



Three Projects – One Solution: The Power of Enzymes

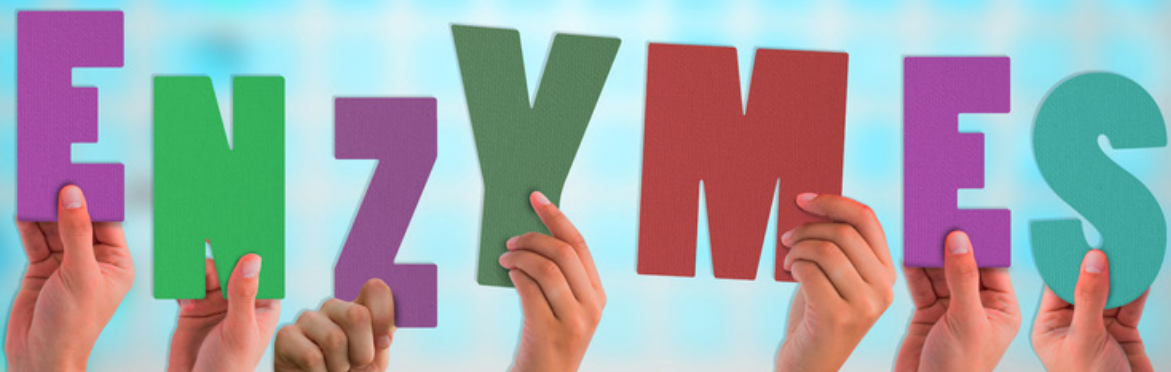
Join our webinar on

27th May 2021, 9am to 12pm

Register here:

<http://bit.ly/WebinarTheArtOfEnzymes>

#EUGreenWeek



Three research projects, **BIZENTE**, **RECOVER** and **ENZYCLE**, funded by the Bio-Based Industries Joint Undertaking under the EU's Horizon 2020 innovation and research program, are demonstrating **the power of enzymes for boosting the circular economy in Europe.**

In a joint webinar in the frame of the EU Green Week, the key players of these projects will shed a light on enzymatic ways to degrade non-recyclable agricultural and packaging plastics, microplastic pollution, thermoset composites and plastic fractions that could not be recycled before. **Our experts will share novel concepts to re-use particular monomeric products and to create new value out of these recycled components.**

Objectives:

- To show how enzymatic recycling can complement mechanical and chemical processes by degrading materials that cannot be completely degraded through these processes.
- To explain how enzymatic recycling is not only technically feasible but also cost-efficient.
- To demonstrate how new enzymatic processes can be applied at an industrial level to boost the transition to the circular economy.

Target audience:

- Industrial end-users from different sectors (packaging, agriculture, wastewater treatment, construction, aeronautic).
- Waste managers and recyclers.
- Scientists specialised in biotechnology treatments.
- Technology providers.

Why should you join this webinar?

Scientists, technology providers or industrial end-users from different industry sectors (packaging, agriculture, wastewater treatment, waste managers, recyclers, chemical industry, construction, aeronautic, etc.) will find a joint platform to discuss urgent demands and burning questions in this field of circular economy and zero pollution. We cordially invite exploiters, decision makers and potential technology users from industry and academia to join our virtual event and to discuss application fields and perspectives!

TIME	SPEAKER	TOPIC
9:00	Antonella Canalis (Project Officer, BBI-JU)	Welcome address. Challenge and Mission. How these 3 projects can meet the challenge
Microbial enzymes for treatment of non-recycled plastic fractions - ENZYCLE		
	Licinio Díaz (ITENE, Coordinator of ENZYCLE)	ENZYCLE at a glance
9:15	Christian Sonnendecker (University of Leipzig)	Strategies to identify appropriate enzymes for degrading plastic fractions
	Jesper van Berkel (Indorama)	Suitability of the ENZYCLE technology for re-polymerization from industrial perspective
Applying ligninases to resolve end-of-life issues of thermoset composite plastics - BIZENTE		
	Marta Redrado (AITIIP, Coordinator of BIZENTE)	BIZENTE at a glance
	Julio Vidal (AITIIP)	What is a thermoset composite material?
9:45	Javier Viña (Evoenzyme) Alain Graillot (Specific Polymers) Frank Hollmann (Delft University of Technology)	The methodology of the BIZENTE process: <ul style="list-style-type: none">• Enzyme mutations• Resins chemical modification• Enzymatic degradation process
	Marta Redrado (AITIIP)	How it affects industry

10:15 COFFEE BREAK

Innovative biotic symbiosis for plastic biodegradation and synthesis - RECOVER

María J. López (University of Almería, Coordinator of RECOVER) RECOVER at a glance

Marie Aline Pierrard (IDELUX) Sorting mistakes made by the citizen

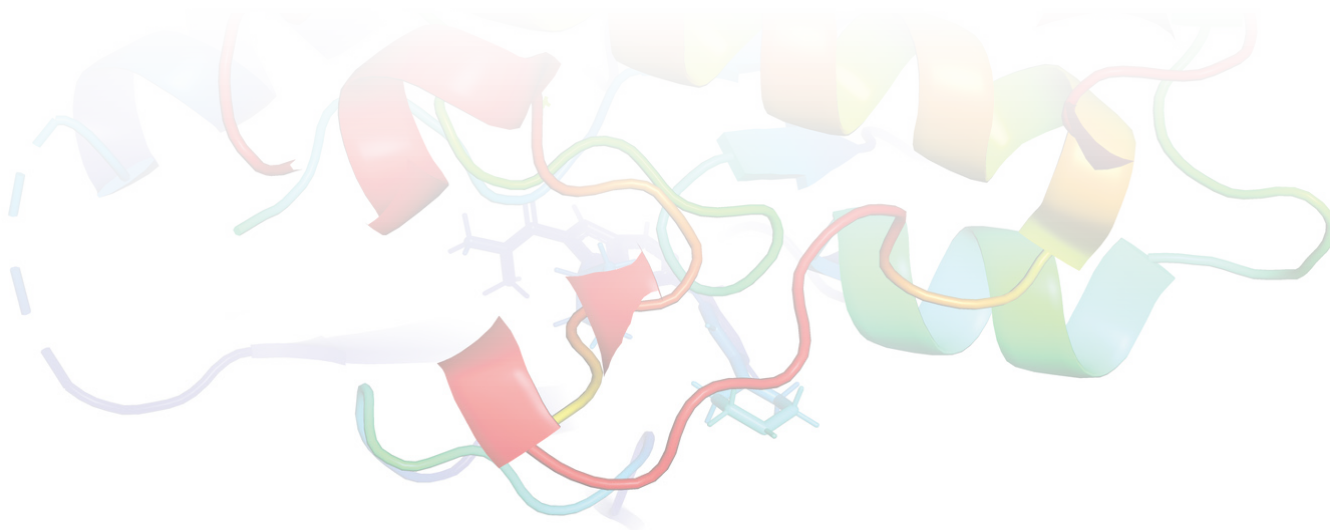
10:30 **Ronan McCarthy** (BRUNEL University) & **Arno Cordes** (ASA – Special Enzymes GmbH) Enzymes in RECOVER

Raúl Moral Herrero (Miguel Hernandez University) Biodegradation by insects & earthworms in RECOVER

Open discussion and Conclusions

11:00 Q&A Session

12:00 End of webinar



Acknowledgements:

