

News on biobased resource recovery

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Dear circular economy enthusiast,

Before June ends, we are back again with a new issue of our Bulletin, gathering the most relevant news from our community!

In this issue, you will discover more about the Scalibur project, which aims at demonstrating innovative solutions to transform urban food waste and sewage sludge into high value-added products, helping cities to increase their recycling rate and creating new circular economy business opportunities.

New initiatives are on track, so do not forget to mark your calendar with the next Grassification webinar! Project partners will showcase the potential use of the liquid fraction of roadside grass clippings for the production of organo-chemical fertilisers or as a nutrient source for growing protein-rich biomass. Along with that, they will also discuss the anaerobic digestion of grass juice for energy production.

More than this, breaking news on projects from our community will enrich your reading and will keep you informed on their latest progress and results. And to make your reading even more interesting, do not forget to take a peek at the publications and the 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)

### Project's corner

## A focus on SCALIBUR



In the SCALIBUR project, leading waste management companies, technology developers and research organisations have teamed up with four European cities to demonstrate innovative solutions to transform urban food waste and sewage sludge into high value-added products, helping cities to increase their recycling rate and creating new circular economy business opportunities.

Read more [here](#)

Together with the H2020 EU-funded projects [HOOP](#), [VALUEWASTE](#), and [WaysTUP!](#), SCALIBUR published a [position paper](#) promoting regulatory measures for the European circular bioeconomy. The objective of this joint initiative is to boost acceptance of innovative solutions for the European circular bioeconomy and bring down regulatory barriers that hinder the uptake of a true Circular Economy with regards to biowaste valorisation.

Read more [here](#)





SCALIBUR has teamed up with its sister projects [HOOP](#), [VALUEWASTE](#), and [WaysTUP!](#) to organise a six-part [Urban Circular Bioeconomy Webinar Series](#). As the [EU Bioeconomy Strategy](#) sees cities becoming major circular bioeconomy hubs, it is essential to explore the current state of the art in Europe along the value chain and to discuss business and policy issues.

Read more [here](#)

To ensure a better understanding of SCALIBUR's results and facilitate the uptake of successful solutions, short [factsheets](#) are being developed.

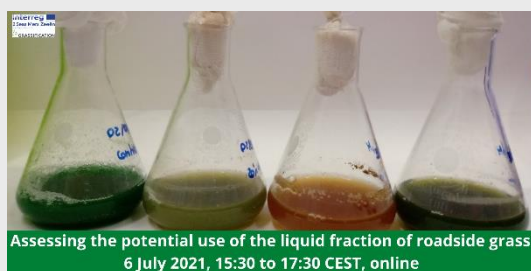
The factsheets describe the challenges SCALIBUR's partners try to overcome within the project, highlight the innovative aspects of the solutions proposed, as well as the main advantages of the results obtained.

Read more [here](#)



### Project news

## Grassification webinar on 'Assessing the potential use of the liquid fraction of roadside grass'



The Grassification project is delighted to invite you to its upcoming webinar on 'Assessing the Potential Use of the Liquid Fraction of Roadside Grass', which will be held on Tuesday 6 July from 15:30 to 17:30 CEST.

During the webinar project partners will provide insight on the potential use of the liquid fraction of roadside grass clippings for the production of organo-chemical fertilisers or as a nutrient source for growing protein-

rich biomass. They will also discuss the potential of the liquid fraction for energy production using anaerobic digestion.

Read more [here](#)

#### Project news

### Duckweed has been investigated in the Nutri2Cycle project for its ability to close CNP loops



**Nutri2Cycle**  
Nurturing the Circular Economy

Wastewater and manure treatment has become an important aspect in improving the sustainability and circularity of conventional agriculture. A frequently used method to remove excess nutrients from manure is by subsequently centrifugation of manure and biological treatment of the liquid fraction. However, all previous mentioned processes are a cost for farmers. Nutri2Cycle published two papers on how floating wetland plants, like duckweed, can be used to convert the removed nutrients in the wetland to proteins, which can be a source for feed and substitute commonly imported protein sources.

Read more [here](#)

#### Project news

### ReNu2Farm keeps on running - Approval for ReNu2Farm's Capitalisation Initiative



The ReNu2Farm project has been successfully approved at Interreg North-West Europe Programme's call for capitalisation initiatives. The project will stimulate new markets for increased RDF

(recycling-derived fertilizer) use and decrease mineral fertiliser usage in North-West Europe. New target groups will be the horticulture and the private/recreational sectors, whereas the horticulture sector represents the largest RDF sales market after agriculture.

