



REFUEL - planning the road ahead for biofuels

Financed by the European Commission under the 'Intelligent Energy - Europe' programme.





REFUEL context

Aim: To develop a biofuels road map, consistent with EU biofuel policies and supported by stakeholders involved in the biofuels field.

Duration: 2006-2007 (24 months)

Partners: Chalmers (Sweden)
COWI (Denmark)
ECN (the Netherlands)
EC BREC/IEO (Poland)
IIASA (Austria)
Joanneum Research (Austria)
Utrecht University (the Netherlands)



The road map will include work on:

- **The destination:** an ambitious, yet realistic target share for biofuels in the fuel mix for EU transport in 2030
- **The route:** the least-cost biofuel mix meeting this target, with related biofuels production chains, conversion technology, and biomass feedstocks in the EU25+
- **The purpose of the journey:** assess the impact of reaching the target share on the main drivers behind biofuels: reducing greenhouse gas emissions, increasing security of supply and socio-economic impacts (e.g., in agriculture)
- **At the wheel:** the key stakeholders, their motives, the actions required from them, the barriers they will meet, the optimal timing of their actions
- **Paving the way:** policies needed to mobilise stakeholders, create incentives and reduce barriers



Selected REFUEL deliverables

- A detailed long-term assessment of technical and economic biomass production potentials for the EU25+
- An analysis of key drivers and barriers for developing and exploiting biomass production potentials for biofuels
- An assessment of the impact of the biofuels target on biomass production schemes
- Costs and potentials for conventional and advanced biofuels and the required market structure and supply chain



Key activities in REFUEL

- Biofuels chains assessment
- Impact assessment
- Implementation, barriers and solutions
- Policies

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