WEBINAR ENZYCLE

July 13, 2022

09.15 h. - 11.00 h.

Webinar | The power of enzymes: How to valorise multilayer packaging and microplastics

This project has received funding from the Bio-based Industries Joint Undertaking (BBI JU) and the European Union's Horizon 2020 programme under grant agreement n°887913.

July 2022

The ENZYCLE project, funded by the Bio-based Industries Joint Undertaking (BBI JU) under the European Union's Horizon 2020 program, is developing new processes to recycle enzymatically currently non-recyclable plastics such as PET trays and clamshells and PET/PE-PP multilayer packaging.

For this reason, enzymes with a high hydrolytic activity on polyesters and on polyolefins are being identified an improved to establish efficient recycling processes. Additionally, ENZYCLE is dealing with microplastics, developing a microplastic degrading system (MDS) capable of mitigating the negative impact on the environment and human health.

In order to show the advances of this project, the ITENE research centre, as coordinator of this project, organises this event to be held on 13 July.

Objectives:

- To present the advances and next steps of the ENZYCLE project in the development of new methodologies for the valorisation of plastic waste through the use of enzymes.
- To offer an update on the current findings in the identification of enzymes, the production processes of enzymes and the development of recycling processes.
- To show how different projects, such as RECOVER, BIZENTE and MIX-UP, are tackling the end-of-life of plastic waste from different perspectives.

Addressed to:

- Plastic manufactures
- Chemical industry
- Waste managers
- Recycling companies

Free attendance upon registration at:
https://register.gotowebinar.com/register/3013589171392427020

More information:
Tel: +34 961 820 000
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RESEARCH CENTER
ITENE

PROGRAMME

09.15 - 09.20 **Welcome | Carlos Monerris -** ITENE's Business and Technology Transfer Director

09.20 - 09.30 **ENZYCLE Project Officer | Chloe Johnson**

09.30 - 09.40 **ENZYCLE project: Microbial enzymes for treatment of non-recycled plastic fractions | Licino Díaz -** ITENE

09.40 - 09.55 **Current findings: PET enzyme development | Christian Sonnendecker -** University of Leipzig

09.55 - 10.10 **Current findings: Enzyme production processes | Gerald Striedner -** University of Natural Resources and Life Sciences Viena

10.10 - 10.25 **Current findings: Recycling process development | Tom Ewing -** Stitching Wageningen Research

10.25 - 10.40 **RECOVER project | Mª José López -** Universidad de Almería

10.40 - 10.50 **BIZENTE project | Marta Redrado -** AITIIP

10.50 - 11.00 **Awareness-raising on marine debris in the seas and oceans | Beatriz Domínguez -** Fundación Oceanográfic de Valencia

Moderator: Licino Díaz - ITENE

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Organised by:

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