

The voice of European Bioenergy

Bioenergy Europe's Report: Europe's energy security starts with renewables

Brussels, 21 January 2026 – [Bioenergy Europe publishes its latest Landscape Report](#): a comprehensive picture of the EU energy system from production to use and market evolution. At a time when security of supply has become a defining priority for Europe, the report is a practical guide for policymakers and market actors navigating the clean energy transition.

“Recent political shifts have made this clear: reaching net-zero is not only about the climate; it is the sine qua non of Europe’s energy security and independence.” said **Jean-Marc Jossart, Secretary General of Bioenergy Europe**. *“[This report](#) shows how bioenergy, together with other renewables, can contribute to a more resilient system. The EU needs to scale up sustainable, local resources to become more independent and secure.”*

Bioenergy anchors the EU renewable mix and supports system resilience

Bioenergy remains Europe’s largest renewable energy source, providing **around half of the EU’s renewable energy supply** and supporting the defossilisation of the European economy. In 2023, bioenergy represented **51% of the EU renewable energy mix**, underlining its role in reducing emissions and reinforcing energy independence through the use of local resources.

The **Landscape Report** also highlights why **system integration** matters as fossil fuels are phased out: combining renewable solutions is essential to manage seasonal demand, ensure flexibility, and keep energy affordable for citizens and businesses.

Securing heat: defossilising Europe’s biggest energy use

Heating is one of Europe’s most fossil-dependent sectors. **Fossil fuels still account for 73% of heating in the EU**, generating **around 1.5 billion tonnes of CO₂ emissions per year**, a trajectory incompatible with the EU’s long-term climate objectives. In 2023, renewables covered **only about a quarter of heating and cooling demand**, but within renewable heat around 81% came from biomass.

Bioenergy matters for security as much as for defossilisation: biomass combines domestic availability with low import reliance (**5% dependency, and 1% of net imports**), making it a practical option to reduce exposure to external shocks while accelerating the **shift away from imported fossil heating**.

Supporting industry: reliable renewable energy for hard-to-electrify processes

[The Landscape Report](#) also underlines the role of bioenergy in supporting **industrial energy security**, particularly for energy-intensive sectors where full electrification is not always feasible. A technology-neutral approach that mobilises all scalable renewables, including sustainable bioenergy, could support industrial competitiveness, helping to maintain activities in Europe while cutting emissions and reducing exposure to external supply shocks.

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Bioenergy Europe's message

Europe's energy system will only be secure if it is **clean, diversified, and resilient**. *"In Europe we depend on fossil fuels, but we have biomass to reach net zero emissions by 2050"* concluded Jean-Marc Jossart *"We should not miss this opportunity"*.

Contacts

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Notes to editors:

- [Bioenergy Europe](https://www.bioenergyeurope.org) 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 150 companies, as well as academia and research institutes from across Europe.
- Bioenergy Europe's [Annual Statistical Reports](#) provide insights on the development of the European bioenergy market in order to support industry leaders, decision-makers, investors and all bioenergy professionals to better 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.