

The European Biofuels Technology Platform

EBTP

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The Mission of the European Biofuels Technology Platform is to contribute to the development of:

- cost-competitive world-class biofuels technologies,

- a healthy biofuels industry supplying sustainable biofuels in the European Union,

→ through a process of guidance, prioritisation and promotion of research, development and demonstration.

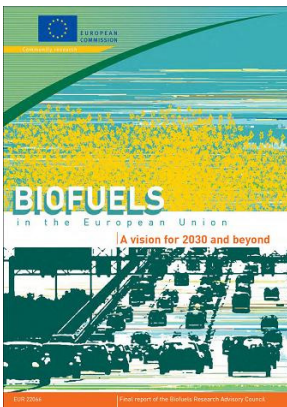
**Vision Report
June 2006**



**Strategic Research Agenda &
Strategy Deployment Document
January 2008**

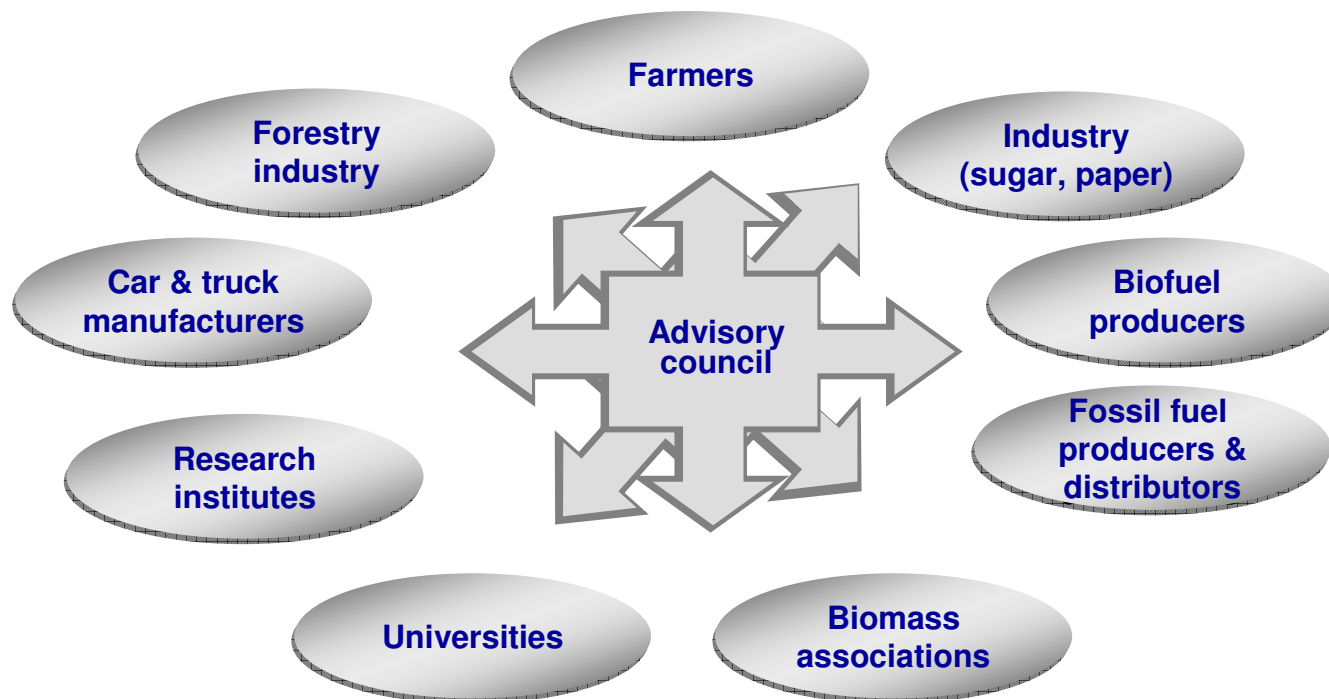


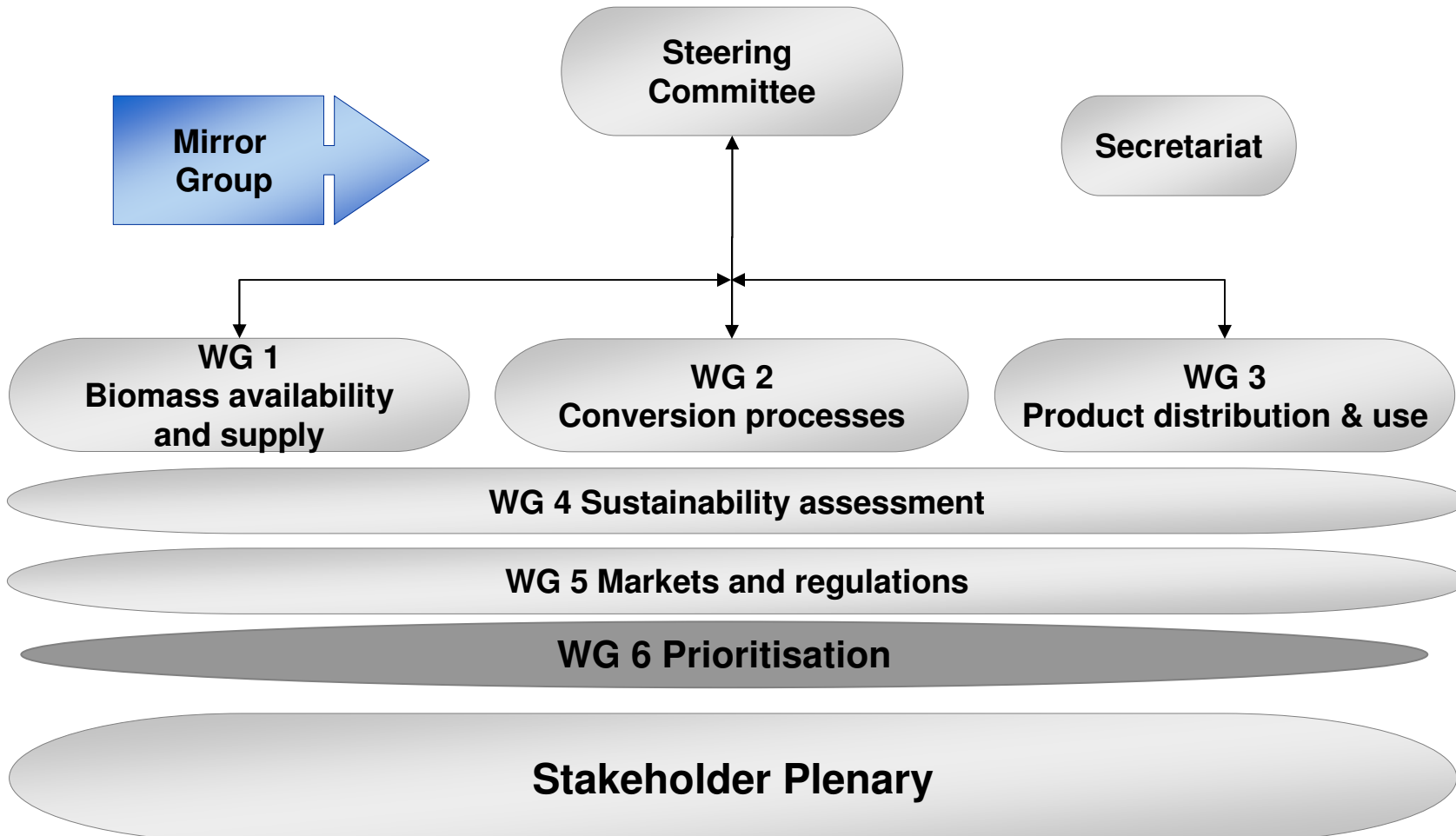
Facilitate Implementation



Biofuels Technology Platform: Preparation phase

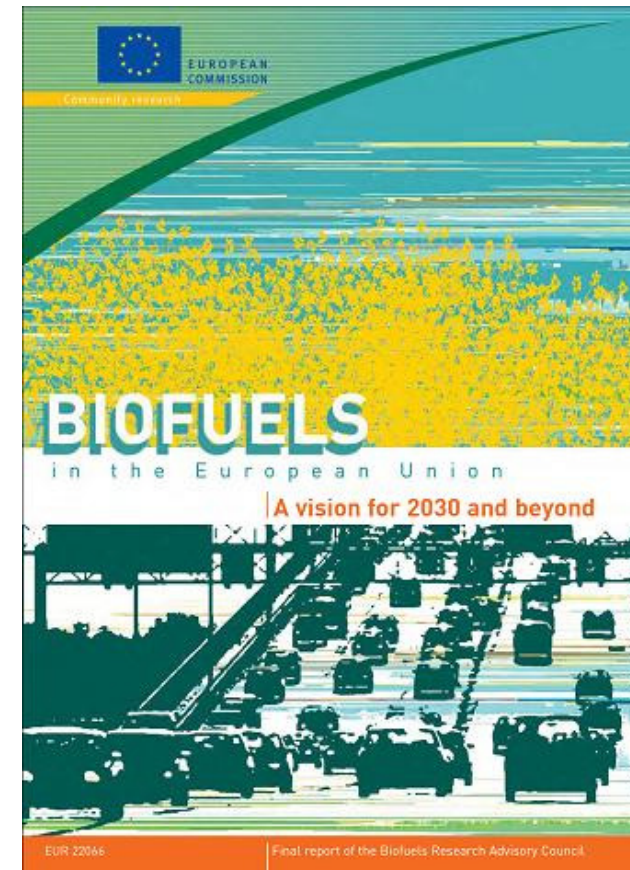
- Biofuels Research Advisory Council (BIOFRAC) - 15 June 2005
- Develop a Vision for Biofuels Technology up to 2030 and beyond
- The Vision report was intended to become a guidance tool for all stake-holders, including policy makers, and lay the foundation for a Strategic Research Agenda. It should support support initial development of FP7





