



March - April 2024

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Dear circular economy enthusiast,

As April unfolds, our latest Bulletin is here, bringing you all the latest updates and relevant news from our community. Stay in the loop and explore the highlights as we navigate the happenings together.

This month, we are happy to welcome two projects to our network: **ReNu2Cycle** and **Agriloop**. Discover more about them below. Also, the latest news from several projects of our community will enrich your reading and update you on their latest developments and achievements.

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 team at the Biorefine Cluster Europe

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

ReNu2Cycle and Agriloop join our community!



We are very happy to welcome the ReNu2Cycle - and Agriloop project in our community.

The ReNu2Cycle project, co-funded by the EU and Interreg North-West Europe, aims to reduce Northwestern Europe's reliance on fossil-based fertilisers, promoting Recycled Derived Fertilisers (RDF's) through collaboration, innovation and sustainable agricultural practices. Read more [here](#).



Agriloop aims to extend the agricultural production value of two major players of the global bioeconomy: the European Union and China, by eco-efficiently upgrading under-exploited residues into a portfolio of high added-value bio-products able to generate new bio-based markets or to compete with, and gain market share of, oil- and food crop based equivalents. Read more [here](#).

Project news

7 European Research Projects give joint feedback on the Nitrates Directive Evaluation.

On March 8, seven European Research Projects gave their joint input on the Nitrates Directive Evaluation, providing scientific technical evidence and policy-oriented advice on topics related to circular economy in general and nutrient recycling in particular.

In a joint paper, the involved research projects make clear statements on the implementation of the ReNure criterion and the adaptation of the legal status of ammonium salts from off-gases as validated solutions that can and need to be implemented, amending the current Nitrate Directive. The European Sustainable Nutrient Initiative (ESNI), part of the Biorefine Cluster Europe, acted as a leverage to compile this joint paper.

Find more information and the full paper [here](#).



Project news

SEMPRE-BIO's webinar on 'Challenges and Opportunities in the Production and Use of Biomethane' is now available online!



Discover the latest addition to SEMPRE-BIO's website, the highly anticipated webinar 'Challenges and Opportunities in the Production and Use of Biomethane.' Held in Barcelona on November 15th, this event was a huge success, drawing together industry leaders, experts, and renewable energy enthusiasts. Now, you can delve into the rich discussions and insights shared during the webinar, as the recording is available online. Plus, to ensure inclusivity, English subtitles have been provided for non-Spanish speakers, allowing for seamless engagement and learning. Don't miss out on this valuable resource!

Watch the webinar [here](#).

Biorefine community

HIGFLY's second newsletter has been released!



In HIGFLY's latest newsletter, you will discover updates on the project's research into deep eutectic solvents, the HiGee reactor, and catalytic processes. You will also get insights into the latest developments in the sustainable aviation sector, notifications on upcoming events, and introduced to a related project BioSPRINT.

Read more [here](#).

Project news

Don't miss HOOP Handbooks and the Policy & Cities Conference!



Collection and valorisation of urban biowaste

Tools and resources for cities and regions



The HOOP project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N°101000836.



The HOOP project is almost turning 4 years old and has already a lot to share. Don't miss the [HOOP Policy and Cities Conference](#) in Brussels on 04-05 June and the recently released handbooks, that squeeze their lessons learnt into just a few pages. On the [HOOP Library \(Reports\)](#) you find the handbooks on "Collection and valorisation of urban biowaste" and "Engaging stakeholders for the urban bioeconomy". Want to dive deeper? Register as a user of the [HOOP Hub](#) and experience the full potential of evaluation tools – the [Project Maturity Level](#), the [Circular Valuation Method](#) and the [Bio-circularity Label](#) – contents, networking and support infrastructure. Finally, the project is thrilled to announce the "[Urban Circular Bioeconomy Webinar Series 2](#)", with episodes to be broadcast between 07 and 30 May.

Project news

The BioDEN project has published three factsheets!

The BioDEN factsheets comprise an overview of the undertaken experiments and their objective, set-up, results and conclusion. These were recently complemented with factsheets on phosphorus recovery from the liquid fraction of digestate [via struvite crystallisation](#) and [adsorption on Fe-modified biochar](#). As well as recovery of phosphorus from the solid fraction of digestate by [leaching with alternative acids](#).



Do these trigger you to find out more about technologies beyond the state-of-the-art such as vacuum stripping, ammonia scrubbing with alternative acids, phosphorous recovery as struvite or with biochar and phosphate leaching with scrubbing liquids? Join BioDEN at their online closing event on the 18th of April from 15h00 to 16h00 (CET). [Register here.](#)

Project news

Call for participation in the RRB Biobased Market!



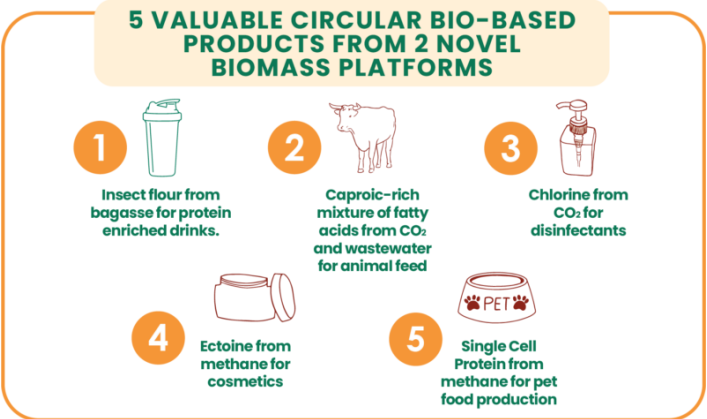
The 20th edition of the **International Conference on Renewable Resources & Biorefineries** will take place in Brussels, Belgium from Wednesday 5 June until Friday 7 June 2024. At the event, a Biobased Market will take place in which companies, institutes, start-ups and projects are warmly invited to show their biobased products and innovations to the RRB community, contributing to the advancement of a more sustainable biobased and circular

economy. During a live entrepreneurial pitch session, you will be able to talk about your novel idea or start-up story to a broad audience. At your booth, you can engage attendees with demonstrations of your biobased products, hands-on experiments, and insightful discussions with RRB participants. Interested in showcasing your product at this dynamic biobased market free of charge? Contact Dominique Delmeire, dominique.delmeire@UGent.be

More information and registration details can be found [here](#).

