Circular Economy Stakeholder Conference

Session: ‘The European automotive industry driving towards circularity’

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Brussels, 2023-02-27
Eurometaux membership

27
Company members, across the full metals value chain:

27
Company members, across the full metals value chain:

8
Commodity associations

13
National associations

23
Associate members
What raw materials drive EU clean mobility?

- **Zn** (Zinc) ▲ 17kg
  - Recycled: >85%
  - Galvanised steel

- **Cu** (Copper) ▲ 70kg
  - Recycled: >90%
  - Wiring, battery and motors

- **Al** (Aluminium) ▲ 15kg
  - Recycled: >90%
  - Lightweight automotive parts

- **Dy** (Dysprosium), **Nd** (Neodymium)
  - 3kg combined
  - Permanent magnets (in electric motor)

- **Pb** (Lead) ▲ 12kg
  - Recycled: >99%
  - Lead-acid car batteries

- **Li** (Lithium), **Co** (Cobalt), **Ni** (Nickel), **Cu** (Copper)
  - Lithium-ion battery packs
  - 13kg, 14kg, 46kg, 30kg

- **Rh**, **Pd**, **Pt** (Rhodium, Palladium, Platinum)
  - Recycled: >60%
  - Catalytic converter

Source: World Bank

Notes:
1. Approximate weight in an average single vehicle.
2. Percentage of the metal currently being recycled from European cars.
Key issues for the upcoming regulatory framework

Missing & illegally exported ELVs

• Tackle the problem of ELVs deregistered without a certificate of destruction.
• Enforce controls at the borders to prevent illicit export of ELVs to non-EU countries.

Recycling aspects

• Increase the flow of ELVs through improvements to design, collection, dismantling & sorting.
• Maximise vehicles dismantling before shredding.

Coherence of EU legislation

THANK YOU

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