

# BIOENERGY

C

A

R

E

S

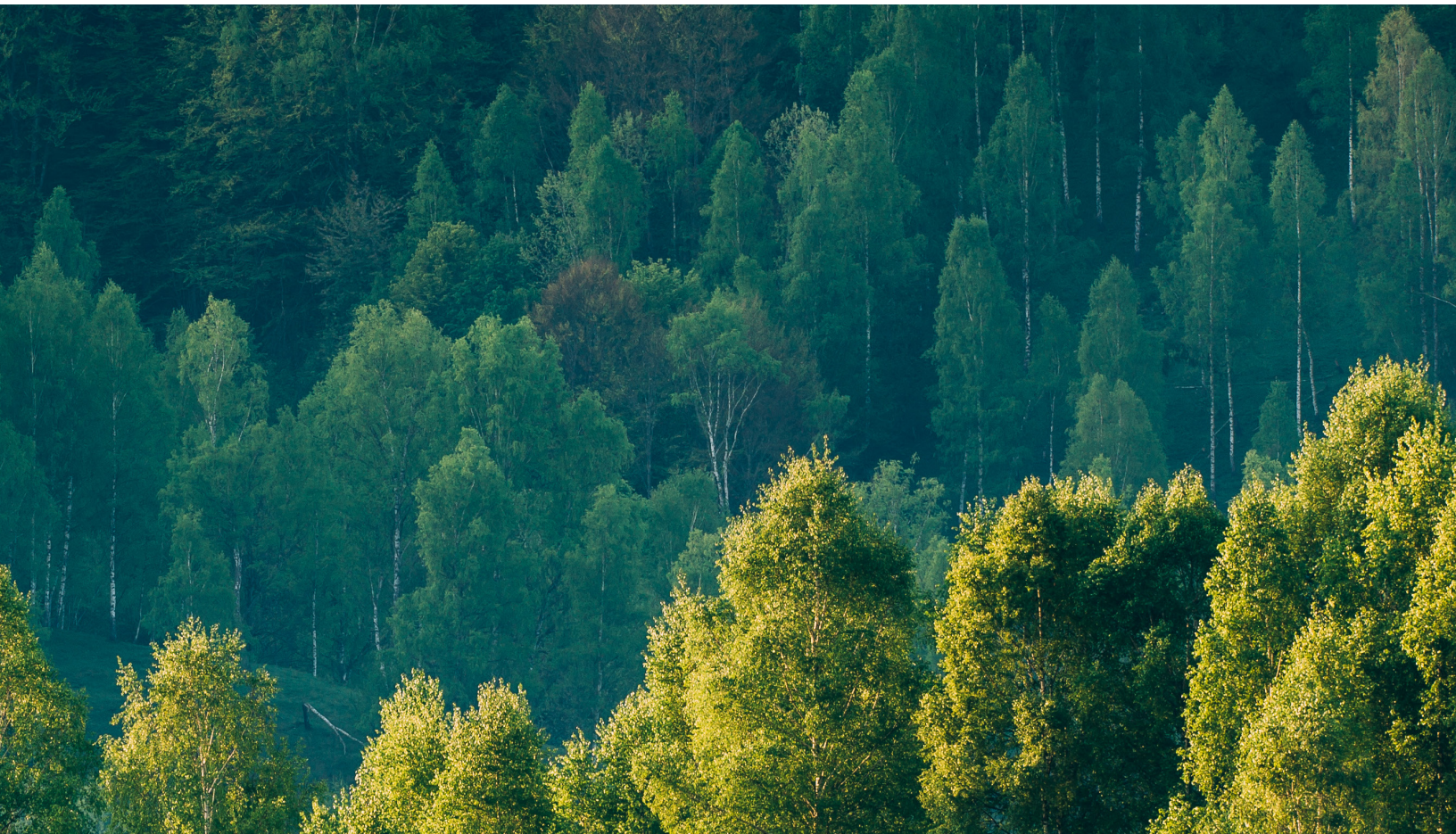
Competitive

Autonomous

Renewable

European

Sustainable



# Why you should care about **Bioenergy**



## Bioenergy is the #1 domestic European energy source

Being locally produced, less than 5% of the biomass for bioenergy is imported from trusted allies



## Bioenergy is crucial for the health of the EU's economy

Currently contributing over 40 billion to the EU's GDP, bioenergy could grow to over 70 billion by 2050



