



## WHERE ARE WE AT?



The test bench developed by Hysytech for the photooxidation of the hydrolyzed BP has been commissioned at their premises. The preliminary results from the experimental campaign are promising, with the clarification of the product validating its potential use in

surfactant products. Further tests will be conducted to tune the BP properties in the next period. Production in ACEA is still ongoing, with production of BP from digested sludge for use in bioplastics and surfactants for testing at Barbier and Allegrini premises.

## THE NEXT STEPS

The production at ACEA premises will continue to use the BP at Barbier premises for mulch films production to use them in agriculture by TETMA during their agricultural trials. Allegrini will also receive BP material for their trials on

surfactant formulation. After this production campaign, the MP will be shipped to TETMA premises to start the production of BP with Spanish waste provided by TETMA, BPE and local stakeholders to increase the project impact in Europe.



## AFTER THE LIFE PROJECT: THE EXPLOITATION PLAN



The LIFE EBP project will generate valuable results that will be exploited during and after the project LIFE. Hysytech is preparing an exploitation plan, by defining the Key Exploitable Results (KER). The mobile prototype, the process procedure, and the use of BPs are among the most important KERs of the project. Thus, linked to the overall life cycle of the project

concept. Each partner has its role in KER exploitation, i.e., as users, licensing, background, and making. These will be exploited through several routes, like publications, standardization activities, workshops, trade secrets, and replication in further research or commercial activities, which the consortium is already assessing.



## EVENTS & DISSEMINATION



The project coordinator, Simone Solaro, was present at the ECOMONDO fair last November, showing the primary project outcomes to engage stakeholders from the waste treatment industry and policymakers. Another stakeholder engaged, FATER spa, in the last period was related to the potential use of our BP as a surfactant in laundry applications. An interesting paper was also published, highlighting the results from agricultural trials. The paper, entitled “Enhancing Lettuce Yield through Innovative Foliar Spray of Biopolymers Derived from Municipal Biowastes”, summarizes a novel foliar spray methodology for BPs and BPs OX, which has never been tested before in any crop. This methodology will make biopolymer application easier for farmers. For more info: [www.lifeebp.eu](http://www.lifeebp.eu) \ LinkedIn page.

## THE PROJECT PARTNERS CORNER

**JORDANE CHARBONNIER**  
GROUPE BARBIER



### What's the role of GROUPE BARBIER in the project?

The role of Groupe Barbier is a producer of agri films and in the case of the project biodegradable mulch film.

Our role in the project is to put the BPs in the biodegradable matrice, produce a film and put it on the field.

### Why is LIFE EBP an interesting initiative for your company?

For us, we are always searching some solutions to add a value for our films.

So, in this case we search to add a value, a fertilizing power, from a waste.

### Which future prospects can arise from the project?

Add a value for our film even more if this value is coming from a waste could help us to develop our biodegradable mulch market.

## HYSYTECH

HYSYTECH is an engineering company founded in 2003, specialized in the design, development and industrial implementation of new turn-key process technologies and equipment. HYSYTECH's skills start from the know-how in chemical and process engineering, up to commissioning, monitoring and maintenance.

Hysytech is the coordinating beneficiary of the LIFE EBP project and the developer of the multistep process included into the prototype for the production of the biopolymers.

