

News on biobased resource recovery

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Dear circular economy enthusiast,

As the summer break is approaching, we would like to share with you some interesting news from the circular economy world so to inspire your relaxing readings.

In this issue, we would like to present you breaking updates from our projects, which will offer you an insight on their latest developments and results. You will discover new initiatives to help companies contributing to circular economy and you will read about experiments to decipher the feasibility of replacing chemical fertilizers.

And last but not the least, do not forget to have a look at the most relevant upcoming events and new job positions!

We wish you a pleasant reading and sunny holidays!

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 - **POSTPONED!**



Given the development of the international coronavirus situation, it has been decided to postpone the 4th 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!

[UGENT - Transitiemedewerker – “\(Bio\)resource Recovery” \(Dutch speakers only\)](#)

Project news

Regatrace releases its second newsletter!



Regatrace released the second newsletter! You can read the latest news from the biomethane world, learn about the project's progress, and discover the developments related to the biomethane market in each country.

Check the REGATRACE [website](#) and read the newsletter [here](#)

Project news

Key Performance Indicators (KPIs) of five demonstration and two outreach plants completed



The Systemic project released its report 'Development and Application of Economic Key Performance Indicators' aimed at analysing the financial performance of SYSTEMIC partner plants. For the development of Key Performance Indicators (KPIs), business cases of five demonstration and two outreach plants were evaluated. Apart from the apparent use of EBITA (earnings before interest, tax and amortisation) and EBIT (earnings before interest and tax) margins measuring the overall profitability of a business, three additional specific KPIs have been derived

from the main material and energy flows of the anaerobic digestion plants.

Read the [Systemic report](#) to learn more!

Project news

Biodegradable pots made from cattle manure



Livestock intensification and consequently, manure production and management in Northwest Europe has resulted in severe environmental impacts. To counter these impacts, development and optimisation of nutrient recovery technologies are on the rise. The production of biodegradable pots made from cattle manure is a technology that allows effective utilisation of animal manure in the cultivation of garden crops. Within the ReNu2Farm project, biodegradable flowering pots produced from animal manure were tested for nutrient composition.

Read more [here](#)

Project news

Meeting session with the Gramitherm company



Biobased economy offers companies the opportunity to develop their activities, while actively contributing to circular economy. In France and Belgium, many abandoned and unused sites can accommodate plant biomass production. Once the site is enhanced, its marginality becomes an economic and environmental opportunity for its manager. New-C-Land is organising a meeting session at Gramitherm to arouse the interest of managers and owners of

marginal sites with high biomass production potential.

Read more [here](#)

Project news

Processed pig manure to replace mineral fertilizer



Nutri2Cycle
Nurturing the Circular Economy

Processing pig manure is gaining increased attention in Europe, especially in areas with large pig manure surpluses (e.g., The Netherlands, Belgium, Germany). Pig manure can be processed into products and become so-called bio-based fertilizers that contain high concentrations of carbon (C), phosphorus (P), potassium (K) and/or nitrogen (N), which are essential elements for plant growth.

Read more [here](#)

Project news

A regulatory review on the use of digestate to cultivate algal biomass for animal feed



The NNFCC in the scope of ALG-AD project produced a first report exploring EU legislation relevant to the microalgae production value chain, focusing on the rules that apply to microalgae for use as feed material. This document will be soon publicly available.

Read more [here](#)

Project news

The new Grassification newsletter is out!



Grassification released its second newsletter. There you will find interesting updates on project activities, deliverable and results.

Are you interested in first-hand information on the new developments of Grassification and how they are progressing to turn roadside grass clippings into a resource for a circular economy? Then subscribe to the stakeholder's corner [here](#).

Read the newsletter [here](#)

Food for thought...

International Solid Waste (ISWA) - [Benefits of Compost and Anaerobic Digestate](#)
ScienceDirect - [Model-based analysis of greenhouse gas emission reduction potential through farm-scale digestion](#)

Upcoming events

Save the date!



European Biogas E-Conference 2020

1-4 September, online

The 2020 edition of the European Biogas Conference has been rescheduled as an online event with short interactive sessions that will take place every morning from 1 to 4 September. Join this high level event for an inspiring debate on the challenges and opportunities of the renewable gas industry for the years ahead!

ICHMET2020

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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.

[Continue reading](#)



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.

[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.

[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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