



MAINSTREAM BIO

MAINSTREAMING SMALL-SCALE BIO-BASED SOLUTIONS ACROSS RURAL EUROPE

REVOLUTIONIZING EUROPE'S RURAL REGIONS: CIRCULAR BIOECONOMY OPPORTUNITIES

WEBINAR 2, **Round 2:** *Women Industrial Leaders in Agriculture, Marine Beauty, and Bio-based Fashion Textiles*

Wednesday January 22nd, 2025, 11.00 CET



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Time	Topic	Speaker
11:00	Introduction to the webinar 2	Dragica Grozdanic Bioeconomy Researcher Munster Technological University
11:10	Off-flavours in plant protein – origine, and Fate in processing	Trine Kastrup Dalsgaard Professor Aarhus University
11:25	Marine Natural Beauty Products Supporting a Sustainable Future-Case insights from SeaBody	Aleksandra Augustyniak Post Doctoral Researcher Munster Technological University
11:35	The Future of Sustainable Fashion: Research in Bio-Based Textile Materials	Paulien Harmsen Senior Researcher Wageningen University
11:50	Panel Discussion and Interactive Q&A Session	All
12:10	Webinar Closure	Dragica Grozdanic Bioeconomy Researcher Munster Technological University

Registration options:

Option 1: Registration Link:

Click [here](#) to register for the webinar.

Option 2: Scan QR Code:

Scan the QR code to register for the webinar:



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Information

What the webinar is about?

This webinar plays a second part in the webinar series on empowering women in the bioeconomy and will serve as an introduction to the involvement and importance of women in the bioeconomy, designed to showcase their leadership and innovation across various sector sectors. It aims to highlight the significant and innovative contributions women are making in fields such as agriculture, marine cosmetics and bio-based textiles sector.

Off-flavours in plant protein – origine, and Fate in processing

In this presentation we will explore the challenges posed by off-flavours in plant protein production, focusing on their origins and how they evolve during processing. The discussion will delve into strategies for mitigating these off-flavours to enhance the quality and acceptability of plant-based protein products. Participants will gain insights into the latest advancements in processing techniques and their role in developing high-quality plant protein solutions.

Marine Natural Beauty Products Supporting a Sustainable Future-Case insights from SeaBody

This presentation explores how marine natural beauty products are contributing to a sustainable future, with a specific focus on case insights from SeaBody. It highlights the use of marine resources, such as seaweed and algae, in creating eco-friendly, high-performance beauty products. The discussion will showcase how SeaBody integrates sustainability into its practices, from sourcing to production, while addressing environmental challenges and opportunities within the marine beauty sector.

The Future of Sustainable Fashion: Research in Bio-Based Textile Materials

This presentation will explore innovative advancements in bio-based textile materials, highlighting their potential to shape the future of sustainable fashion. It will cover the development of circular and fossil-free textiles, the role of bio-based fibers in reducing the environmental impact of the textile industry, and strategies for integrating sustainable practices into fashion production. The discussion will focus on cutting-edge solutions and the challenges of scaling bio-based materials to meet industry demands while promoting sustainability.



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Speakers

Dragica Grozdanic is a bioeconomy researcher in the Circular Bioeconomy Research Group at Shannon Applied Biotechnology Centre, Munster Technological University in Kerry. She is working on regional bioeconomy development and policy for Robin and Mainstream Bio project, both EU funded by Horizon Europe. She was an Irish ambassador for the EU Horizon Project Coopid and a partner in two other EU Horizon Projects, Smart protein led by UCC and Valpro Path led by Teagasc. Her special interest is in sustainable agricultural practices and alternative plant protein production in the EU.

Trine Kastrup Dalsgaard is a Professor in the Department of Food Science at Aarhus University, specializing in sustainable food systems and food chemistry. She earned her Master's degree in Biotechnology from Aalborg University and completed her PhD focusing on free radical chemistry in protein and lipid oxidation. Her research encompasses alternative proteins, food stability, and optimization of processing, with a significant emphasis on novel food sources and biorefinery, including the extraction of proteins from seaweed and legumes. Trine has considerable teaching experience, contributing to both bachelor's and master's courses, and has supervised numerous PhD, Master's, and Bachelor's students. She has successfully secured substantial research funding and leads consortium-based projects, demonstrating a strong collaboration with industrial partners nationally and internationally.

Aleksandra Augustyniak is a Postdoctoral Researcher in the Circular Bioeconomy Research Group at Shannon Applied Biotechnology Centre (ABC), Munster Technological University (MTU). She is involved in the Horizon 2020 Bio4Africa project, aiming to transfer simple, small-scale, and robust bio-based technology to rural Africa, empowering farmers to produce a wider range of high-value products using local biomass. Aleksandra completed her PhD in Biological Sciences from the Laboratory of Cytogenetics at the University of Łódź, Poland. Since joining Shannon ABC in 2015, she has worked on various projects with industrial clients in sectors including nutraceuticals, medical devices, and cosmetics. Her main research interests focus on cell culture technology, specializing in mammalian cell culture and in vitro screening for novel compound bioactivity using various cellular models.

Paulien Harmsen is a Senior Scientist at Wageningen University & Research (WUR) in the Netherlands, specializing in sustainable textiles and bio-based materials. With a background in chemical engineering from the University of Twente, her work focuses on circular and fossil-free textiles, textile recycling, and bio-based fibres. Paulien leads the Sustainable Textiles Programme at WUR, advancing innovation and research to reduce the environmental impact of the textile industry. She has contributed extensively to projects and publications in the bioeconomy and sustainable materials sectors.















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The project

MainstreamBIO is a Horizon Europe EU funded project, which sets out to get small-scale bio-based solutions into mainstream practice across rural Europe, providing a broader range of rural actors with the opportunity to engage in and speed up the development of the bioeconomy. Recognizing the paramount importance of bioeconomy for addressing key global environmental and societal challenges, MainstreamBIO develops regional Multi-actor Innovation Platforms in 7 EU countries (PL, DK, SE, BG, ES, IE & NL). The project aims to enhance cooperation among key rural players towards co-creating sustainable business model pathways in line with regional potentials and policy initiatives. MainstreamBIO supports 35 multiactor partnerships to overcome barriers and get bio-based innovations to market with hands-on innovation support, accelerating the development of over 70 marketable bio-based products and services. Furthermore, the project develops and employs a digital toolkit to better match bio-based technologies, social innovations and good nutrient recycling practices with available biomass and market trends as well as to enhance understanding of the bioeconomy with a suite of educational resources building on existing research results and tools. To achieve these targets, MainstreamBIO involves 10 partners across Europe, coming from various fields. Thus, all partners combine their knowledge and experience to promote the growth of bioeconomy in a sustainable and inclusive manner.

Coordinator: **Q-PLAN INTERNATIONAL ADVISORS PC (Q-PLAN)**

Partner		Short Name
	Q-PLAN INTERNATIONAL ADVISORS PC	Q-PLAN
	MUNSTER TECHNOLOGICAL UNIVERSITY	MTU
	STICHTING WAGENINGEN RESEARCH	WR
	INSTYTUT UPRAWY NAWOZENIA I GLEBOZNAWSTWA, PANSTWOWY INSTYTUT BADAWCZY	IUNG
	RISE PROCESSUM AB	PROC
	AGRAREN UNIVERSITET - PLOVDIV	AUP
	FBCD AS	FBCD
	EURIZON SL	INN
	DRAXIS ENVIRONMENTAL SA	DRAXIS
	WHITE RESEARCH SPRL	WHITE

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