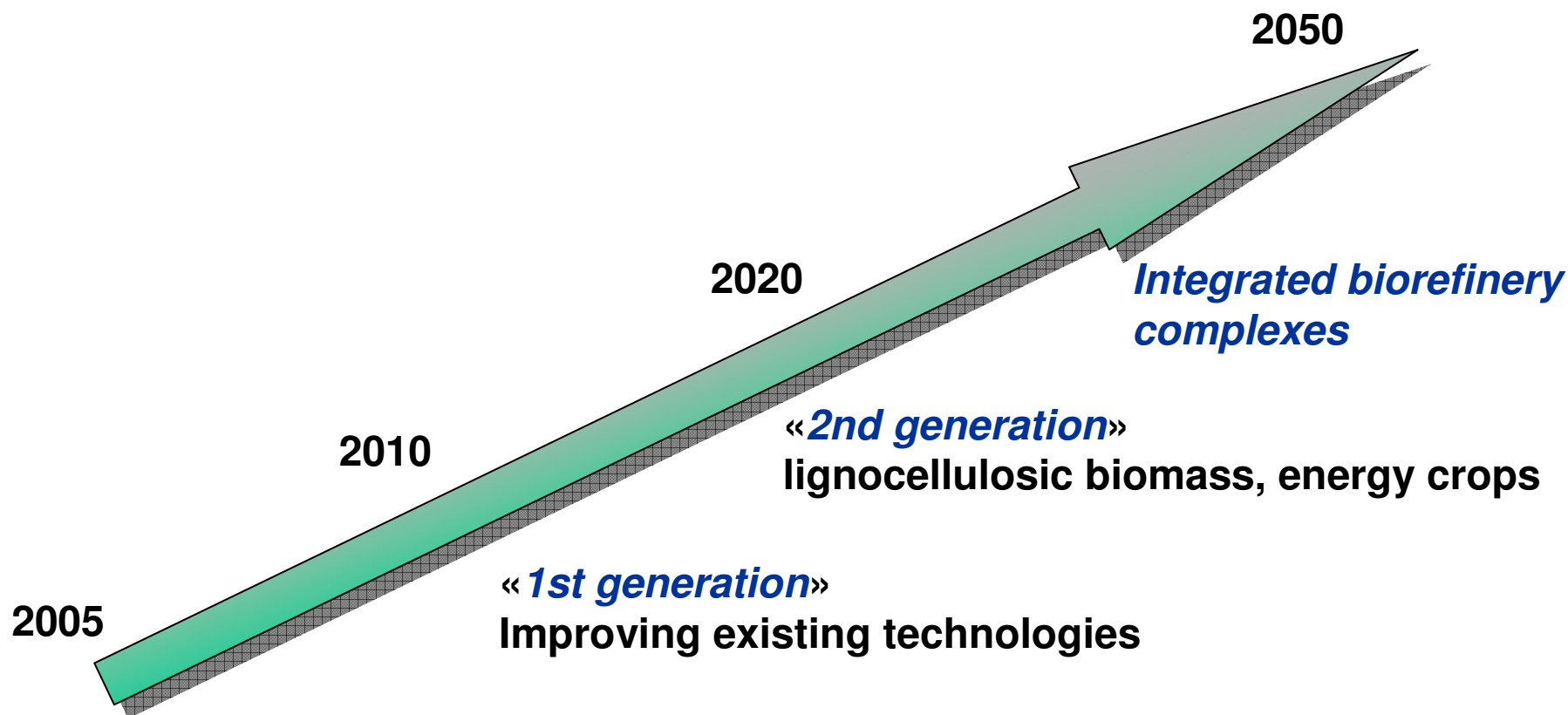
The vision

- By 2030, the European Union covers as much as one quarter of its road transport fuel needs by clean and CO₂- efficient biofuels.
- A substantial part is provided by a competitive European industry. This significantly decreases the EU fossil fuel import dependence.
- Biofuels are produced using sustainable and innovative technologies; these create opportunities for biomass providers, biofuel producers and the automotive industry.



- Let technologies compete
- Research is needed for further progress in conventional biofuels
- Put efforts to advanced conversion technologies and biorefineries
- Develop sustainable biomass supply: land strategies, use of the whole crop, energy crops, utilisation of biotechnology
- Agree on quality and environmental standards for biofuels and biofuels blends
- Interact with the development of advanced and efficient powertrains to optimize “well-to-wheel” energy use
- Balance domestic production and imports

Vision report: Anticipated future roadmap





**January 2008
Release of
SRA/SDD**

Three main areas of technology development are critical to ensure successful development of sustainable biofuels in the European Union:

▪ FEEDSTOCKS

➤ managing competition for land resources (food & fodder vs. bioenergy) and for different biomass applications (transportation fuels, heat, industrial raw materials).

➤ Increasing yield per hectare and developing efficient supply logistics both for dedicated crops and residues.

▪ CONVERSION TECHNOLOGY

➤ developing energy efficient and reliable biomass-to-fuel conversion processes with feedstock flexibility and high quality product.

▪ LOGISTICS & END-USE TECHNOLOGIES

➤ optimisation of fuel-engine environmental and energy performance ensuring compatibility with existing and future infrastructure and vehicles.

