

# PLASTICE



Closing the *loop*  
in the plastic lifecycle



Funded by  
the European Union

Plastics are a major source of waste in our lives, but properly recycling it all is challenging, mainly due to the presence of complex fractions in the waste streams.

The PLASTICE project will valorise a variety of unsorted plastic and textile waste by implementing innovative technologies along the whole recycling value chain.

The purpose is to close the loop by **maintaining the valorisation process performance against feedstock variabilities and by safeguarding the products' quality** for their industrial applications.

PLASTICE valorisation processes are aligned with the latest chemical recycling roadmaps at EU level, and will be developed and tested at **four demo-sites: Austria, Italy and Spain.**



**CASCADE  
ENZYMATIC  
HYDROLYSIS**



**COMBINED  
GASIFICATION  
AND CHEMICAL  
POST-TREATMENT**



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LIQUEFACTION  
OF POLYOLEFINS**



**MICROWAVE  
ASSISTED  
PYROLYSIS**



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