



ETIP *Bioenergy*

European Technology and Innovation Platform

**Raising awareness,
delivering solutions.**

THE PLATFORM

ETIP Bioenergy is an independent, transparent, platform that provides clear, fact and science-based results on bioenergy, and advanced bio and renewable fuels, that serves as the official interlocutor of the European Commission.

A considerable amount of beneficial social and economic impacts that derive from bioenergy and renewable fuels has to be better explored in order to increase Europe's competitiveness, environmental sustainability, and energy security. The European bioenergy and renewable fuels sector can currently rely on several feedstocks as well as conversion technologies that contain different commercial maturity, which can have a positive impact on the current European transition to a low-fossil carbon society, with little detrimental effects to climate change.

MISSION

The European Technology and Innovation Platform Bioenergy (ETIP Bioenergy) brings together stakeholders from academic communities, industry, and the civil society, in order to contribute to the overall mission of:

- The development of a **cost-competitive**, innovative, world-class bioenergy and biofuel value chains;
- The creation and encouragement of a **healthy European bioenergy industry**;
- The **acceleration of the sustainable deployment of bioenergy** in the European Union;
- The **Strategic Energy Technology Plan (SET Plan) activities and strategy**. More specifically, providing strategic recommendations and input for the SET Plan Steering Group on the 10 priorities, as well as on future updates of the SET Plan Integrated Roadmap. In this sense, ETIP Bioenergy possesses the role of providing strategic advice to the European Commission and the SET Plan Steering Group, based on a group consensus;
- The **implementation of Research & Innovation activities at the European, national/regional, and industrial levels**, by supporting the work of the Strategic Energy Technologies Information System (SETIS);
- The **definition and implementation of more developed research programmes, and financial instruments**, as well as efficiently addressing the current barriers to bioenergy by assisting the European Commission and EU Member States.

HOW DOES ETIP BIOENERGY WORK?

- Fostering breakthroughs through innovation in bioenergy, biofuels, and renewable fuels at the technological, processing, and dissemination levels
- Offering access to the latest developments and success stories on market implementation, commercialisation, and deployment of new technologies
- Triggering the exchange of ideas and supporting evidence-based policy development to support the growth of the sector in Europe
- Increasing connections among actors of several areas (from feedstocks to treatment processes and final products) throughout Europe

STAKEHOLDERS



- Policy makers, governing bodies and national authorities
- Scientific community
- Feedstock suppliers
- Market and business operators
- Media and international organisations

Through a process of guidance, prioritisation, promotion of research, technology development, and demonstrations, **more than 600 ETIP Bioenergy stakeholders** are currently joining the effort by contributing to overcoming the existing hurdles and barriers in the sector. The goal is to unleash the full potential of advanced biofuels and renewable fuels in Europe.



FOCUS ON Priority Value Chains

Bioenergy

For bioenergy the thematic focus lies in, but is not limited to, the seven bioenergy value chains defined under the European Industrial Bioenergy Initiative (EIBI)

Advanced biofuels

Produced from lignocellulosic feedstocks (i.e. agricultural and forestry residues, e.g. wheat straw/corn stover/bagasse, wood-based biomass), non-food crops (i.e. grasses, miscanthus, algae), or industrial waste and residue streams

- with low CO₂ emission or high GHG reduction
- reaching zero or low ILUC impact

Renewable fuels

Liquid and gaseous fuels produced from renewable intermediates or renewable processed by-products (H₂, CO, CO₂ etc.)

How are they important contributions to meeting the targets of the Paris Agreement, and how do they contribute towards a clean energy transition in Europe?

Advanced biofuels and renewable fuels play a **key role in the energy and climate strategy of the EU**. So far, they are the only renewable energy carrier that contributes significantly to the energy demand of the transportation sector, mainly for heavy duty road transport and aviation. They will contribute in reducing GHG emissions in the EU energy mix, as required by the Paris Climate Agreement, and in decreasing the dependence on fossil fuels.

PRIORITY VALUE CHAINS



RECENT ACHIEVEMENTS

The 2018 Strategic Research and Innovation Agenda (SRIA), compiled by ETIP Bioenergy Steering Committee, Working Groups and ETIP Bioenergy SABS project partners;

The position paper on the reformation of the Renewable Energy Directive, REDII (2018/2001/EU), with key recommendations on keeping innovation and technology development for sustainable energy applications of biomass;

Feedback to periodic consultations of the European Commission on “hot” topics such as High and low Indirect Land-Use Change (ILUC) - risks biofuels, bioliquids and biomass fuels.

BE PART OF THE BIOENERGY ERA, JOIN THE PLATFORM

Get registered through
www.etipbioenergy.eu/index.php/stakeholder-application

Drop an email for membership to the 4 ETIP Bioenergy Working Groups to
secretariat@etip-bioenergy.eu

STAY INFORMED

www.etipbioenergy.eu



Project partners



ETIP-B-SABS-2 project

ETIP Bioenergy is supported by ETIP-B-SABS 2 – European Technology and Innovation Platform Bioenergy – Support of Renewable Fuels and Advanced Bioenergy Stakeholders 2. The project, from the 1st September 2018 to the 31st August 2021, provides assistance to all activities of ETIP Bioenergy which are of interest for the community as well as for EU citizens and media.



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