



# PL<sup>♻️</sup>ST2bCLE<sup>♻️</sup>NED

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This Project has received funding from the European Union's Horizon 2020  
Research and Innovation Programme under Grant Agreement N. 821087

# ABOUT THE PROJECT

The overall aim of PLAST2bCLEANED is to develop a human and environmentally safe recycling process for Waste Electrical and Electronic Equipment (WEEE) plastics in a technically feasible and economically viable manner.

Key technologies developed within the project are:

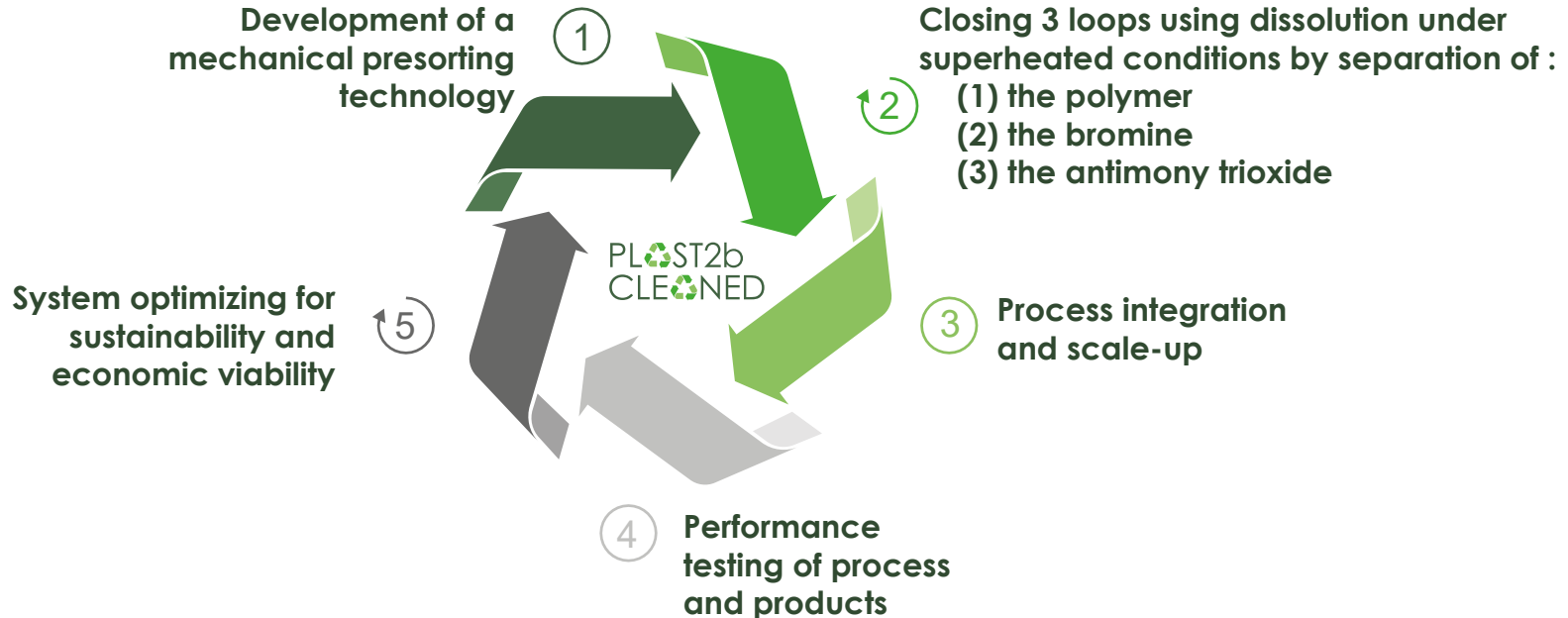
- Improved sorting of HIPS and ABS
- Dissolution of Waste Electrical and Electronic Equipment (WEEE) plastics in superheated solvents;
- Separation of additives to concentrate BFR and ATO fractions for recycling;
- Energy efficient recovery of solvent and of polymer.



# OBJECTIVES

## PLAST2bCLEANED

The overall aim of PLAST2bCLEANED is to develop a human and environmentally safe recycling process for Waste Electrical and Electronic Equipment (WEEE) plastics in a technically feasible and economically viable manner.



