

News on biobased resource recovery

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Dear circular economy enthusiast,

Although we are living a very challenging situation, which is forcing us to change our habits, the BCE is here to keep you updated on the most important developments of its community.

Unfortunately, this emergency obliged us to postpone some events related to nutrient recycling. New dates were set for the ESNI event and the Systemic workshop, in order to keep the quality of the events high and ensure a good interaction between attendees. Dates remain unchanged for the 4th European Sustainable Phosphorus Conference (ESPC4). In its framework, the Workshop on applied R&D for P recovery will discuss perspectives for research and market uptake.

Breaking news and insights from projects of our community will enrich your reading and keep you updated on their last initiatives and results.

Lastly, do not forget to have a look at publications and 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 second edition of the ESNI event & the Systemic workshop

- **POSTPONED!**



Given the extraordinary situation caused by the COVID-19 (coronavirus), the ESNI event as well as the Systemic workshop are postponed to the 26th and 27th of October.

On 26 October, the Systemic project will discuss how to develop an enabling framework to boost the development of the nutrient recovery in Europe. On 27 October, the second edition of the ESNI conference will offer you a comprehensive overview on the benefits of nutrient recycling to boost agriculture, novel food production and sustainable development.

Register [here](#)

Circular economy

Workshop on applied R&D for P recovery



On the 17th of June a phosphorus day is organised by the Biorefine Cluster Europe in partnership with RE-Source, ESPP and TU Wien. The workshop is 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.

The program is available [here](#)

[Register here](#)



...Get involved ...

UGENT - [Position: PhD Researcher - Using upstream anaerobic digestion process-control to achieve minimal content of undesired trace elements](#)

UGENT - [Call for Joint PhD - Grass biorefineries](#)

United Experts - [PhD fellow in the EU FertiCycle project \(ETN\) - the potential market development and cost-benefit analyses for organic waste based fertilisers](#)

The FertiCycle Network - [PhD student positions \(ESR\) on 'New bio-based fertilisers from organic waste upcycling'](#)

Project news

New online platform connects crop and food producers to biorefineries



EU-funded project Agrimax has launched an innovative new online service which enables crop producers, food processors and agricultural cooperatives to sell their waste as feedstock for two biorefineries: one in Spain and one in Italy. This will help maximise the EU's sustainability while providing new biobased compounds for the chemicals, food-packaging and agricultural sectors.

Read more [here](#)

Project news

An historical overview: the impact of European Legislation on closing the CNP loops



Nutri2Cycle is assessing new innovations for the recovery of nitrogen (N), phosphorous (P) and carbon (C) within the agricultural sector – more specifically the “triangle” between crop production, animal breeding and agro-residue processing activities (e.g. agro-digesters, manure processing,...). Closing the CNP-loops within the agricultural sector is gaining attention all over Europe (and beyond) in the light of circular economy, but the subject isn’t new at all..

Read more [here](#)

Project news

Pot trials with *Lactuca sativa* (lettuce)



A pot trials the experiment was conducted with *Lactuca sativa* (lettuce) under controlled conditions to determine fertiliser performance at a level of plant availability and to determine the nutrient use efficiency of the recycling-derived fertilisers and their blends.

The experimental set-up consisted of seven treatments.

Learn more [here](#)

Project news

Bio-based products from fast pyrolysis oil



Fast pyrolysis technology can convert a wide range of difficult-to-handle biomass into a clean and uniform bio-oil, which is easy to store and transport.

Most applications have so far focused on the use of pyrolysis oil for energy purposes, but the Horizon 2020 project Bio4Products has developed a technology to divide pyrolysis

oil into multiple fractions that could be used for material applications.

Many new products could be developed from pyrolysis oil, and this webinar introduces some of the latest results from innovative companies and collaborations in Europe.

Learn more [here](#)

Project news

Bulk biogas production from grass



Biogas production from grass is possible, but it suffers from several technical hurdles like litter and sand content, floating layers and fibers getting caught in the digester's impellers. Therefore, the GRASSIFICATION project is proposing a low-cost, bulk cell for biogas production from roadside grass clippings.

Read more [here](#)

Food for thought...

Elsevier - [Insight into the recovery of nutrients from organic solid waste through biochemical conversion processes for fertilizer production: A review](#)

Elsevier - [Microalgae based biorefinery promoting circular bioeconomy-techno economic and life-cycle analysis](#)

Science Direct - [Management of poultry manure in Poland - current state and future perspectives](#)

Upcoming events

Save the date!



The 4th European Sustainable Phosphorus Conference

15-17 June, 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.

[Continue reading](#)



European Biogas Conference 2020

2-3 September, Brussels, Belgium

As the annual landmark event organised by the EBA, the **European Biogas Conference** will provide a platform for discussion on how to successfully untap the potential of renewable gases in the Green Deal context. It will also showcase the latest updates of the renewable gas industry and provide a space for business exchange and knowledge-sharing.

Join us in Brussels for an inspiring debate on the challenges and opportunities of the **renewable gas** industry for the years ahead!

[Continue reading](#)



RAMIRAN 2020

14-17 September, 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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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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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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