## Bioenergy creates local jobs and supports the bioeconomy

Providing more than 960.000 jobs\*, the sector could employ more than 1.5 million workers by 2050

\*(FTE full-time equivalent)



## Europe is a bioenergy technology leader

Europe is home to over 70% of bioenergy technology suppliers globally which directly contribute to the EU's industrial competitiveness

*Europe is a leader in bioenergy technologies and sustainable biomass sourcing. Bioenergy is a key European asset contributing to the EU's energy independence and economy. Moreover, Bioenergy creates local jobs that cannot be relocated outside the EU.*

## 3 Priorities for a Sustainable, Competitive and Independent EU



### Set a Clear Fossil Fuel Exit Strategy

- End all fossil fuel subsidies and develop a clear defossilisation strategy.
- Calculate full value-chain emissions for fossil fuels and set minimum standards.
- Require Member States to set end dates for the use of fossil fuels in different sectors with indicative trajectories and clear measures.



### Enhance Energy Security by Unleashing Bioenergy's Untapped Potential

- Launch an ambitious programme to replace old heating appliances.
- Create a fund for the modernisation of heating appliances and promote investments in efficient bioenergy use.
- Add heat and energy storage mapping to the National Energy & Climate Plans.



### Unlock the Potential of Bioenergy with Biochar and Carbon Capture, Storage, and Utilisation

- Enable a political and financial framework to accelerate the ramp-up of biogenic Carbon Dioxide Removal (CDR) technologies.
- Set quantitative targets for technological CDR in 2030, 2040 and 2050.
- Promote synergies for bioenergy and BECCS (Bioenergy with Carbon Capture and Storage) in hard-to-abate sectors.

# What is **Bioenergy**?

Bioenergy is a carbon-neutral renewable energy source derived from natural and biological origin, known as biomass. There are many different types of biomass feedstocks, including forestry, agriculture, related industries and post-consumer organic waste.

Bioenergy is mainly produced from waste and residues, such as sawdust, olive pits, or animal manure, adding value to biomass materials that lack alternative valorisation pathways. Today, sustainable bioenergy is Europe's most important renewable energy source.

**Bioenergy is Europe's number one indigenous energy source, contributing to EU's energy independence**



of gross final energy



of all renewable energy

# What is **Bioenergy Europe**?

Bioenergy Europe cares about a competitive, resilient and sustainable European Union. Bringing together national associations and companies, academic and research institutions from all steps of the bioenergy value chain, Bioenergy Europe aims to foster a thriving bioenergy sector to deliver a carbon-neutral Europe.



**170+**  
Members

National associations, companies, research and academia, producers, traders, equipment suppliers, end-users and consultancies.



**Policy Focus**

- Agriculture
- Bioeconomy
- Buildings
- Carbon Removal
- Ecodesign
- Forestry
- Sustainability



# Bioenergy is Economically, Socially and Environmentally Sustainable



## Carbon Negative

By capturing CO<sub>2</sub> from bioenergy, carbon can even be removed from the natural cycle and lead to permanent negative emissions which will be key to achieving carbon neutrality.



## Carbon Neutral

Carbon circulates between the biosphere and the atmosphere as plants grow, decay, and regrow. Bioenergy taps into this natural cycle to produce energy without any net CO<sub>2</sub> emissions.



## Defossilising Heating

Today, bioenergy is Europe's primary source of renewable heat, providing 85% of it and supplying warmth to 66 million households through sustainable biomass.



## Circular

Mostly produced from residues from sustainable forest management and agriculture, as well as from by-products of wood-working industries. Bioenergy fits perfectly in a circular economy with clear benefits for all.



## True European Asset

The bioenergy sector is projected to provide the EU27 with over 1.5 million jobs and 70 billion euros of GDP by 2050. Each additional Mtoe of bioenergy increases GDP by 359 million euros and creates 7.376 full-time jobs.



