

## PARTNERS



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PHB-based packaging from whey



A project funded by the European Commission under the LIFE programme

## REDUCTION OF CO<sub>2</sub> EMISSIONS BY THE PHB USE OBTAINED FROM WHEY: **Demonstration in dairy products packaging**

WHEYPACK project aims to demonstrate environmental and socio-economic benefits of a biodegradable food packaging material with a lower environmental impact through the reduction of greenhouse gas (GHG) emissions in comparison with current petrol-based food packaging materials.

MORE INFO



[www.wheypack.eu](http://www.wheypack.eu)

PHB-based packaging from whey

## WHEYPACK PROCESS

WHEYPACK project wants to demonstrate that carbon footprint of manufacturing process of PHB-based food packaging is lower than current manufacturing processes of PP-based ones:

- First of all WHEYPACK project will generate PHB from whey by means of a fermentative process.
- This PHB material will be modified with different additives in order to obtain a final PHB-based material which can be processed with the same technology as polypropylene-based material.
- Then, PHB-based trays will be produced by injection moulding technology
- Finally, the food application of PHB generated trays will be tested with cheese products.

If you want to know more about us, please, [scan this code](https://www.wheypack.eu) or visit our website: [www.wheypack.eu](https://www.wheypack.eu)

### MORE INFO



## WHEYPACK, A CLOSE LOOP PROJECT

WHEYPACK project can be considered as a close loop project, due to the whey generator (cheese industry) will become the beneficiary of the new PHB-based packaging, tailored to the need of its products.