The winning options (combination of land, feedstock, conversion processes and end products) will be those best addressing strategic and sustainability targets:

- High level of GHG reduction with sound management of other key environmental issues (biodiversity, water use, local emissions...)
- Security and diversification of energy supply for road transport
- Economic competitiveness and social acceptance

- *A coherent, long term and harmonised political and open market framework.*
- *Joint public/private financing for R&D and Demonstration. Additional public funding for higher risk large-scale demonstration facilities.*
- *Biofuels quality standards based on sound science.*
- *A simple, coherent and global certification system.*
- *Social awareness and acceptance.*

- **Mapping of main ongoing biofuels R&D projects** vis-a-vis the Biofuels Technology Platform Strategic Research Agenda.
- **Focussing** the Strategic Research Agenda on **most critical priorities**, selected with **sustainability based criteria**.
- **Actively contributing to** shaping **the Industry Initiative on Bioenergy**.
- Developing **communication activities**: thematic workshops, website etc.
- Strengthening **collaboration with other Technology Platforms** and with **Member States** (through Mirror Group).
- Reinforcing **involvement of biofuels stakeholders**, in achieving the mission of the platform.

The European Industry Initiative on Bioenergy

As part of the Strategic Energy Technology Plan (SET–Plan)*, the European Industry Initiative on Bioenergy will focus on **advanced biofuels** in the context of an **overall strategy for bio-energy**:

- Demonstration projects
- Research projects

The EBTP should ensure a “**close involvement in the European Industry Initiative on Bio-Energy**” Janez Potocnik, RTD Commissioner

* reference: COM (2007)723, 22.11.07

European Biofuels Technology Platform

Contact us

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