

News on biobased resource recovery

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September - October 2024

BCE Community

ESNI 2024: key outcomes and upcoming commitments



Over 140 participants and more than 35 speakers, including policy makers, researchers and representatives from companies joined the fifth edition of the ESNI Conference '*Growing the future of nutrient recycling*' on 18 and 19 September 2024. 2 days of insightful presentations and thought-provoking discussions to highlight the benefits and the challenges for nutrient recovery in the upcoming years.

What is next? In the coming months the 4 ESNI Working Groups will organise several initiatives based on inputs from the ongoing EU projects to translate their commitment into actionable steps towards a more sustainable nutrient management practices.

[Discover the ESNI webinars](#)

BCE Community

5 new projects join our community!



SYNECO is establishing good practices for manure management and fertilisation in Malta, benefitting rural societies that can use their own resources for fertilisation rather than importing expensive chemical fertilisers, thereby improving competitiveness of crop production in Malta.

Read more [here](#)



The project aims to establish a self-sustaining, multi-actor, Thematic Network called "NUTRI-CHECK NET" that builds farm-level adoption of best field-specific nutrient management practices across Europe.

Read more [here](#)



The main aim of REALM is to develop an innovative, sustainable, and highly efficient strategy for microalgae biomass production and processing, applicable to all European countries. This will be accomplished by using the wastewater of soilless greenhouses to grow microalgae, removing residual fertilisers in the water for safe reuse or discharge.

Read more [here](#)



At the core of the ReLEAF project is the belief that sustainable agriculture and waste management can coexist harmoniously to create a greener and more resilient future for Europe. The project will demonstrate suitable extraction techniques in 5 sites across Europe by developing cutting-edge methods to extract key BBF ingredients from diverse waste streams, such as sewage sludge, fish processing waste, mixed food waste, and agri-food residues.

Read more [here](#)



ELLIPSE project addresses the valorisation of two heterogeneous waste streams generated in significant amounts in Europe, slaughterhouse waste and paper and pulp sludge, to produce cost-efficient polyhydroxyalkanoates (PHAs) for agricultural and personal care applications, by the coprocessing with other organic wastes (OW) such as sludge from the dairy industry and glycerol from the biodiesel industry, as well as recovering nutrients to produce bio-based fertilizers (BBFs).

Read more [here](#)

Project news

Novafert: Open call for fertilisers companies

A promotional banner for Novafert's open call. It features the European Union flag and the text "Funded by the European Union" in the top left. The Novafert logo is in the top right. The main text "OPEN CALL for fertiliser companies" is in large, bold, dark green letters. Below this, there is an illustration of a person in a green shirt looking at a computer screen displaying various charts and graphs. A magnifying glass is positioned over one of the charts. To the right of the illustration, the text "APPLY NOW" is written in large, bold, yellow letters. Below that, in smaller dark green text, it says "To benefit from an evaluation of your product!".

Funded by the European Union

Novafert

OPEN CALL

for fertiliser companies

APPLY NOW

To benefit from an evaluation of your product!

NOVAFERT is pleased to announce an open call for fertiliser manufacturing companies to participate in the testing of the proposal for the Product Environmental Footprint Category Rule (PEFCR-wise) for bio-based fertilisers.

Companies can carry out the life cycle assessment of their products with rigour, providing critical data to optimise resource efficiency, reduce emissions, and align with forthcoming environmental regulations. All while complying with intellectual property and data privacy.

The open call will close on the **1st November**. More information is available on the [Novafert website](#)

Project news

NUTRI-KNOW launched a webinar series on nutrient management



NUTRI-KNOW hosts a series of free webinars covering each step of the nutrient management value chain. Started on October 8, the webinars take place every Tuesday at 10:30 AM CEST until November 19. NutriKnow experts from institutions all over Europe will share their insights and answer your questions.

Find more detailed information on each webinar and the registration link [here](#)

Project news

Nenuphar: a look back at the first year



NENUPHAR held its 1st General Assembly on 17 and 18 September 2024 in Brussels, followed by the 5th ESNI Conference. The Conference was a great opportunity to present the activities and the work undertaken during the poster sessions and a workshop on governance, which gathered more than 50 participants from all the world.

By meeting with other stakeholders in the field of nutrient recovery, the members could also share their experiences, best practices, challenges and envision synergies and cooperation for

the future. An enabling environment for bio-based fertilisers is needed.

