



Final webinar: innovation towards Safe and Sustainable polymers

25 September 2026, 11:00 – 13:00 CET, online

Context	REPurpose is a Horizon Europe project developing safe and sustainable bio-based polymers from local post-consumer plastic, and paper and cardboard waste. Over the course of the project, partners have worked across the entire value chain, from enzymatic and fermentative production of building blocks to polymer synthesis, product development, environmental and safety assessment, and end-of-life recycling, constantly guided by the Safe and Sustainable by Design (SSbD) approach. As the project comes to an end, this webinar will present its key results and reflect on their potential for real-world industrial application.
Target participants	The webinar is aimed at researchers, industry professionals, experts and developers working in the fields of bioplastics, sustainable chemistry, circular economy, and materials science, as well as representatives from the plastics value chain, including raw material producers, converters, brand owners, and recyclers, interested in the transition towards safer and more sustainable polymers.
Objectives	The webinar aims to: • Present the key technical results achieved throughout the project, from waste valorisation to REP polymer development and end-of-life management; • Share insights on the application of Safe and Sustainable by Design (SSbD) principles across the value chain; • Discuss the practical conditions – production, economic, regulatory, and infrastructural - that will determine whether REPurpose's innovations can move beyond the project and into real industrial and market adoption
Registration	The workshop is free of charge. Registration at the following link

Agenda

Session	Duration	Content / Description
Welcome & Introduction	5 min	Opening remarks (and PO speech)
Project results presentation	55 min	1. Introduction and general presentation of the value chain - <i>Bio Base Europe Pilot Plant</i> 2. Enzyme development for plastic waste depolymerisation - <i>University of Natural Resources and Life Sciences</i> 3. Fermentation of the REP building blocks - <i>Saarland University</i> 4. REP polymer development - <i>B4Plastics</i> 5. SSbD - <i>Aimplas/AVEP</i> 6. End of life, biodegradation - <i>Photon Mission/Hungarian University of Agriculture and Life Sciences</i> 7. Product development - <i>Aalborg University</i> 8. TEA, LCA, and S-LCA - <i>Italbiotec</i>
Spotlight session 1	15 min	From waste to safe building blocks
Spotlight session 2	15 min	From building blocks to safe, functional polymer
Spotlight session 3	15 min	Closing the Loop: Economics, Policy and End-of-Life
Q&A	15 min	

