

[Information based innovative Circular Business models in the automotive sector /Preserve the material value

- Thematic Areas: Circular Economy. Activity: Up-scaling. Technology/Topic of focus: big data, material sorting, new metal recovery routes, extended product responsibility (EPR).
- key elements of the idea/problem: preserve and enhance the value of the products and components at their EoL, controlling and sharing (e.g under request/agreement/payment) the information about their composition.
- Expected synergies and complementarities: Integrated with current *SAP and IMDS (International Material Data System)*. *Electric vehicle/Car sharing: new paradigm equal to new opportunities.*
- Outcomes:
New circular business models based in take-back schemes, reuse, data management, shared data; tailored product; resource recovery and product life extension,
- As example: 10% of raw alloying compounds per Tone of high-steel produce due to a better information on the steel parts composition, 20% savings of CO₂eq per vehicle due to the implementation of Resource Recovery Business Model
- Market & Business opportunities:
All automotive value chain can participate. Potential Benefits: efficient use of resources, new business opportunities, reduce the dependence to acquire scarce and costly raw materials.
- Partners already identified:
[Please name the partners involved.]
- Wanted additional partners :
Dismantling and sorting large facilities, electronic components manufacturers, plastic components

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