



WHERE ARE WE AT?



The new mobile prototype was manufactured and installed at the ACEA pinerolese site. The preliminary tests were successfully completed, and the production of BPs was started in October 2023. In November 2023, HST trained partners from Spain and Cyprus for the

operation of the prototype. The agriculture trials with the BPs produced within the project from the ACEA compost were carried out in the last period. The results indicate competitive performance against traditional fertilizers and bio-stimulants.

THE NEXT STEPS

The operation of the prototype will be optimized to reduce production time and cost. Under this optimized operating conditions, the production of BPs will continue to produce BP to be tested in agriculture, bioplastic and surfactants.

Feedstock from Italy, Spain, Cyprus and Greece will be employed to this aim. In the next period, important milestones regarding the product legislation will also be achieved for the registration of the product in Italy, Spain, Cyprus and Greece.



IS BP A SUSTAINABLE OPTION FOR INDUSTRY?



Hysytech and Acea organized a workshop involving stakeholders from the research, agriculture and waste fields and policymakers. During the event, Ing. Solaro and Prof. Montoneri explained the project objectives and outcomes. Prof. Morone and PhD Imbert talked about social acceptance and good

practices for bioeconomy. PhD Liendo concluded the meeting with some preliminary insights about the economic feasibility of the technology and its high potential to be placed within the market and compete against well positioned products. Nonetheless, the barriers to be overcome were also highlighted.

EVENTS, PAPERS AND NETWORKING



The week of 20-24 of November was very productive for the LIFE EBP project: the consortium met at the Polo Ecologico of Acea Pinerolese Industriale, where the prototype of the project is located, and some events and meetings took place.

The consortium also hosted a workshop with several stakeholders to share the technology outcomes and perspectives. Interesting topics as social and economic assessments were discussed.

The project was also disseminated in several international conferences, including extra-EU events with the participation of AUA and CUT at the WCCE11 conference in Buenos Aires and Rio de Janeiro. In addition, HST had a pitch at the Bioeconomy boost 2023 in Brussels and ECOMONDO 2023. The project was also disseminated in the 2nd International Conference on Sustainable Chemical and Environmental Engineering (SUSTENG 2023).

A new paper, entitled: "Mild Chemical Treatment of Unsorted Urban Food Wastes" was published on November 20th, 2023.

Stay updated: www.lifeebp.eu

THE PROJECT PARTNERS CORNER

FREDDY LIENDO
HYSYTECH SRL



What's the role of HYSYTECH in the project?

Hysytech is the project's coordinator and has the responsibility of constructing the mobile prototype with some innovative changes, to optimize the production in terms of yield and energy efficiency. Hysytech's also playing an important role in the definition of the business plan of the technology.

Why is LIFE EBP an interesting initiative for your company?

Because Hysytech has very important presence in the waste management market, in particular for the biomethane production and storage. Therefore, the improvement and marketization of the LIFE EBP technology is very important for our commercial growth.

Which future prospects can arise from the project?

More knowledge about the technology. The know-how will allow us to scale up the technology to higher scales, towards its commercialization. For the realization of this last important objective, the outcomes and learnings from the Business and exploitation plans will be very important.

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.

