

News on biobased resource recovery

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September - October 2023

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Dear circular economy enthusiast,

While October ends, we are back with a new issue of our Bulletin to update you on all the most relevant news from our community.

This month we are happy to welcome BYPROTVAl in our network. This project, funded under the LIFE programme, proposes the use of animal by-products as a raw material for the production of two higher added value products: retanning agents and amino acid-based fertilisers or biostimulants.

Discover more about the BYPROTVAl below.

In September we held the fourth edition of our major event, the ESNI Conference, which gathered 170 attendees contributing to the debate on the latest policies on nutrient recycling and the role of R&I projects in raising awareness on their benefits. The conference was also the occasion to launch the ESNI Community, a platform to foster the collaboration between initiatives on nutrient recycling.

Check below the ESNI mission and its upcoming activities.

Still, breaking news from projects of our community will enrich your reading and make you aware of their last developments and results.
And last but not least, do not forget to take a peek at publications and events we chose for you.

We wish you a pleasant reading!

The BCE Team

Our latest updates will be waiting for you at @Bioref_Cluster and www.biorefine.eu. See you there!

You wish to share any news with us? Get in touch! info@biorefine.eu

Biorefine community

BYPROTVAl joins our community



We are very happy to welcome BYPROTVAl in our community.

According to the European Fat Processors and Renderers Association (EFPRA), 17 million tonnes of animal by-products (ABPs) are managed annually in Europe, from which 2.85 million tonnes of animal fats and 3.65 million tonnes of processed animal proteins are produced, the rest is destined for landfill disposal or incineration. LIFE byProtVal proposes the use of these by-products as a raw material for the production of two higher added value products: retanning agents and amino acid-based fertilisers or biostimulants.

Read more [here](#)

Biorefine community

The ESNI Community has been launched!



In 2022, the Biorefine Cluster Europe, coordinated by Ghent University (Belgium), and the H2020 FERTIMANURE project, led by the BETA Tech Center (Spain), launched the Nutrient Recycling Community (NRC), a platform aimed to exchange knowledge and good practices and foster collaboration between initiatives and projects around nutrient recycling in Europe.

The NRC has recently been re-branded into the European Sustainable Nutrient Initiative (ESNI) to acknowledge the interconnection with the annual ESNI Conference, launched by the BCE in 2019 to bring together EU projects, stakeholders and EU officials with the ambition to keep nutrient management high on the EU agenda!

Learn more on the ESNI community and its upcoming activities [here](#)

Biorefine community

The 2023 ESNI conference calls for clear legislation to drive nutrient recycling forward and to realise more sustainable and resilient farming systems



After three successful editions, the Biorefine Cluster Europe organised their 4th European Sustainable Nutrient Initiative (ESNI) Conference on 20 September 2023 in Brussels. More than 170 people with various backgrounds attended and contributed to the discussions at this conference on nutrient recycling and recovery.

Closing nutrient cycles is essential to develop a more efficient and sustainable food and feed production systems and protect the environment. However more action needs to be undertaken to develop a holistic approach to nutrient management. On technical, commercial and regulatory level, there are still barriers that need to be dealt with.

Read more [here](#)

Project news

FOLOU is looking for experts to debate and discuss about key topics related to Food Loss



Among others, one of the main contributions expected from the FOLOU project in the long term is that it will help to promote the harmonization between regions of the methodologies to record the Food Loss in the primary sector.

To achieve this objective, the project consortium is working to build consensus around important issues related to Food Losses.

FOLOU is looking for experts to discuss and debate the key topics on food losses. If you are interested in sharing your knowledge on the topic, complete the consultation questionnaire and get engaged with FOLOU!

Check more [here](#)

Project news

Novafert developed a database on alternative fertilisers products



Novafert

Novafert developed a database on alternative fertilisers products, which includes data from 76 value chains derived from six secondary raw materials: treated manure, digestate, sewage sludge, wastewater, bio waste, and biological byproduct.