Read more [here](#)

#### Project news

### Agrimax event on two new processing facilities to create value from crop and food waste



To mark the construction and commission of its two multi-feedstock pilot plants (biorefineries), the EU-funded Agrimax project is hosting an online event to showcase the ground-breaking new facilities in Spain and Italy. Join consortium partners from across Europe, to hear how they have worked together to develop a range of high-value, biobased products for the chemical, food-packaging and farming sectors.

Read more [here](#)

#### Project news

### Run4Life virtual tours on project website



In the EU Green Week, Run4Life participated with two partner events: the On-site and virtual Open Day of the demonstration sites, and the 2<sup>nd</sup> Innovation Workshop. The online event focused on the fertilisers produced at our four demonstration sites. The main discussion points were around the marketability of

these products, the results of the LCA and BCA as well as the social perception around this type of fertilisers.

Read more [here](#)

#### Project news

### Nutriman final conference



The NUTRIMAN project is coming to its end and it is ready to present its interesting results! The final conference will take place as an online event on 16 September 2021, 09:00-17:00 CET.

During the final conference, the three years project results will be summarised and presented. From the knowledge collection to the spreading of knowledge for the existing nutrient recovery innovations that are ready-to-practice but not yet known or used by practitioners.

Read more [here!](#)

#### Project news

### FertiCycle International Training Network released its first newsletter!



The first newsletter of the FertiCycle International Training Network is out! The [newsletter](#) provides you with updated news on the latest research and development within the FertiCycle network. Interested in knowing more? Subscribe [here](#) to receive the next issue!

Project news

## Sea2Land launched its website!

# SEA2LAND

SEA2LAND aims to provide solutions to help overcome challenges related to food production, climate change and waste reuse. The SEA2LAND project will meet this challenge by improving and adapting technologies for nutrient recovery to produce biobased fertilizers (BBFs) from fish processing and aquaculture byproducts.

Check the website [here](#)



Watch this explanatory video to find out what the [#FERTIMANURE](#) project is about - from fossil-based [#fertilisers](#) to the organic alternative, FERTIMANURE will change the way farming is processed, through the set-up of a genuine circular



pattern.  
SHOW LESS

## Food for thought..

[Science Direct - Towards a circular nutrient economy. A novel way to analyze the circularity of nutrient flows in food systems](#)

### Upcoming events

Save the date!



### German-Luxembourgian INTERREG V B NWE ReNu2Farm demonstration event

1 July 2021, online

The Interreg Northwest Europe Project - ReNu2Farm [Nutrient Recycling from pilot production to farms and fields] is organising a German-Luxembourgian online demonstration event on 01.07.2021 from 19.30 - 21.00 for stakeholders from agriculture, biogas sector, fertiliser production & distribution companies and interested parties.

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### RRB 2021 - Renewable Resources and Biorefineries 2021

6-8 September 2021, Aveiro, Portugal

The 17th edition of the International Conference on Renewable Resources & Biorefineries will take place in Aveiro, Portugal from Monday 6 Sept until Wednesday 8 Sept, 2021. Delegates from university, industry, governmental and non-governmental



organizations and venture capital providers will present their views on industrial biotechnology, sustainable (green) chemistry and agricultural policy related to the use of renewable raw materials for non-food applications and energy supply.

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### **Phos4You Final Conference** 22-23 September 2021, Essen, Germany & online

After four years of cooperation, the Phos4You partnership would like to invite you to the project's final conference. The programme will include plenaries, multi-stakeholders discussions, a poster exhibition, an excursion to a Phos4You demonstrator and plenty of opportunities to enjoy, exchange and network. Speakers will be Phos4You actors in the fields of wastewater treatment and sewage sludge incineration, recovery processes and research.

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### **Nature Conference - Waste Management and Valorisation for a Sustainable Future** 26-28 October 2021, Korea University, Seoul, South Korea

The development of sustainable waste management strategies has become a major concern throughout the world. This conference focuses on “recycling” and “recovery” of waste material while paving the way towards circular economy, land reclamation, and water and wastewater treatments.

Local and overseas experts from different

sectors including academic researchers, industrial practitioners, green groups, and government departments will be gathered in this program.

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## **ManuResource 2021** **24-25 November 2021, 's Hertogenbosch (NL)**

Circular agriculture with low emissions and nutrient recovery from manure is high on the European Union agenda. ManuREsource is an international triple-helix conference for scientists, policy makers, consultants, farmers and professionals on the theme of manure management. The conference aims to accelerate the transition towards a circular economy by exchanging experiences and knowledge with concerned international stakeholders and policy makers

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## **RAMIRAN 2020** **19-21 September 2022, 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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