

News on biobased resource recovery

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April - May 2023

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Dear circular economy enthusiast,

We are back with a new issue of our Bulletin, gathering all the most relevant updates from our community.

This month we are happy to welcome FOLOU and BioReCer in our network to start working together to the transition towards a more circular economy. Check below and discover more about their goals and activities.

New inspiring initiatives are on track for you! The ESNI Conference will be back on 20 September in Brussels to discuss the latest policies on nutrient recycling and the role of R&I projects in raising awareness on the benefits of nutrient recovery. More information will be shared soon.

Few more days are left to subscribe to the 3rd Nutri2Cycle summer school which will offer participants a first-hand knowledge on the needs of the farming sector. Learn more on the

program below and do not forget to register!

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

FOLOU and BioReCer join our community



We are very happy to welcome FOLOU and BioReCer in our community.

FOLOU will work to reduce food loss at the primary production level by setting up a mechanism to measure, monitor and assess the magnitude and the impact of food losses.

Learn more on the project [here](#) and subscribe to its newsletter.

BioReCer aims to ensure the environmental performance and traceability of the biological feedstock used by the bio-based industries, deploying guidelines to strengthen the current certification schemes.

Read more [here](#)

Biorefine community

The ESNI Conference will take place on 20 September in Brussels



The European Sustainable Nutrient Initiative - ESNI Conference will take place on **September 2023 in Brussels, Belgium.**

Being one of the major events on nutrient recycling, the ESNI Conference will provide a comprehensive framework of the policies promoting the nutrient recycling and recovery (NRR) at European level as well as a focus on the role of EU-funded R&I projects in contributing to raise awareness on the benefits of nutrient recycling and reuse.

More information on the event will be shared soon. Stay tuned!

Project news

RE-Source seminar series: Value Chain Assessment



The final session of the RE-Source seminar series on Value Chain Assessment is scheduled for June 15th from 14h to 16.30h. There will be three topics covered during the online webinar on the Value Chain Assessment of Bioresource Recovery:

- 1) Optimization of the value chain,
- 2) Detecting barriers and levelers when facilitating cooperation within the value chain,
- 3) Augmenting the value chain: from stakeholders to eco-systems.

Read more and register [here](#)

Project news

Nutri2Cycle is organising its 3rd summer school in Barcelona



The third edition of the Nutri2Cycle international summer school will take place from 7 to 9 June 2023 in Barcelona, Spain.

The course will offer participants a first-hand knowledge on the needs of the farming sector.

The program includes lectures on the main research lines investigated by the project as well as two workshops focused respectively on the sustainability assessment on nutrient recovery and recycling and on the emission monitoring and abatement in manure processing.

A breakout session on the latest development of the legal framework will enrich the course, providing food for thought and favoring the discussion on the current gaps in the nutrient cycles.

Read more and register [here](#)

Project news

Novafert released its first newsletter!



Novafert

NOVAFERT demonstrates the technical, economic, and environmental feasibility and safe use of a wide portfolio of at least 25 alternative fertilising products, containing recovered nutrients from 6 different waste streams, with the goal of facilitating the replacement of synthetic and mineral fertilisers.

The project released its first newsletter where you can find major information on the project activities and upcoming initiatives.

Check the newsletter [here!](#)

Do you want to know more about project? Check the website [here](#) and [subscribe to our newsletter](#) to be updated on the forthcoming activities.

Project news

Key Lex4Bio Outputs – e-booklet



The LEX4BIO e-booklet features two scientific papers produced in result of soil scientists research within LEX4BIO. LEX4BIO evaluated the potential of BBFs to replace mineral P fertilizers at the EU level by utilizing existing soil P data and fertilization trials. This study showed that majority of crop P demand can be covered with BBFs.

Read more [here](#)

Project news

SEMPRE-BIO's officially online!



SEMPRE-BIO is proud to announce the launch of its official media channels on [LinkedIn](#), [Twitter](#) and [Facebook](#), and its [website](#).

Through three different European Biomethane Innovation Ecosystems (EBIEs) and using three different types of feedstocks (wastewater, green waste and cattle manure), SEMPRE-BIO aims to contribute to the energy transition by developing and demonstrating innovative technologies to produce clean biomethane.

For more information, check out SEMPRES-BIO's website and social media.

Project news

How is Photo2Fuel contributing to sustainable CO₂ conversion



The European Commission has set an ambitious goal to achieve by 2050: being the first climate-neutral continent. But lowering emissions is not easy, as the majority of them come from the field of energy production. Consequently, the EU-Funded project Photo2Fuel wants to help scientific research and society by developing a system that has very few (if none) precedents yet. Photo2Fuel aims to develop a breakthrough technology that converts CO₂ into sustainable fuels and chemicals employing microorganisms and using only sunlight as an energy source. How will this be possible? Read the article written by Photo2Fuel researchers to discover it.

Read more [here](#)

Project news

MicroAlgae 4.0 published a paper on transforming wastewater treatment plants into reclaimed water facilities in water-unbalanced regions.



MicroAlgae 4.0

Water reuse appears essential to satisfy future water demands, helping to reduce hydric stress in water-unbalanced regions. The water sector needs to develop some structural changes, not only including the transformation of wastewater treatment plants (WWTPs) into novel reclaimed water facilities (RWF), but also some shifts regarding social, political and legal factors. This manuscript aims to provide a systemic, novel and updated vision of the water treatment sector and to give some recommendations for the implementation of wastewater reuse, with a special focus on Italy.

Read the publication [here](#)



Fertimanure - Belgian on-farm pilot for the production of bio-based fertilisers
- Explanatory video

Food for thoughts

ReNu2Farm CAP - [Protocol on the practical RDF application for horticultural sector \(greenhouse trials\)](#)

Nutri2Cycle - [Benefits of biobased fertilizers as substitutes for synthetic nitrogen fertilizers: Field assessment combining minirhizotron and UAV-based spectrum sensing technologies.](#)

Job Opportunities

WaterCircle - [Communicatie/administratie medewerk\(st\)er](#) - (Dutch only)



White Ammonia Research Meeting

7 June 2023, Brussels and hybrid

The European Sustainable Phosphorus Platform (ESPP) has broadened its scope to facilitate and encourage the recycling of nitrogen as well as phosphorus. As part of this new initiative, ESPP is organising a meeting on White Ammonia and N-recovery Research (WARM), in Brussels and hybrid on 7th June, to explore the issues and challenges this involves

[Continue reading](#)



EUBCE

5 - 8 June 2023, Bologna & hybrid, Italy

EUBCE is the largest biomass conference and exhibition in the world.

Each year, EUBCE brings together the greatest minds and latest advancements in biomass, with the aim of accelerating research and market uptake across the globe.

During the conference, over 2,000 experts from both academia and industry share and discuss groundbreaking ideas, technologies, applications, and solutions for the sourcing, production, and utility of biomass.

[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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