

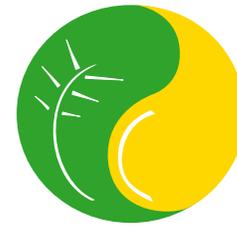
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Member of the Biomass Resources Workgroup in the European Technology Platform

Alma Mater Studiorum – University of Bologna

Verona, the 7th of February 2008

The European Biofuels Platform



Biofuels
TECHNOLOGY PLATFORM

The Platform was established in June of 2006 and was formally recognized in April of 2007. The objective was to identify and favour the research, development and demonstration activities necessary to allow the realization that by 2030 the biofuels industry could provide 25% of the energy required for land transportation in an economic and environmentally sustainable way.

The path of development for production from raw materials is the conversion technology along with the involvement of public and private stakeholders.

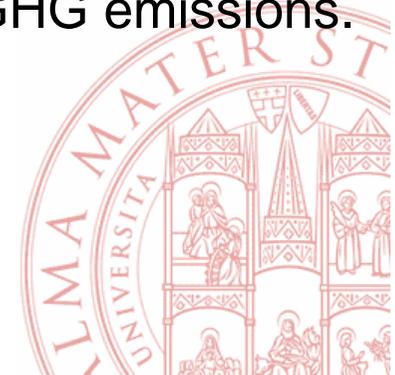


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Why a European Biofuels Platform?

- ✓ European production and consumption are strongly dependent on fossil sources with the relevant importation of oil and gas.
- ✓ Dependence on oil imports will certainly exceed 80% and is predicted to hit 94% by 2030.
- ✓ In 2006, EU member states consumed 603 million tonnes of oil, 47% of which was for land transport and 8% for air transport.
- ✓ Land transport is 98% dependent on oil.
- ✓ Consumption is predicted to increase greatly for the transport sector, and therefore CO₂ emissions and greenhouse effects will also greatly increase.
- ✓ If this trend continues, the EU will be unable to meet its Kyoto obligations.
- ✓ This problem also exists at a global level, because the transport sector is responsible for 20-25% of energy consumption and 1/3 of GHG emissions.



The objectives at the European and therefore at the Italian level are:

- Improve environmental balance
- Reduce dependence on oil imports
- Increase energy security



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The European Platform

In 2007, the PTEU work groups reunited many times and produced several documents, which were included in a Draft Report of the 26 of September, 2007 for the Biofuel Research Advisory Council in which more than 150 expert members of various organizations contributed.

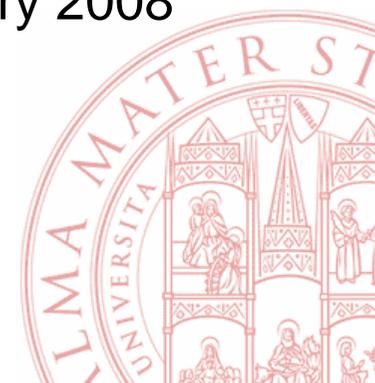
The document, with numerous annexes, is subdivided into:

- ✓ Strategic Research Agenda
- ✓ Strategic Deployment Document

The final version was presented in Brussels on the 31 of January 2008



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For each sector, the need for research, development and demonstration were found:

In the short term (2013)

In the medium term (2020)

In the long term (2030)

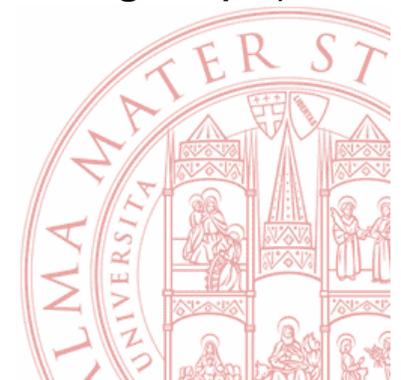
As well as the methods of adoption (different according to the arguments) of those projects, networks, centres of excellence, pilot plants, university consortia, transversal collaborations etc.

The level of available knowledge for each aspect was determined, and therefore durations and difficulties for accomplishing the program objectives were predicted.

