



**ETIP** *Bioenergy*

European Technology and Innovation Platform

# WEBINAR SERIES

On key topics of bioenergy  
and renewable fuels

2023-2024

ETIP Bioenergy is conducting a series of webinars with the purpose to spread the knowledge on key topics in the renewable fuels and bioenergy sector.

## **Audience**

The target audience are stakeholders in the renewable fuels and bioenergy sector from industry, academia and authorities.

## **Dates**

Starting from December 2023 and continuing throughout 2024.

## **Structure**

Webinars take place on a quarterly basis and last around 1.5 – 2 hours. The first presentation introduces the topic, provides a brief overview of the state of the art, and discusses the relevance of the topic. Further presentations provide insights into current developments. Each webinar concludes with either a panel discussion or the possibility for the audience to pose questions to the speakers.

## WEBINAR #1

# Bioenergy combined with Carbon Capture and Storage - Deployment examples

18 December 2023, 14:00 – 16:00 CET

Organized with



## The background

Bioenergy processes often involve the production of CO<sub>2</sub>, e.g. when combusting biomass for heat and power production, or when producing ethanol or biogas. With **bio-CCS** (sometimes also abbreviated BECCS), CO<sub>2</sub> is removed from the atmosphere by photosynthesis and bound as carbon in biomass. The biomass is then combusted for energy or converted to a product or a gas with the carbon extracted. The captured biogenic CO<sub>2</sub> is geologically stored, resulting in negative carbon emissions when derived from sustainably sourced biomass.

While early attention on bio-CCS focused on its use in the power sector, its potential extends to more targeted industrial applications, where decarbonization is more difficult. This includes the use of CCS in pre-existing industries (paper, ethanol, biogas, waste-to-energy, biomass retrofitting), in carbon-intensive industries, and in “biorefineries” to replace the production of fossil-based chemicals.

## This webinar

Organised in partnership with ETIP Zero Emissions Platform (ZEP), this webinar will **explore the state-of-play for bio-CCS and provide industry examples of their deployment**. The webinar offers also the opportunity to exchange with speakers and discuss where they see opportunities for applying these technologies, and which barriers currently hinder their further deployment.

## Sign up

To register for this webinar please follow this link:

[Bio CCS – Deployment Examples: Participants and Speakers \(trippus.se\)](https://trippus.se)

WEBINAR : Bioenergy combined with Carbon Capture and Storage - Deployment examples

## AGENDA

18 December 2023, 14:00 – 16:00 CET

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14:00	<b>Welcome and Introduction</b>	Moderation: Dina Bacovsky, Chair ETIP-B Working Group 2 on Conversion, ETIP-B Secretariat
14:10	<b>The state-of-play of CCS in Europe and the role of carbon removal solutions</b>	Joop Hazenberg, Zero Emissions Platform (ZEP)
14:30	<b>Important considerations for Bio-CCS deployment</b>	Allanah Paul, Bellona
14:50	<b>CO<sub>2</sub> capture with CDR on Norway's largest energy-from-waste plant</b>	Jannicke Bjerås, Hafslund Celsio
15:10	<b>Retrofitting CO<sub>2</sub> capture on RWE power plants</b>	Jens Fuhrmann, RWE
15:30	<b>Discussion</b>	All
15:55	<b>Closing Words</b>	Dina Bacovsky

### Registration link

[Bio CCS – Deployment Examples: Participants and Speakers \(trippus.se\)](https://trippus.se)

## More about ETIP Bioenergy


ETIP Bioenergy is the European Technology and Innovation Platform on Renewable Fuels and Bioenergy, and recognized by the European Commission as the formal interlocutor in this area. ETIP Bioenergy brings together the knowledge and expertise of stakeholders from industry, biomass production, research & technology development, engine and vehicle manufacture, fuel distribution, government and NGOs in a public private partnership. The platform depends on the advice and information provided by stakeholders to achieve a common aim - the commercial deployment of renewable fuels and bioenergy in Europe.

If you would like to become more involved with the platform you can register as a stakeholder or apply for membership in one of the working groups.

[Get involved](#)

[www.etipbioenergy.eu](http://www.etipbioenergy.eu)

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