Project news

The CHEERS project has published 2 articles!



The CHEERS project has released an article on '[Exploring Opportunities for Implementation of CHEERS Technologies](#)' as well as one on '[Legal barriers for CHEERS project](#)'. Check them out!

Food for thoughts

HIGFLY - [Catalytic Condensation of Biobased Molecules for Jet Fuel Synthesis](#)

Re-Source Lab - [Evaluation of agronomic efficiency and stress resistance on Swiss chard via use of biostimulants](#)



Event

FOLOU webinar - Navigating Reliable Diagnoses for Measuring Food Losses in the Primary Sector of the Supply Chain
11 April 2024 - online

The FOLOU project is organising three webinars on Food Loss. The first session '[Defining Food Loss in the European Union Framework](#)' was held on March 14. The second meeting 'Navigating Reliable Diagnoses for Measuring Food Losses in the Primary Sector of the Supply Chain' will be held on 11 April and will introduce FOLOU's proposals for quantifying and collecting both quantitative and qualitative data in each primary sector.

Register [here](#) and read more [here](#).

Event

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

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](#)



2nd MISSION ARENA
25-26 April 2024
Riga, Latvia



REGIONAL FOCUS ARENA 2
ESTONIA
LATVIA
LITHUANIA
FINLAND | South
SWEDEN | South-East

bluemiSSIONbanos.eu [in](#) [t](#) [#bluemiSSIONbanos](#) arena@bluemiSSIONbanos.eu

Event

AlgaeProBanos | Blue Mission Arena 2

25-26 April 2024 - Riga, Latvia

The AlgaeProBanos project will be attending Blue Mission Arena 2 which will take place at [H2O 6 kvartāls event hall](#) in Riga, Latvia on 25-26 April 2024. This Mission Arena focuses on regional actors in Estonia, Latvia, Lithuania, Finland and East Sweden. The key stakeholders in this Arena will be Mission Ocean-relevant actors who will have the opportunity to engage with current and future actions in this region. Over the course of two days, AlgaeProBanos wants to inspire you to showcase progress, discuss open needs, and plan the next steps to transform this region's blue economy to be more carbon-neutral, environmentally friendly, and circular. All participants will have the chance to vote on the Roadmap towards Mission Ocean and Water's success for this region at the final Mission Assembly.

More information and registration [here](#).



Event

Nutricycle Vlaanderen | Van labo naar het veld: circulaire meststoffen in de praktijk / From lab to field: circular fertilisers in practice

26 April 2024 - Ghent, Belgium (Dutch event)

Do you speak Dutch and are you curious about the future of Flemish agriculture? On 26 April, Nutricycle Vlaanderen, together with Novafert, ReNu2Cycle and Soilutions, invites Flemish farmers, knowledge centres and companies to discuss alternative fertilisers such as frass, struvite and ammonium salts, which can potentially replace traditional artificial fertilisers. Companies putting innovation into practice will be among the speakers too.

More information and registration [here](#).

Event

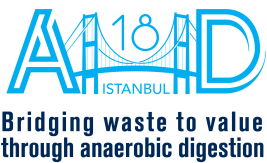
ALFA Webinar - Challenges and needs for the uptake of biogas in livestock farming in Europe

23 May 2024 - online



ALFA's webinar on Challenges and needs for the uptake of biogas in livestock farming in Europe will be organized on the 23rd of May, the first of 6 webinars from the ALFA project. White Research will present a series of identified barriers, needs and enabling factors to the uptake of biogas in livestock farming, based on European-wide surveys of experts and citizens. The EBA will present the current status of biogas in Europe and the benefits of increasing adoption.

Register for the ALFA webinar [here](#).



Event

IWA AD18 - World Conference on Anaerobic Digestion (18th edition)

2-6 June 2024 – Istanbul, Turkey

The 18th World Congress on Anaerobic Digestion is one of the most important international events in anaerobic technologies, where the latest developments and innovations in the field of anaerobic technologies will be discussed by academicians, researchers, representatives of the public and private sectors around the world. The event includes workshops, keynote lectures, interactive discussions, exhibitions, technical tours and social events.

[Continue reading](#)

Event

RRB 2024 - International Conference on Renewable Resources & Biorefineries

5-7 June 2024 – Brussels, Belgium



At the 20th edition of the RRB Conference, people from university, industry, governmental and non-governmental organizations and venture capital providers will present their

views on industrial biotechnology, sustainable (green) chemistry and agricultural policy related to the use of renewable raw materials for non-food applications and energy supply. The overall theme of this anniversary edition: Impacting Sustainable Development Goals by renewables

[Continue reading](#)



Save the date

ESNI CONFERENCE 2024
18-20 September 2024 – Brussels, Belgium

SAVE THE DATE!

The ESNI conference of 2024 will take place in September 2024! Keep the dates of Friday 18, Wednesday 19 and Friday 20 September free in your calendar for this next edition.

[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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