# IMPACTS



80%

Desired recovery yield



8%

Increased recycling rate



40% reduction

kton CO2 emissions saved



Closing 3 loops

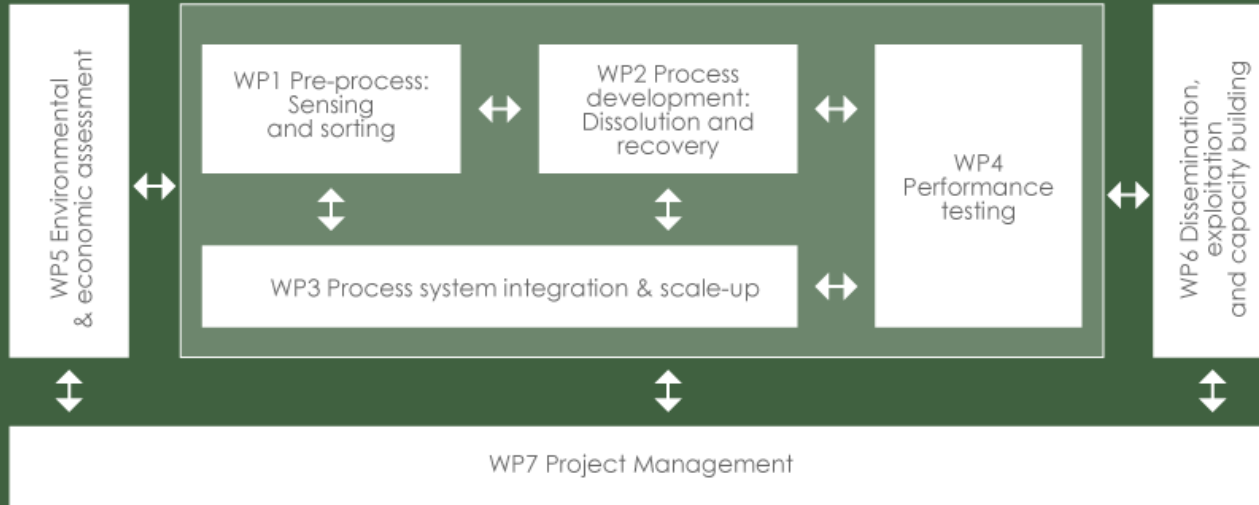
Recycling of polymers, antimony  
and bromine flame retardants



Profitability

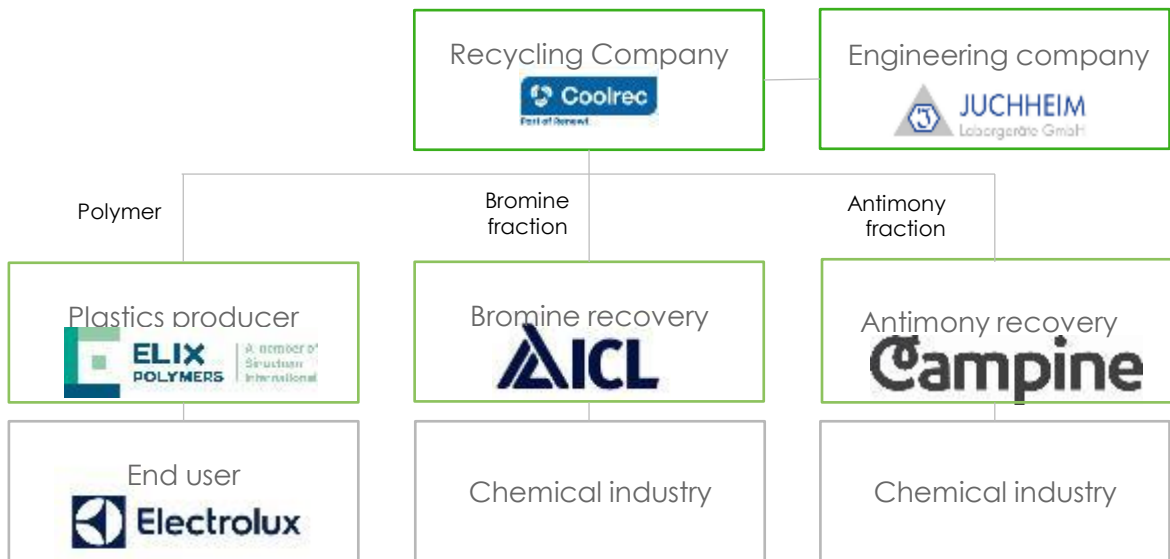


# IMPLEMENTATION



# CONSORTIUM

## Industry/SME



## Research Institutes

Coordinator

## Dissemination and exploitation

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