You can browse all accessible data by scrolling from top to bottom (by products and technologies) or left to right (through all various parameters). You can filter the products, technology, and/or secondary raw materials by using the top drop-down menu. . This database provides an extensive portrayal of the current state of the art for several alternative fertiliser products while revealing knowledge gaps that require attention for the advancement of their utilisation. The overview will be available for all stakeholders to assess.

[Check it out!](#)

Project news

Bionanopolys is looking for Advisory Board Members!



The Bionanopolys Ecosystem is an integrated open innovation environment offering end-users technical, legal, regulatory, safety, environmental, economic and financial support. The Ecosystem will operate independently, offering a holistic solution, including infrastructure, capabilities and all associated services, easy to find, accessible, transparent and interoperable, through a unique access point.

As part of the management structure of the Ecosystem, an Advisory Board formed by up to 7 parties will be created to support its strategic mission and business growth.

Are you interested in joining the Bionanopolys team as an Advisory Board Member? Check it [here](#)

Project news

Model2Bio published a white paper on food and drink waste management



Model2Bio published a white paper which analyses the potential of the vegetable, dairy, beverage and meat sector and shows some of the most relevant agri-food by-products in Europe: potato peel, grape pomace, cheese whey and brewer's spent grain. It presents innovative technologies to valorise these residual streams and identifies promising value chains. The white paper lists key barriers and limitations that make valorisation difficult as well as policy recommendations.

Download the white paper [here](#).

Project news

Challenges and opportunities in the production and use of biomethane



Sempre-BIO invites you to the webinar '**Challenges and opportunities in the production and use of biomethane**', which will take place on 15 November from 9:00 to 14:00. The event will discuss the future prospects of biomethane as a sustainable alternative to fossil fuels.

A great opportunity to learn more about the project, which aims to find new profitable ways to produce biomethane.

Language: Spanish (the event will be recorded and published with English subtitles)

For participation, please register here: https://bit.ly/biometano_presencial

Project news

The LOOP cluster is ready to take over the ecological transition at ECOMONDO fair



The LOOP cluster, composed by [Agro2Circular](#), [FRONTSH1P](#), [Circular Foam](#) and [EcoeFISHent](#), will be present on November 9th at ECOMONDO fair with the informative space.

[ECOMONDO](#) is the reference event in Europe for the ecological transition, where you can find all sectors of the Green and Circular Economy on a single platform. It systemises the key elements defining the development strategies of the European Union's environmental policy and brings together knowledge and innovations from all Europe and the Mediterranean basin.

Read more [here](#)

Project news

Fer-Play: mapping and assessing alternative fertilisers made from secondary raw materials



FER-PLAY aims to raise awareness among fertiliser producers, end-users and local administrations, to overcome their concerns and foster the widespread uptake of alternative fertilisers. Thus far, the consortium has successfully identified the seven most promising value chains for circular fertiliser production, and established a database to make such information more accessible to a wider audience.

Read more [here](#)

Food for thoughts

LEX4BIO - [Simultaneous detection of pesticides and pharmaceuticals in three types of bio-based fertilizers by an improved QuEChERS method coupled with UHPLC-q-ToF-MS/MS](#)

LEX4BIO - [Organic contaminants in bio-based fertilizer treated soil: Target and suspect screening approaches](#)

Re-Source Lab - [Nutrient recovery and recycling from fishery waste and by-products](#)



NERM - Nutrients in Europe Research Meeting 16-17 April 2024 – Brussels & online, Belgium

NERM (Nutrients in Europe Research Meeting) is organised by ESPP, FERTIMANURE, LEX4BIO, RUSTICA, SEA2LAND and WALNUT. NERM will discuss key outcomes of recent nutrient recycling R&D under Horizon 2020, other EU -funding programmes; roadmap for future nutrient recycling R&D needs; nutrient recovery technologies and recycled fertiliser production, among others.

[Continue reading](#)

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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