

News on biobased resource recovery

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Dear circular economy enthusiast,

We are back again to share with you a new issue of the Biorefine Bulletin, gathering fresh news from the circular economy sector.

This week the Biorefine Cluster launched its first BCE webinar, offering a platform for discussing sustainability and carbon footprint in the dairy farms. In this issue, you will read the outcomes of the event, in which projects of our community shared their experiences and the achieved results.

Nutrient recycling from waste-derived algae will be then discussed in the upcoming ESPP webinar, where regulatory obstacles will be addressed along with the possible valorisation routes and the market potential.

Lastly, to enrich your reading we are sharing with you breaking news from projects of our network, which will keep you updated on their latest activities.

And to make your reading even more interesting, do not forget to take a peek at the upcoming 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

Circular economy

The BCE launched its webinar series on biobased resource recovery



Last Wednesday, the Biorefine Cluster Europe held the first BCE webinar on 'Sustainability and carbon footprint in the dairy farm'. During the event, experts from the sector showcased their experiences from EU projects and discussed the achieved results.

Read [more](#) on the outcomes of the event and stay tuned for the next webinars to come!

Circular economy

ESPP Webinar on regulatory questions for nutrient recycling from waste-derived algae



The European Sustainable Phosphorus Initiative (ESPP) is organising a webinar on regulatory questions for nutrient recycling from waste-derived algae. During the event, it will be discussed regulatory obstacles to nutrient recycling/reuse from waste-derived algae / micro-algae, potential valorisation routes and possible approaches to address key regulatory questions identified. The event will be held on 22 March from 9:00 to 13:00 CET.

Discover more on the programme [here](#) and join the debate online!

Project news

First analysis on the market landscape and of the end-users preferences in the project-participating EU States



FERTIMANURE unveils its first analysis of the market landscape and of the end-users preferences in the project-participating EU states.

The report focuses on the present farming and agrifood production structure in Europe, analysing the evolution of European agricultural production, effects of nutrient balances on agricultural sector and legislative framework related to fertilisers production and consumption.

Next to EUs fertilizer market, special emphasis is deserved to the CELAC market.

[Read more here](#)

Project news

Biogas-E organises the 7th edition of the Flemish Biogas Forum



On Thursday 6 May 2021, Biogas-E, the knowledge platform for anaerobic digestion in Flanders, organizes the 7th edition of the Flemish Biogas Forum ('Vlaams Vergistingsforum').

During this forum, the newest developments and latest updates for the (Flemish) biogas sector will be presented. Several experts will discuss various themes, including innovations in Flanders, public image and the shift to green energy.

(the event will be held in Dutch)

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

Project news

Life DOP comes to an end



On the 1st of March, LIFE DOP is due to end. In the four years, the project has shown that it is possible to lower the environmental footprint of milk and cheese production in the context of the two major Italian PDOs: Parmigiano Reggiano and Grana Padano. The cornerstones of the model are the anaerobic digestion of slurry, the management of digestate through precision distribution techniques and the optimization of herd management. The commitment to these practices is economically sustainable and reduces climate-altering emissions from milk production between 8 and 12%.

Learn more on the project [here](#)

Project news

Latest news from LEX4BIO



LEX4BIO aims at optimising usage of bio-based fertilisers (BBF) from side-streams, ensuring their safety, building evidence-based trust in their usage and developing legislative framework for their use. Within the project activities, phosphorus fertilisation value of broad range of bio-based fertilisers (BBF), covering organic, organo-mineral and mineral BBFs from 7 material categories, have been selected and distributed for testing in five field experiments from Finland to Spain.

Read more [here](#)

Project news

Phos4You: Demonstrator to recover Phosphorus from waste water currently being operated at University of Liège



A new process called PULSE (Phosphorus ULIège Sludge Extraction) for recovery of phosphorous (P) from dried sewage sludge has been developed at ULIège within the framework of the Phos4You project. The research work is jointly funded by Interreg North-West Europe and Walloon region.

Read more [here](#)

Project news

GRASS2ALGAE - Recycling nutrient from grass clippings for the production of circular proteins



In 2020, the Department of Agriculture and Fisheries (Flanders) launched a call for the submission of project proposals from operational groups within the framework of the Rural Development Programming Document. In total, twenty-four operational groups in different sectors were selected, including our very own Grass2Algae in the Circular Economy topic.

Read more [here](#)

Food for thought..

[Science of the Total Environment - LEX4BIO - Predicting relative agronomic efficiency of phosphorus-rich organic residues](#)

[Science Direct - ALG-AD project - Towards a circular economy: A novel microalgal two-step growth approach to treat excess nutrients from digestate and to produce biomass for animal feed](#)

Upcoming events

Save the date!

RRB 2021
RENEWABLE RESOURCES & BIOREFINERIES



Interreg 
EUROPEAN UNION
North-West Europe
Phos4You
European Regional Development Fund

RRB 2021- Renewable Resources and Biorefineries

6-8 September 2021, Aveiro, Portugal

The 17th edition of the International Conference on Renewable Resources & Biorefineries will take place in Aveiro, Portugal from Monday 6 Sept until Wednesday 8 Sept, 2021. Delegates 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.

[Continue reading](#)

RAMIRAN 2020

20-23 September 2021, Cambridge, United Kingdom

RAMIRAN "Recycling of Agricultural, Municipal and Industrial Residues in Agriculture Network" is a research and expertise network set up over 25 years ago to improve nutrient utilisation and minimise the environmental impact from livestock manure and other organic material use in agricultural systems.

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Phos4You Final Conference

22-23 September 2021, Essen, Germany & online

After four years of cooperation, the Phos4You partnership would like to invite you to the project's final conference. The programme will include plenaries, multi-stakeholders discussions, a poster exhibition, an excursion to a Phos4You

demonstrator and plenty of opportunities to enjoy, exchange and network. Speakers will be Phos4You actors in the fields of wastewater treatment and sewage sludge incineration, recovery processes and research.

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ManuResource 2021

24-25 November 2021, 's Hertogenbosch (NL)

Circular agriculture with low emissions and nutrient recovery from manure is high on the European Union agenda. ManuREsource is an international triple-helix conference for scientists, policy makers, consultants, farmers and professionals on the theme of manure management. The conference aims to accelerate the transition towards a circular economy by exchanging experiences and knowledge with concerned international stakeholders and policy makers

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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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