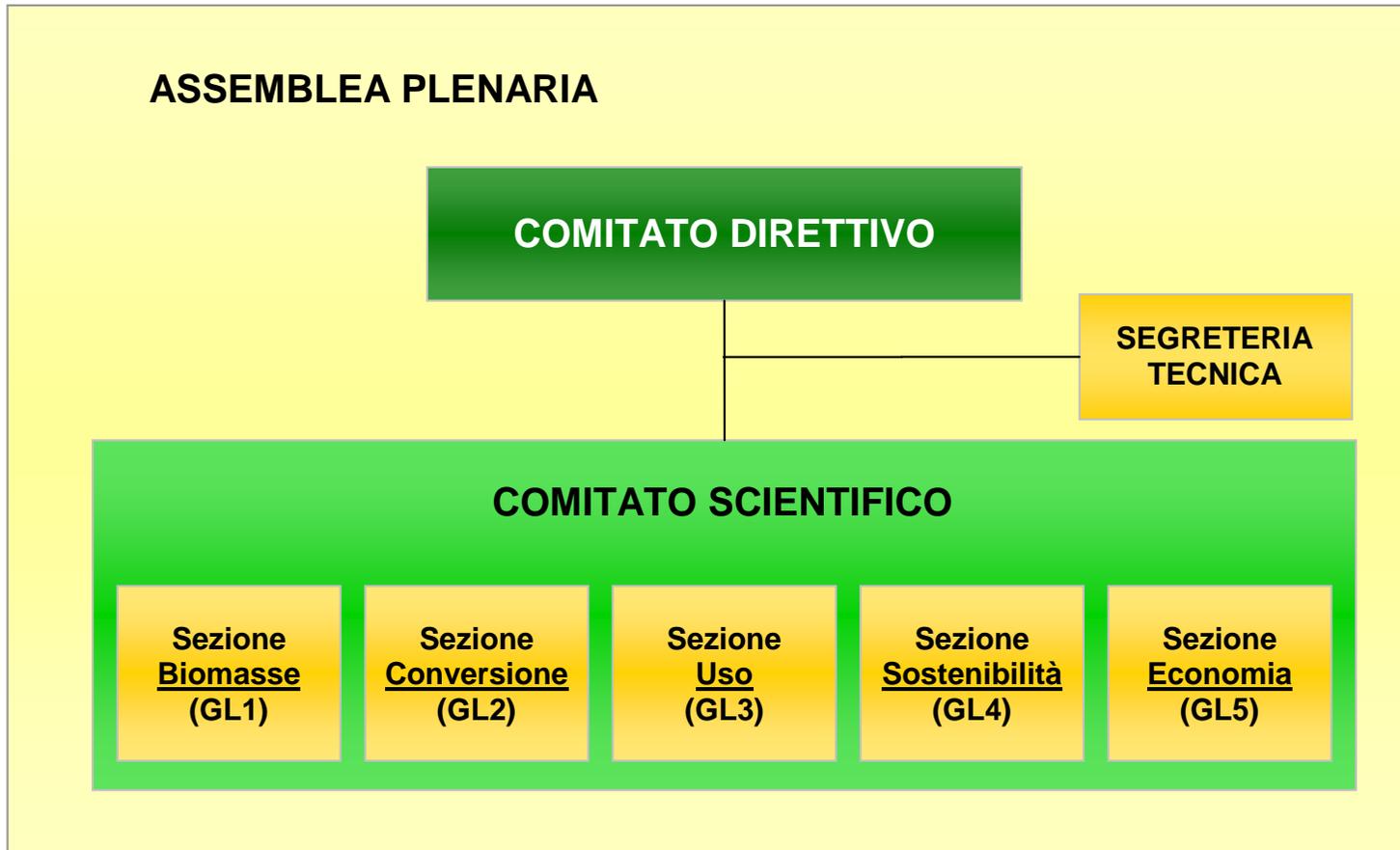
Seven Italians (1 from the Steering Committee and 6 from the work groups) collaborated on the document.



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The Italian Platform has recently begun its activities and is articulated almost exactly as the European Platform



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The Italian Platform has a Directive Committee that reflects the industry with the participation of the following groups:

- ✓ Research: Universities and ENEA
- ✓ Agricultural Production: the Agricultural Confederation, which also represents the other two major associations (Coldiretti and CIA)
- ✓ Production and general aspects of biomasse: ITABIA (ITALian Biomass Association)
- ✓ Transformation: Assodistil (ethanol) and Assocostieri-Assobiodiesel (biodiesel) and Lyondell (straight – BTE)
- ✓ Distribution: ENI
- ✓ Use: FIAT Research Centre and Magneti Marelli

The components have been put in motion for technical and/or normative aspects at Italian or European level

The secretariat is provided by the University of Bologna



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The Directive Committee

- ✓ The DC has elaborated a “Protocol Agreement” which constitutes the statute of the Platform.
- ✓ The DC has prepared a preliminary draft of the Mission Paper, which was published on the 28 of January 2008 in Bologna.
- ✓ The DC has identified the professional characteristics required to become a member of the Scientific Committee. It has received and reviewed the CVs more than 100 candidates.



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The Platform is formed by a collaboration between different components of the industry;

It is connected to the European Platform through various members;

It has connections with foreign research centres and colleges through its members involved in international projects;

It has good contacts with the Ministry of Agricultural Policies and also to a lesser extent with the Ministries of Environment and Industrial Business Development;

It has an established relationship with the Regions (Mirror Group in which the Ministeries also participate).



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The **Directive Committee** has organized two events:

- ✓ The plenary assembly of organizations, companies, universities, consortia, associations, etc. which allowed them to establish a manifestation of interest. (12 December 2007).
- ✓ The official presentation of the Platform (28 January 2008).

The Scientific Committee used the opportunity to assemble to officialize the subdivision of members into 5 scheduled work groups.



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The Platform intends to develop all the initiatives to favor the development of Biofuels, therefore: research, publishing of results, demonstrations, etc.; in particular:

- ✓ Specific studies of work groups for the Scientific Committee;
- ✓ Spreading of knowledge internally and externally of the Platform;
- ✓ Development of collaborations and synergies to improve the system;
- ✓ Offer of correct public opinion information;
- ✓ Lobby decision makers (Ministeries, Regions, etc.) and offer support for the issuing of regulations, normative frameworks, etc.;
- ✓ Presentation at a European level by a unified voice for the country with respect to the industry;
- ✓ Organization of symposia, conventions, etc.;
- ✓ Preparation of research and development projects;
- ✓ Expansion of the established site of the University.



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