CIRC-ELV
LIFE

BOOSTING CIRCULAR ECONOMY OF PLASTICS FROM END-OF-LIFE VEHICLES THROUGH RECYCLING INTO HIGH ADDED-VALUE APPLICATIONS

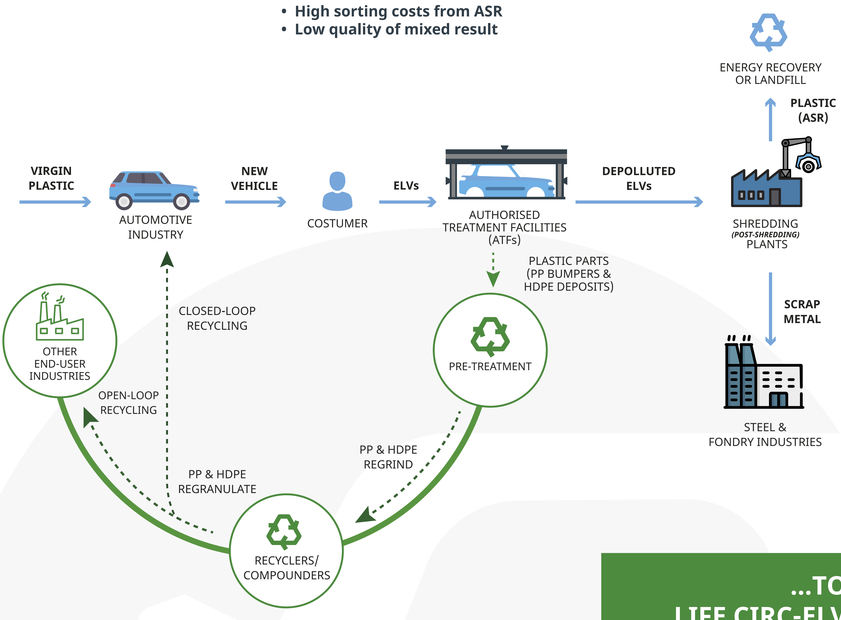
FROM CURRENT...

Primary driving forces for ELV (End of Life Vehicles) treatment:

- **Removal of hazardous substances**
- **Recovering parts of interest**
- **Recycling of metals**

Unsuitable recycling of ELV plastic mixture in ASR (Automotive Shredding Residue):

- **High sorting costs from ASR**
- **Low quality of mixed result**



Sorting at ATFs before shredding to enhance recycling potential of ELV plastic streams.

...TO LIFE CIRC-ELV

30% ELV plastics recycled by 2020 (based on ELV Directive 2000/53/EC)

OBJECTIVES

1. Cost-effective dismantling and sorting of ELV plastics at ATFs
2. Obtaining ELV recycled plastics with improved properties
3. Validating the recycling open and closed loops
4. Demonstrating industrial feasibility of new recycled materials & products
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6. Replicating and transferring the model to other regions & stakeholders

EXPECTED RESULTS

- New sustainable business value chain in the EU for ELV plastics recycling
- **12** Tonnes of recycled plastics produced
- **1000** ELVs treated
- **75%** Carbon footprint reduction
- **90%** Non-renewable energy demand reduction
- New products made of recycled ELV plastics
- **15%** Cost reduction for new products
- 5 EU regions, 3 sectors and 12 customers
- Socio-economic benefits

FUNDING

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COORDINATING BENEFICIARY

AIMPLAS
INSTITUTO TECNOLÓGICO DEL PLÁSTICO

ASSOCIATED BENEFICIARIES

SIGRAUTO · DESGUACE CORTES · indra AUTOMOBILE RECYCLING · ISOLAGO · SIGIT INDEPLAS SISTEMAS S.L.