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relatively recent trend; ethanol production

EU25 biofuels production

Liquid biofuels production in the EU 25 amounted to 2040 ktoe in 2004 or about 0.7% of the market. Biodiesel from rapeseed predominates with a production of around 1720 ktoe in 2004. Ethanol is mainly produced from wheat, and to a les

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An alternative or parallel route to gasification is transforming the biomass into a liquid "biocrude", which can be further refined, used for energy production or sent to a gasifier. Such processes

Technology roadmap

Large-scale deployment of biofuels can be expected by 2020-2030. It is nevertheless necessary to identify the intermediate steps and likely timeline for development of the new options required for a strong biofuels industry and a significant biofuel use in Europe. As represented by the scheme in Figure 6.1, three main phases are to be considered:

Phase I Short term (until 2010)

desirable. The Commission should pursue a balanced approach in encouraging both domestic production and imports. Export of European biofuel technology to countries that export biofuels to the EU will help the EU biofuel technology industry to achieve and maintain a competitive position globally.

10. A full deployment of biofuels can be expected by 2030. To achieve this, optimal co-operation between stakeholders from research, agriculture, forestry and industry is vital. A good co-ordination between major European actors will be essential and would be facilitated by joint innovation programmes and joint operation of large demonstration facilities.
11. A European Technology Platform [11] for Biofuels should be established. Its scope should include biomass-based fuels for road, water and air transport.
12. The Technology Platform should support

