Decarbonising transport

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Technology

- Repowering transport: electromobility, biofuels
- Energy efficiency: vehicle performance and vehicle use
- Automation: beyond transport technology
- Non-transport technologies
  - IoT, Big data
  - Nanotech, 3D printing
  - Virtual & augmented reality
- R&I challenges
  - Incremental Vs disruptive technological progress
  - Transition Vs “ultimate” technologies
  - Collaborative, interdisciplinary approach
People

• Shift in mobility paradigm
  • Modal switch (to soft modes, to collective transport)
  • Despeeding? (both passengers and goods)

• Sustainability awareness
  • Changing consumption models
  • Revisiting globalization (e.g. local sourcing...)

• From “technology acceptance” to “co-creation of solutions”
  • Citizens’ participation
  • Early engagement for RRI
Framework conditions (governance)

• Stringent internalisation (=> decoupling)
• Inter-sectoral policy synergies (energy, environment, health...)
• Landuse
  • Curbing urban sprawl
  • Better access to services
• Supply chains
  • Collaborative redesign
  • New business models
• Infrastructure: capital costs Vs sustainability
Thank you

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