

News on biobased resource recovery

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Dear circular economy enthusiast,

Before November ends, we are back with a new issue of our Bulletin to share the most relevant updates from our network!

This has been a busy month for projects of our community, thus we are happy to present you the activities they performed, their key achievements as well as the latest initiatives, aimed at optimizing the dissemination and knowledge exchange within the domain of biobased resource recovery.

As usual, 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

NutriCycle Vlaanderen organises a seminar on nutrient recovery



Keen to know more on the latest developments in nutrient recovery? Join the seminar organised by NutriCycle Vlaanderen on 6 December. You will enjoy a day full of inspiring presentations, break-out sessions and a networking reception.

Projects of our community, such as Nutri2Cycle, ReNu2Farm and Fertimanure, will share their experience and results achieved.

Read more and register [here](#) (*The event is in Flemish only*).



Marco Ugolini from CARE FOR Engineering describes the importance of life cycle assessments for the F-CUBED project and novel technologies like the TORWASH

reactor, in terms of providing additional value and reducing the environmental impact of industries that have large amounts of organic waste streams.

Project news

Halfway through OLEAF4VALUE: from the valorisation of olive leaves to the exploitation of high value-added biobased products



OLEAF4VALUE is a BBI-JU, H2020-funded EU project that aims to extend the useful life of olive leaves, solving the problem of their removal from the fields while obtaining high added-value bioactive products with high-market potential.

OLEAF4VALUE has progressed significantly at each stage of the project development during the first 18 months of exhaustive work.

Read the [press release](#) to learn more on the key achievements of the project.

Project news

The final conference of Circular Agronomics



Circular Agronomics comes to an end. The consortium presents its final results and innovations to develop a more sustainable agriculture with a circular management of carbon and nutrients in Europe.

The key outcomes of the project like the policy recommendations will be highlighted and discussed with the relevant stakeholders, including citizens, the European Commission, representatives of other H2020 projects, researchers, and technology companies.

Read more [here](#)

Project news

Nutri2Cycle joined an internal workshop organised by the European Commission to discuss food security



On 22 November Nutri2Cycle was invited by the European Commission to join their internal workshop on food security and discuss how research and innovation can concretely contribute to address the challenges we face currently at global level. Professor Erik Meers, coordinator of Nutri2Cycle, presented the overall concept of the project and how its outcomes can feed nutrient efficient agriculture in Europe and contribute to food security with decreased external inputs.

Read more [here](#)

Project news

AgriWasteValue: How to create a local hub for transforming pruning residues into energy and fertiliser



This case study describes the complete cycle beginning with the collection of pruning residues in orchards to energy production and finishing with fertiliser application on the fields. Particular attention is given to the Belgian landscape.

Read more [here](#)

Project news

ReNu2Farm CAP: Recovered fertilizers in horticulture



Phosphorus is an essential nutrient on which agriculture is highly dependent for its fertilization. However, the EU is largely dependent on imports of phosphorus which also determines sensitive relations at geopolitical level. An alternative is to recycle phosphorus as a recovered fertilizer within a circular economy model. This is precisely the focus within the capitalisation part of the Interreg project ReNu2Farm, which is currently investigating the potential of recovered fertilisers in horticulture.

Check the article [here](#) (available in Flemish only)

Project news

Unveil the hidden value of agrifood sector residues with Agro2Circular



Agro2Circular is EU funded project born to mitigate the impact of the agrifood sector on EU food waste, economy and pollution. Agro2Circular vision for the future of agrifood industry tackles the current system affected by inefficient sorting and recycling food and vegetable waste and multilayer plastic film. Nowadays, the great part of agrifood residue is not recycled but ends up in landfills and incinerators. These aren't the only options available, though.

Read more [here](#)

Project news

Environmental, health and safety and regulatory considerations of nanomaterials



Nanotechnologies and nanomaterials have created a high interest in recent years due to their unusual mechanical, electrical, optical and magnetic properties and a wide range of potential usages that could produce advancements in medical treatment, pharmaceutical technologies, food transportation and electronics. However, as their production and utilization proceed to develop, so do worries about its effect on people and the environment. Hence, the mass application of nanomaterials requires the management of health, safety and environmental aspects during their production, manipulation, storage, incorporation, use and disposal.

Read more [here](#)



Dr Fernanda Neira D'Angelo is the HIGFLY Project Coordinator and a tenured Assistant Professor at Eindhoven University of Technology.

In this video, Doctor D'Angelo provides an insight into the technological development being conducted at TU/e, specifically, the HIGFLY HiGee reactor which will be used to improve the production process of biobased jet fuel.

Food for thoughts

Nutri2Cycle - [Selection and application of agri-environmental indicators to assess potential technologies for nutrient recovery in agriculture](#)

Lex4Bio - [Potential ammonia volatilization from 39 different novel biobased fertilizers on the European market – A laboratory study using 5 European soils](#)

Upcoming events

Save the date!



AlgaeEurope 2022

13 - 15 December 2022, Rome, Italy

Algae have become a multi-billion sector in terms of biotechnology development that is expected to grow rapidly, providing valuable goods and services in multiple applications. AlgaeEurope is a unique opportunity to learn and understand all about algae production and commercialization and interact with over 350 key players from more than 45 countries.

[Continue reading](#)



SOFIE 2nd Summit of the Organic and organo-mineral Fertilisers Industries in Europe 17-18 January 2023, Brussels and hybrid

Delayed by Covid, the 2nd SOFIE will centre on how organic and organo-mineral fertiliser products and technologies deliver specific agronomic performance characteristics for farmers' needs. The event is being co-organised by ESPP, ECOFI, Eurofema and Fertilizers Europe, with support of the International Fertiliser Society.

[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.

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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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