

News on biobased resource recovery

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Dear circular economy enthusiast,

We are back again with a new issue of our Bulletin full of inspiring news!

The BCE community is getting bigger and new initiatives are there to get you involved in an open discussion on sustainable development. So, be ready for a stimulating journey across the most interesting updates from the circular economy world!

Our major event, the European Sustainable Nutrient Initiative (ESNI) will kick off tomorrow with a session titled 'Towards Practical Implementation of Biobased Mineral Fertilisers for Europe'. The event will offer you an overview on benefits of nutrient recycling and reuse to boost research, agriculture and sustainable development. We invite you to join the event online and take part in the discussion aimed to put nutrient recycling high on the EU circular economy agenda! Discover more information in this issue.

More insights and breaking news from projects of our community will enrich your reading and will keep you informed on latest progress and achievements of our growing community. Lastly, do not forget to have a look at the most relevant 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](http://www.biorefine.eu). See you

there!

You wish to share any news with us? Get in touch! [info@biorefine.eu](mailto:info@biorefine.eu)

### Circular economy

## The BCE community is growing!



The BCE is happy to welcome Run4Life in its network!

Run4Life, Recovery and Utilization of Nutrients 4 Low Impact, demonstrates an alternative strategy for improving the recovery of resources from wastewaters, using a decentralised approach where black water (toilet wastewater), grey water (other domestic wastewaters) and organic kitchen waste are collected separately. Each separate flow then receives the treatment needed for efficient resource recovery, for example fertiliser products.

Learn more on Run4Life [here](#)

### Circular economy

## The European Sustainable Nutrient Initiative (ESNI) kicks off tomorrow!



**On the 27th of October, the second edition of ESNI goes online!**

After the first successful edition, this year the European Sustainable Nutrient Initiative (ESNI) is back as an online conference. The ESNI conference will kick-off with a session on '*Practical Implementation of Biobased Mineral Fertilisers for Europe*', which will provides an outlook on the nutrient recycling and reuse at European level.

Do not miss the opportunity to join us online and take part in debate on the benefits of

nutrient recycling for the circular economy.

Register [here](#)

### Circular economy

## Workshop on applied R&D for P recovery - **POSTPONED!**



Given the development of the international coronavirus situation, it has been decided to postpone the 4<sup>th</sup> *Phosphorus in Europe Research Meeting* (PERM). The phosphorus day, organised by the Biorefine Cluster Europe in partnership with RE-Source, ESPP and TU Wien, will take place in Vienna on 2nd June 2021. The workshop will be part of the 4th European Sustainable Phosphorus Conference (ESPC4) which is a unique event bringing together companies, stakeholders, regional and national authorities, innovation and researchers, to discuss phosphorus and nutrients sustainability actions and policies.

[Register here](#)



...Get involved...

UCLouvain - [Bioprocess & Biorefining Engineering](#)

### Project news

## A demo-day to enhance the interaction between different sectors



Nutri2Cycle held a demo-day on one of its innovations. During the day, key stakeholders from agricultural, public, industrial and scientific sector were involved. The innovation is aimed at analysing the effect of different bio-based fertilisers on potato yield. It is resulting from the collaboration between Ghent University (UGent), the Southern Agricultural and Horticultural Association (ZLTO) and Wageningen University & Research (WUR).

Read the entire article [here!](#)

#### Project news

### Circular Agronomics released its third newsletter



The six case study regions in the Circular Agronomics project have been busy these past months with field experiments, visits and more.

Insights from the six regions can be found in the project's [latest newsletter](#) showing how it is possible to make a more sustainable use of nutrients, reducing nutrient loads to the environment without impairing production. The project is now mid-way to completion and more results are expected to be coming through over the next months.

You can read additional updates and news on the project's [website](#) and [twitter](#) account.

#### Project news

### AgriWasteValue mid-term event



The mid-term event of AgriWasteValue (held in English and free of charge) will take place on January 26, 2021 in Lille (France) during [NutrEvent](#), the European meeting place for innovation in food, feed nutrition and health. Should gatherings be forbidden

by the authorities, NutrEvent will be organised in a digital format.

Learn more on the event [here!](#)

#### Project news

### Circular Economy in action: Using digestate to cultivate microalgae for fish and animal feed



ALG-AD is exploring ways to develop a circular approach to microalgae cultivation, utilising the by-products from the AD/biogas industry, to generate products of value for another.

The team have built three facilities which are already using the nutrients in digestate to cultivate microalgae.

So far, the ALG-AD team have focussed on production of biomass for use as an animal feed, however additional funding has been allocated to the team to expand on the work already done to also cultivate algae for use as a fish feed.

Read more [here](#)

#### Project news

### NUTRIMAN: conversion application-driven science into user-driven “ready-for-practice”



NUTRIMAN is a Nitrogen and Phosphorus recovery thematic network compiling knowledge of “ready-for-practice” recovered bio-based fertilizer technologies, products, applications, and practices for the interest and benefit of agricultural practitioners. The NUTRIMAN thematic network focus on summarizing, sharing, and presenting existing best practices and research findings

that are more or less ready for practice, but not sufficiently known or used by practitioners yet.

Read more [here](#)



Grass Anaerobic co-digestion of grass clippings, VeDoWs manure and pig slurry

### Food for thought...

**Open Access Government** - [From farm to market: upcycling manure to improved fertilising products \(page 242-243\)](#) - *Article on FERTIMANURE project*

**Upcoming events**  
**Save the date!**

**ICHMET2020**

### ICHMET 2020

25-29 October, Seoul, Korea

The ICHMET 2020 will provide a unique platform for sharing knowledge on the state-of-the-art research activities among a broad



international scientific community in all aspects of heavy metals.

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## **Global Bioeconomy Summit**

**16-20 November 2020, online**

Due to known circumstances, the third Global Bioeconomy Summit will take place fully virtual from 16 to 20 November 2020 with the full support of the German Government.

The Global Bioeconomy Summit (GBS) is a high-level, biennial international conference. It has become the leading event with a format to globally review and discuss emerging opportunities and challenges of the bioeconomy and develop visions for the future development of a sustainable bioeconomy among key actors from governments, science and innovation, business and civil society.

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## **European Researchers' Night**

**27 November 2020, online**

The European Researchers' Night, funded under the Marie Skłodowska-Curie actions, is a Europe-wide public event that brings researchers closer to the general public.

The Night showcases the diversity of science and its impact on citizens' daily lives, stimulating interest in research careers - particularly among young people.

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## The 4th European Sustainable Phosphorus Conference

31 May - 2 June 2021, Vienna, Austria

The European Sustainable Phosphorus Conferences are the unique event bringing together companies, stakeholders, regional and national authorities, innovation and researchers, to discuss phosphorus and nutrients sustainability actions and policies.

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## 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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*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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