Read more [here](#)

Project news

Map of CO2 valorisation plants in Europe



Explore SEMPRE-BIO's interactive map of CO2 valorization across Europe, now available on their website. This tool highlights key locations where CO2 is converted into valuable resources, marked by specific industry applications. The map provides a quick overview of the scale of production and the diversity of utilization, helping stakeholders identify trends, opportunities, and strategic points for collaboration.

Explore the map [here](#)

Additionally, their Library has been updated with the latest publications from the consortium partners. Check it out [here](#)

Project news

The UNLOCK Networking Event: Advancing Circular Economy in Agriculture



Join UNLOCK for an exciting and innovative networking event focused on advancing the circular economy within the agricultural sector. This event will bring together industry leaders, experts, and stakeholders from across Europe to explore the transformation of agricultural waste into innovative, eco-friendly products. Discussions will highlight sustainable methods for repurposing agricultural by-products into valuable bioplastics and other bio-based materials.

Check the agenda and register [here](#)

Project news

AlgaeProBanos at Mission Arena 3

Following the success of the second Mission Arena in Riga last April, AlgaeProBanos is happy to announce its participation to next event in Amsterdam on 26-27 November 2024. This Arena will focus on the North Sea region, including the Netherlands, Belgium, western Germany, western Denmark, and northern France. Over two days, participants will discuss key blue economy issues like multi-use space, Mariparks, smart seas, security, marine protection, and energy production. The event will end with creating a roadmap to help achieve the EU Mission Oceans & Waters goals.

Read more [here](#)



Project news

ReJuice organises a workshop on green juice valorisation



Does your company or organisation want to valorise green waste? On 27th of November join ReJuice in Breda (NL) to discuss together about ways to valorise the liquid fraction of green waste streams into new applications. Your feedback will help the ReJuice project to set up co-creation clusters in the next phase.

Learn more about the workshop and register [here](#) (the event is in Dutch only)

FOLOU launches the Twinning Regions Programme



The Twinning Regions Programme is an initiative promoted by the FOLOU project to help European regions and their actors tackle the challenge of food losses detection, quantification and reporting in the primary production sector.

On 29 October, the FOLOU project partners will present what the program is about, how it is structured, why it is beneficial for your regions and their actors to join the program, and what kind of activities you can expect to perform if you are selected as a FOLOU Twinning Region.

You can register your interest in attending the meeting on October 29, 2024, by filling in the registration form [here](#)

Food for thoughts

FertiCycle - [Current challenges on the widespread adoption of new bio-based fertilizers: insights to move forward toward more circular food systems](#)

Lex4Bio - [Agronomic performance of novel, nitrogen-rich biobased fertilizers across European field trial sites](#)

Microalgae 4.0 - [Acclimated green microalgae consortium to treat sewage in an alternative urban WWTP in a coastal area of Central Italy](#)

BioReCer - [Main biological feedstock flows](#)

Event

ECOMONDO 2024

5-8 November 2024 - Rimini, Italy

Ecomondo is the key event for green and circular economy. It's the meeting place where industrial groups, stakeholders, policy makers, opinion leaders, local authorities, research bodies and institutions come together and put in place the key elements that define the strategies for the development of EU environmental policy.

More information and registration [here](#).



Event

European Biosolids & Bioresources Conference & Exhibition

19-20 November 2024 – Manchester, United Kingdom or online

The flagship European Biosolids & Bioresources Conference will deliver two unmissable days for wastewater, bioresource and biowaste management professionals; highlighting operational efficiencies, best practice, regulatory change, research and new technology. For full details visit www.european-biosolids.com or get in touch with frances.woodhead@aquaenviro.co.uk



Event

AlgaEurope 2024

10-13 December 2024 – Athens, Greece

Algae have become a multi-billion sector in terms of biotechnology development that is expected to grow rapidly, providing valuable goods and services in multiple applications. AlgaEurope is a unique opportunity to learn and understand all about algae production and commercialization and interact with over



400 key players from more than 45 countries.

[Register here](#)

The Biorefine Cluster is supported by the European Biogas Association (EBA), a no-profit organisation which advocates for recognition of biomethane and other renewable gases as sustainable, on demand and flexible energy sources that provide multiple knock on socio-economic and environmental benefits. Learn more [here](#)



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