

News on biobased resource recovery

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June - July 2023

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Dear circular economy enthusiast,

Before the summer break, 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 UPLIFT and NINFA 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. Learn more on the programme below and discover which projects will be involved in the conference!

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

UPLIFT and NINFA join our community



We are very happy to welcome UPLIFT and NINFA in our community.

[UPLIFT](#) project is developing scalable enzymatic and microbial conversion processes to selectively depolymerize and upcycle plastic packaging waste currently considered unrecyclable.

[NINFA](#) aims to facilitate the transition to a more effective decision-making system in groundwater management, by widening the knowledge on water flows, the in-situ mobility and transformation of contaminants of emerging concern (CEC) and establishing predictive models to promote the treatment and reuse of water and its quality.

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.

Check the preliminary programme and register [here](#)

Biorefine community

All good things come to an end... Nutri2Cycle organises its final conference



The Nutri2Cycle consortium is delighted to invite you to join its final conference, taking place from 19 to 21 September in Ghent and Brussels (BE).

During these three days, Nutri2Cycle partners will showcase best practices, innovations and management changes to increase awareness among farmers communities of the need for integrated approaches to reduce carbon (C), Nitrogen (N) and Phosphorus (P) losses.

Stay tuned to learn more about the preliminary programme!

Project news

The FOLOU website is available online!



The FOLOU website is now online!
Visit www.folou.eu to discover more on the project scope and its activities!

Do you want to be updated on the latest from the project? Subscribe to the newsletter by clicking [here](#)

Project news

Novafert published a report on EU nutrient recovery technologies and derived products



Novafert

NOVAFERT published a report which compiles information on nutrient recovery technologies and products across Europe from regions own resources and from existing EU projects and nutrient recovery platforms.

This will feed information to create an easily accessible online inventory and map nutrient orientated labs which a selected number will serve as lighthouse demos.

Read more [here](#)

Project news

HighFly released its first newsletter



The first edition of the HIGFLY newsletter is now published!

You can read about project progress, updates, sector news and related events and synergies with related projects.

Check the newsletter [here](#)

Project news

Come and check SEMPRES-BIO's monthly blogs!



SEMPRES-BIO

Check the SEMPRES-BIO monthly blogs on the [News & Events](#) section. You can find the [KickOff meeting](#) presentation, [The potential of Biomethane in Europe](#), with some of the fundamentals of biomethane and the current state-of-play for the sector in Europe, and their latest blog, [The Future of Biomethane: Innovations and Trends](#), which looks into the future of biomethane, exploring where the sector might be heading over the next decade. Follow the project on [LinkedIn](#), [Twitter](#) and [Facebook](#) and don't miss any of their posts!

Project news

Agro2Circular published an article on plasticulture



In the perspective of a more efficient circular agriculture and sustainable, recovery and reuse of plastic waste are key questions for the future of agricultural plastics. In Spain, CETEC leads a European research project on the recovery and reuse of disinfection plastics. Blasi Martínez Ruiz, director of the CETEC laboratory, presents Agro2Circular work and goals.

Read more [here](#) (Spanish only)

Project news

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



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](#)

Project news

OLEAF4VALUE and Model2Bio win the Circular Bio-Based Europe photo competition 2023



OLEAF4VALUE and Model2Bio, two of our members, are winners of the CBE JU photo competition this year. OLEAF4VALUE convinced the jury in the category “People’s skills in bio-based industries” with a photo showing a worker of an olive leaf biomass factory in Extremaduar, Spain. Model2Bio won with an animated video in the category “short videos”. The artwork of the two projects prevailed against 93 submitted visuals and the projects were rewarded a ticket to the EFIB conference on 24 and 25 October in Rotterdam, the Netherlands. The competition’s objective was to showcase the project’s impact through the lens of high-quality photos and videos.

Take a look at the seven winning artworks [here](#)

Project news

CHEERS is paving the way towards the exploitation of underused biomasses



The brewery sector is a clear example of bio-based industries where large amounts of low-value or underused organic solid by-products such as bagasse, wastewater, and biogenic gases such as CO₂ and methane (CH₄), are underused or even a wastage of valuable carbon, which represents unique and unexploited business opportunities.

[CHEERS biorefinery](#) conversion bioprocesses are inspired and supported by natural biological processes engineered into 2 innovative bio-based conversion platforms: insect and microbial-based.

Read more [here](#)



The F-Cubed project aims to bring the concept of a [#circulareconomy](#) in Europe a step closer by developing technologies that can turn organic waste streams into intermediate [#bioenergy](#) carriers that can help balance the power grid, provide a sustainable alternative to fossil fuels, and also generate value added products like [#biogas](#) [#nutrients](#) and [#essentialoils](#). In this video, you can learn more about F-CUBED's core technology, the TORWASH reactor, and how this technology can benefit a wide variety of industries by reducing waste residue handling costs, valorising the waste streams for energy production, extracting value added products, and reducing [#greenhousegas](#) emissions.

Food for thoughts

Nutri2Cycle - [Moringa oleifera Lam. as a Bioflocculant for Harvesting Microalgae Grown on Agricultural Wastewaters for Feed Production](#)

Job Opportunities

UGent - [Postdoctoral researcher in the framework of the Nutribudget project](#)

UGent - [Postdoctoral researcher in the framework of the Soilutions project](#)



Vlaams bio-energie forum 3 October 2023, Drogen, Belgium

On Tuesday 3 October, Biogas-E and ODE Bio-Energieplatform organize the first Vlaams Bio-Energieforum ([Flemish Bio-Energy Platform](#)). Topics linked to anaerobic digestion as well as the latest developments and innovations in energy generation from solid biomass are discussed.

This event is the perfect opportunity to network with professionals, exchange ideas and stay up-to-date with the latest trends

and technologies. The event takes place in the historic and authentic setting of the Oude Abdij Drongen, which offers a unique background for fascinating discussions.

[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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