those could be shared



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Thank you!

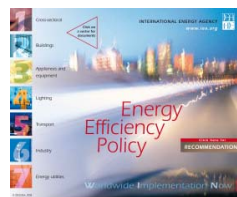
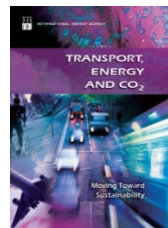
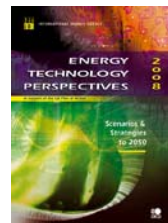
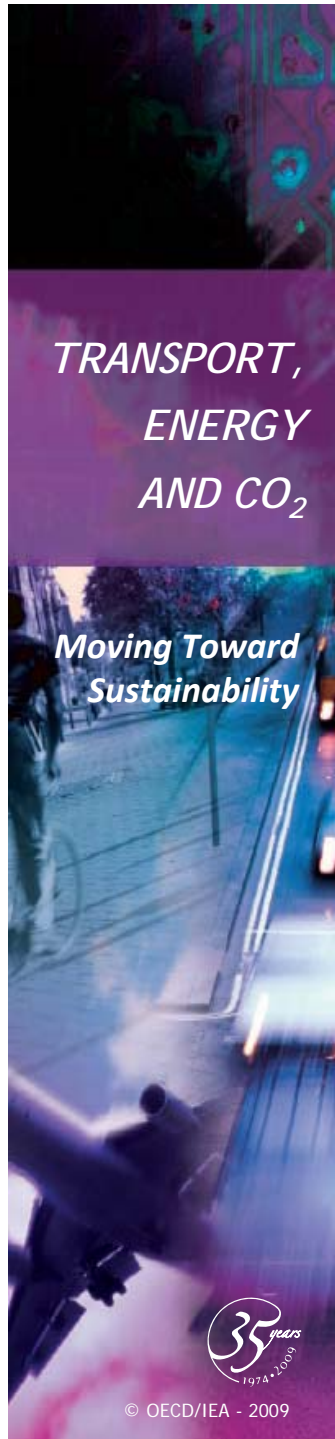


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