



Dear circular economy enthusiast,

As the summer break is approaching, we would like to share what the BCE has in store for you in the next few months. So let's discover together all the new initiatives on track...

In this issue, a special attention is given to the Systemic workshop, which will be focused on how biogas plants as biorefineries for nutrient recycling, can contribute to implement large scale eco-innovations and to advance circular economy & mineral recovery from organic waste in Europe. Beside that, the Nutri2Cycle Summer School will offer an overview of the potential, technologies and applications of recycled fertilisers to move towards a more carbon and nutrient efficient agriculture in Europe.

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 take a peek at publications, job opportunities and upcoming events we chose for you!

We wish you a pleasant reading and sunny summer holidays!

#### **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**



We are very happy to welcome [BIO4PRODUCTS](#) in our community!

Discover more on the project [here](#)

### Circular economy

## Nutri2Cycle Summer School 'Transition towards a more carbon, nitrogen, and phosphorus efficient agriculture in Europe'



A Summer School will be taking place on 16-19 September in Gent.

Lectures, workshops and excursions will give the participants a first-hand knowledge on potential, technologies and applications of recycled fertilisers to move towards a more carbon and nutrient efficient agriculture in Europe.

Check more [here](#)

### Circular economy

## The Systemic Workshop: biogas plants as biorefineries for nutrient recycling



In the frame of the Systemic project, the BCE and the European Biogas Association (EBA) co-organises the workshop 'Biogas installations are the next generation refineries: energy & nutrient recovery from biobased residues & wastestreams'. The workshop will focus on biogas plants as biorefineries for nutrient recycling, discussing the actual implementation that the SYSTEMIC project is carrying out at the different locations throughout Europe.

Check more [here](#)

## Circular economy

### Green fertiliser made from cow dung and chicken feathers could transform big agriculture



Horizon magazine has published 'Green fertiliser made from cow dung and chicken feathers could transform big agriculture', an article focusing on how nutrient-rich farm waste could help reduce intensive agriculture's emissions and reliance on fertiliser imports.

Prof. Erik Meers, coordinator of Nutri2Cycle and Dr. Victor Riau Arenas, coordinator of Circular Agronomics explain how their projects aim to boost nutrient recycling in the agricultural value chain.

Read more [here](#)

#### Get involved!

- DFBZ - [Head of biogas unit](#)
- UGent / UVIC - [Postdoctoral Research and #SCICOMM Management position in Bioresource Recovery](#)

## Project news

### PROLIFIC workshop: Residual Biomasses for Eco-compatible and Sustainable Food Packaging



The Prolific project is organising a two-day workshop which will highlight approaches and projects aiming to produce more sustainable materials, such as biodegradable and bio-based polymers for food packaging. The workshop will be held in Trieste, Italy, on 11-12 September 2019.

More information on the programme and registration [here](#)

Project news

## ReNu2Farm invests in a hightech field trial fertilizing machine for complex fertilization trials



In the search for a sustainable alternative for mineral fertilizers, researchers of ReNu2Farm are testing the functioning of several new recycling-derived fertilizers. A field trial fertilizing machine especially designed for this purpose allows to perform complex fertilization trials in Belgium. This high-tech machine combines multiple standard fertilization techniques in one device.

Read more [here](#)

Project news

## Phosphorus recovery with the Remondis TetraPhos® process: Investigations completed within the framework of Phos4You



As part of the Phos4You project, the Lippeverband tested the suitability of phosphorus recovery at a pre-industrial scale from sewage sludge ashes produced in the Emscher-Lippe-region.

Read more [here](#)

Project news

## BIO4PRODUCTS: A first of a kind thermo-chemical fractionation plant



BTG Biomass Technology Group, as coordinator of the Bio4Products project, have successfully launched operation of a first of a kind thermo-chemical fractionation plant, an important step towards the commercialisation of a fast pyrolysis based biorefinery.

