Circular Economy Stakeholders’ Conference
Brussels, 27 – 28 February 2023

The European automotive industry driving towards circularity

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Who are we?

EuRIC is the Confederation representing the interests of the European recycling industries at EU level.

The European Recycling Industries’ Confederation brings together recycling federations from EU and EFTA Member States.

6,000+ companies including small and medium-sized enterprises.

300,000 local jobs.

Annual turnover of ± €95 billion.

Millions of tons of waste recycling every year (metals, paper, plastics, glass, tyres, textiles, batteries, etc.).

Realising the circular economy.
Recycling – Turning waste into resources

Waste = a resource (if recycled)

Recycling
(Set of innovative industrial processes to dismantle / depollute, separate and achieve for ELVs a recovery rate of 95%)

Recycled materials
(substituting extracted raw materials)
ELVs “unknown whereabouts” (2017)

Figure 1-1: EU-28 balance for registration of new and import of used vehicles, the change in the vehicle stock and the whereabouts of the vehicles.
ELVD Revision – Recyclers’ priorities

1. Tackling loopholes / Fixing inconsistencies across Member States (> 4M ELVs unknown whereabouts / year)

- Harmonized registration and de-registrations systems across Member States
- **Strengthening** of the implementation/enforcement of the **certificate of destruction** (CoD) through **well-framed financial incentives** for the last holder to deliver a vehicle to ATF in exchange of a CoD
- **Clear & “easy way to implement” the distinction between used cars and ELVs**, such as those recently introduced by **Italy** based on a roadworthiness test, to tackle illegal exports of ELVs
- **Stronger involvement of insurers to support the proper implementation of the ELV Directive**
- **Appropriate recognition of the key role played by ELV recyclers** supporting the brunt of the costs of recycling ELVs (88% of all EoL costs).
- **Practical solutions to prevent illegal sales of scavenged spare parts via online platforms**

Essential to level the playing as the ELV recycling sector bear ≥ 88% of the costs associated with the implementation of the ELVD to be factored in producers’ responsibility

2. Connecting the dots between design and EoL stage

- **Eco-design** of cars for recycling
- **Minimum recycled content targets** to pull the demand for circular materials and drive climate-neutrality (plastics and beyond)
Plastics represent 12-15% of car weight. Their use is increasing.

Plastics contribute to mass reduction:
- Lower fuel consumption
- Lower CO₂ emissions

Plastics in cars:
- Plastic is the second material in vehicles after metals
- Car average weight = 1300 kg

**Graph:**
- Metals: 71-74%
- Polymers: 12-15%
- Elastomers: 5%
- Glass: 3%
- Other: 6%
EuRIC’s target for post-consumer recycled content thermoplastics in new cars:

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<thead>
<tr>
<th>Year</th>
<th>Target</th>
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<tr>
<td>2020</td>
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<td>2025</td>
<td>25%</td>
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<td>2030</td>
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Boost circularity and combat global warming as it:

- Provides the certainty needed by Europe's technical plastics recyclers to invest and scale up capacity in mature technologies
- Quality recycled plastics for the automotive sector
- Rewards plastics recycling substantial benefits in terms of GHG emissions and energy savings
- Improves design for recycling of plastics in cars and investment into innovative technologies
- Price valorisation
- Recycle not yet recycled types of polymers and avoid down-cycling

**Push**

- Binding Recycled Content

**Pull**

- 10 Million Tonnes
Thank you for listening!

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