BIOCHAR

BECCS

CO<sub>2</sub>

Bioenergy with carbon capture & storage

# Meet our **Policy Team!**



**Irene di Padua**

Policy Director  
dipadua@bioenergyeurope.org



**Ennio Prizzi**

Senior Policy Officer  
prizzi@bioenergyeurope.org



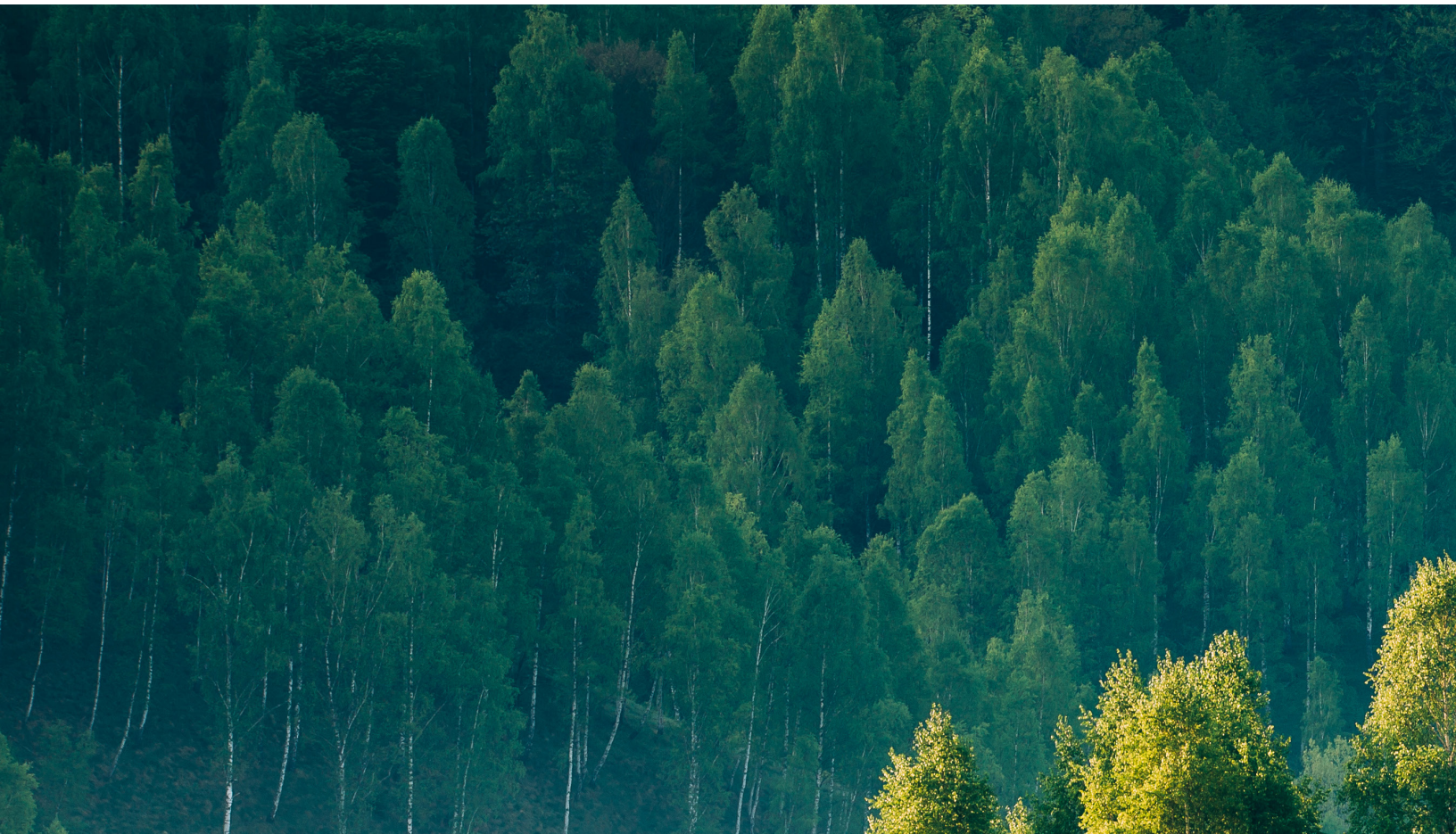
**Vaida Leščauskaitė**

Senior Policy Officer  
lescauskaitė@bioenergyeurope.org



**Ileana Repaci**

Policy Assistant  
repaci@bioenergyeurope.org



**Bioenergy Europe**

[www.bioenergyeurope.org](http://www.bioenergyeurope.org)

Place du Champ de Mars 2, 1050 Brussels, Belgium

[info@bioenergyeurope.org](mailto:info@bioenergyeurope.org)

+32 2 318 41 00