

# 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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