

Bioenergy: a solution to the current energy crisis and a sustainable future

Brussels, 13 January 2023 – Bioenergy Europe is pleased to announce the release of its last [2022 Statistical Report Bioenergy Landscape](#) and its accompanying [Policy Brief](#). This report analyses the current state of European energy sources, energy production and consumption, biomass trade and sector employment.

Russia's military aggression against Ukraine has revealed the EU's over-dependency on foreign fossil fuels and highlighted the need to secure the autonomy of the EU's energy system. The high energy prices and the risk of supply shortages across the EU have made even more urgent the acceleration of the green and digital transition under the European Green Deal, to ensure a secure, more affordable, resilient and independent energy system. Bioenergy has the potential to play a significant role in the ongoing energy transition, providing a clean, renewable source of energy that can help to reduce our reliance on fossil fuels and curb greenhouse gas emissions.

When looking at the overall energy mix, bioenergy makes up 56,8% of all renewables and 11,4% of the total energy mix – making it a significant provider of renewable energy. The main market segment for bioenergy remains heating for residential as well as industrial consumers. As the best renewable energy source in terms of direct and indirect employment, bioenergy accounts for 486.300 jobs and its turnover in 2020 represented 49.550 million EUR in the EU27.

The decarbonisation of energy-intensive industrial processes with high temperatures and pressure requires technologies and systems that are not yet ready for the market. In this context, bioenergy is one of the few already available solutions. On top of this, BECCS (Bioenergy with Carbon Capture and Storage) is also a solution to capture and permanently store carbon, achieving negative emissions. Readily scalable solutions like PyCCS (Pyrogenic Carbon Capture and Storage), through which biochar is produced, can also fast-track the European Commission's efforts in achieving the 2050 goals. With such a big contribution and potential, for both people and planet, a suitable policy framework should therefore be developed to better support industrial needs and allow for a thriving bioenergy sector.

“In order to provide sustainable energy that is resilient to geopolitical crisis, Europe has to make use of its alternative sources, including bioenergy from solid biomass. We are now at a critical point in the transformation of our energy system: the traditional fossil fuel-based model of energy production is no longer an option” remarks Bioenergy Europe's Policy Officer, Ennio Prizzi.

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Notes to editors:

- [Bioenergy Europe](#) is the voice of the European bioenergy industry. It aims to develop a sustainable bioenergy market based on fair business conditions. Founded in 1990, Bioenergy Europe is a non-profit, Brussels-based international organisation bringing together more than 40 associations and more than 150 companies, as well as academia and research institutes from across Europe.
- Bioenergy Europe's [Annual Statistical Reports](#) provides insights on the developments of the European bioenergy market to support industry leaders, decision-makers, investors, and all bioenergy professionals to understand the status of bioenergy in Europe. With more than 150 graphs and figures, readers can get an in-depth overview of the bioenergy sector in Europe.