

PROMOFER

IMPROVEMENT OF FERMENTATION PROCESSES IN OBTAINING BIOPLASTICS



GOAL

PROMOFER will demonstrate fermentation technologies to facilitate the large-scale deployment of industrial bio-based systems (PHBV and 2,3-BDO).

METHODOLOGY

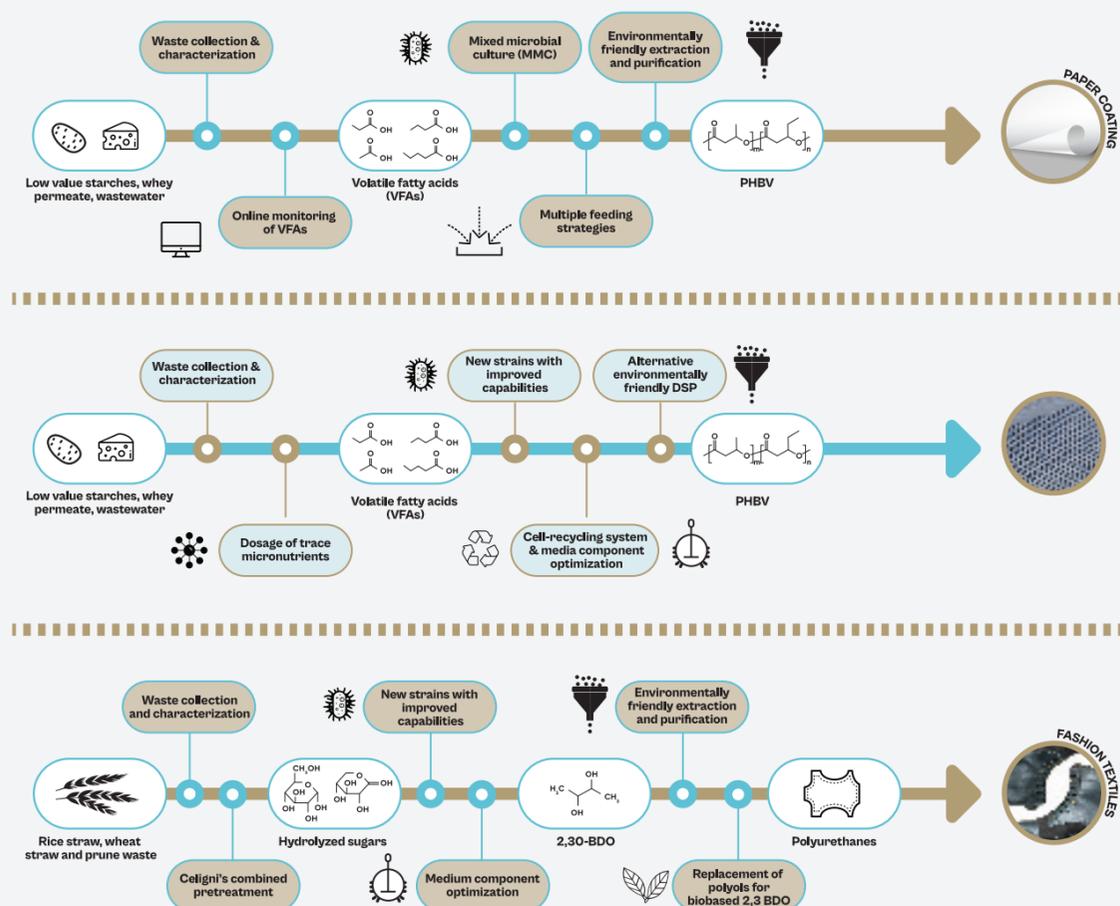
The PROMOFER project will focus on improving the efficiencies (yield, titre, selectivity) of the entire value chain in which fermentation processes are involved to obtain bioproducts and transform these biobased bioplastics into products destined for the market. It will also significantly improve their environmental performance by using recycling and re-use strategies, focusing on the stages that comprise the value chain.

VISION

PROMOFER will work towards achieving an optimal cascading use of bio-based feedstock, aiming for 'zero waste' and 'zero-pollution' operations.

OBJECTIVES

1. Establish a system for the production of biodegradable natural polymers (PHBV) and bio-based polymers (PU) using biotechnological techniques while valorizing different waste.
2. To produce new strains with improved performance for the production of natural polymers and 2,3-butanediol.
3. To improve the extraction and purification process of PHBV and 2,3-Butanediol by environmentally friendly alternatives.
4. To obtain PHBV based compounds for packaging and agricultural application and biobased polyurethane for the fashion industry.



PROMOFER

www.promofer-project.eu
info@promofer-project.eu



The project is supported by the Circular Bio-based Europe Joint Undertaking and its members. Funded by the European Union under grant agreement No101157239. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CBE JU. Neither the European Union nor the CBE JU can be held responsible for them.