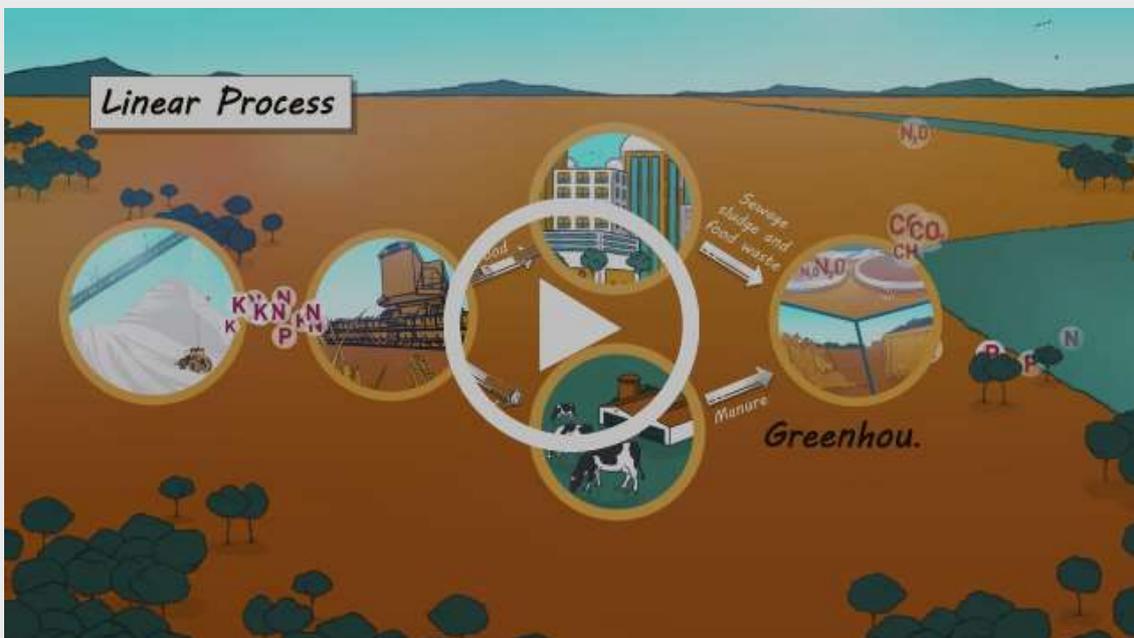
The plant enables the transformation of

lignocellulosic biomass such as sunflower seed husks into products including phenolic resins, furan-based resins, paints, engineered wood and natural fibre reinforced products.

Read more [here](#)

### Project news

Watch out the new Systemic video!



Producing renewable energy and nutrients from waste can be a viable business and strengthen our circular economy – the SYSTEMIC project works to show how this can become reality across Europe.

### Food for thought...

- the Green Gas Platform (collaboration of Valbiom, Gas.be and Biogas-E)  
- [Biogas is ready, are you? Why biogas is essential for a low-carbon society](#)
- Bio4Products - [Top feedstock for pyrolysis biorefineries](#)

- Springer Link - [Nutrient Recovery from Digestate: Systematic Technology Review and Product Classification](#)

#### Upcoming events

#### Save the date!



#### Algae Tech

4-5 September, Madrid, Spain

Algae are called the green gold of the future as they became a valuable and sustainable feedstock for numerous industries. They are used in production of biofuels, novel food, animal feed, chemicals, materials, cosmetics, biofertilizers or CO<sub>2</sub> utilization. The conference will bring together major stakeholders in order to highlight the latest technical and commercial issues.

[Continue reading](#)



#### European Biogas Conference 2019

19 September, Brussels, Belgium

The European Biogas Conference 2019 will take place on 19 September in Brussels, Belgium. Every year, this conference provides a platform for discussion on the latest developments of the biogas and biomethane sectors in Europe. In this occasion, it will be celebrated the 10 years anniversary of the association.

[Continue reading](#)



## **ManuREsource 2019**

**27-29 November, Hasselt, Belgium**

ManuREsource is an international conference stimulating the exchange of experiences between regions on the policy measures taken for coping with manure surpluses, both in terms of manure management in a broad sense, and more specifically in terms of manure treatment.

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## **2019 International Conference on Technical and Engineering Challenges of Addressing Sustainable Development**

**12-13 December, Seoul, South Korea**

Scientists and policy makers will gather to discuss technical and engineering challenges of addressing the 2030 Agenda for Sustainable Development and the 17 Sustainable Development Goals (SDGs).

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*The Biorefine Cluster is supported by the European Biogas Association (EBA), a non-profit organisation promoting the deployment of sustainable biogas and biomethane production and use from anaerobic digestion (AD) and biomass gasification in Europe.*

*Learn more [here](#)*

