



















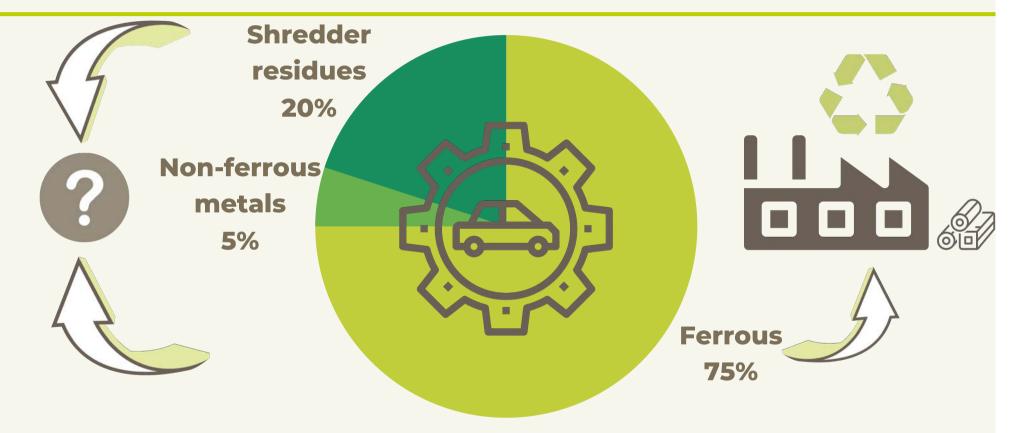


GROUPE COMET





1,200,000 tonnes processed per year



3



SORTING OF THE SHREDDER RESIDUES

Air

Water

Eddy current













Continuous innovation





Shredder residues 🔼

















Non-ferrous metals

Aluminium

Zinc



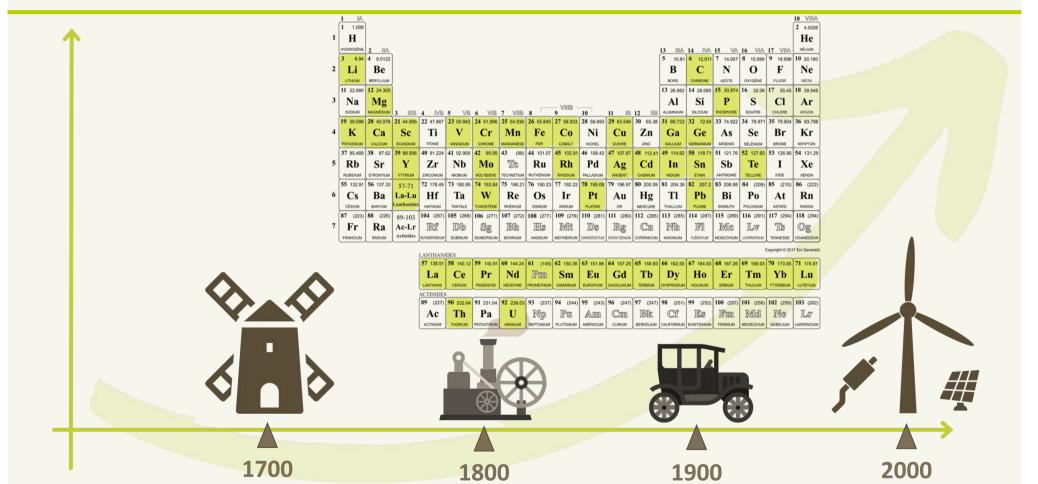
Copper

Brass



ENERGY TRANSITION







MIEUX TRIER POUR MIEUX RECYCLER

EU & US Zorba resources





1,5 million tons





Bring metal sorting back in EU















Supply of EU smelters I



MULTIPICK

Value creation





Technology showcase



MIEUX TRIER POUR MIEUX RECYCLER

From PICK-IT (2015-2020) to MULTIPICK (2023)

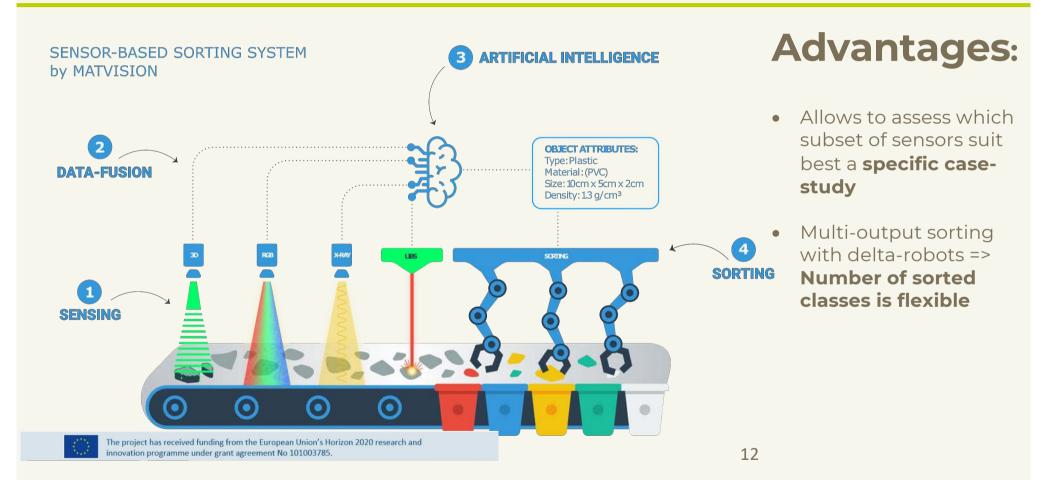






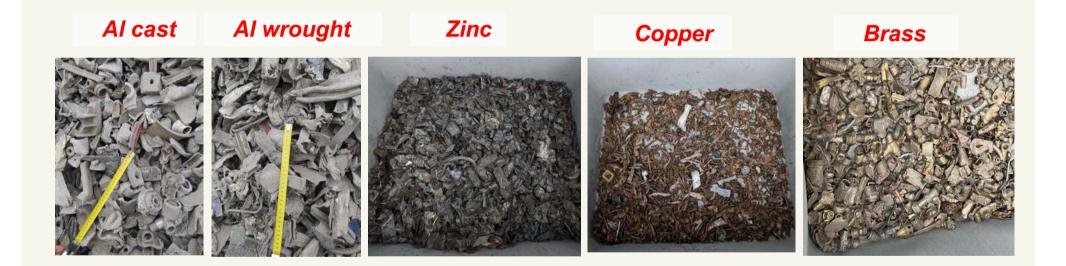


MIEUX TRIER POUR MIEUX RECYCLER



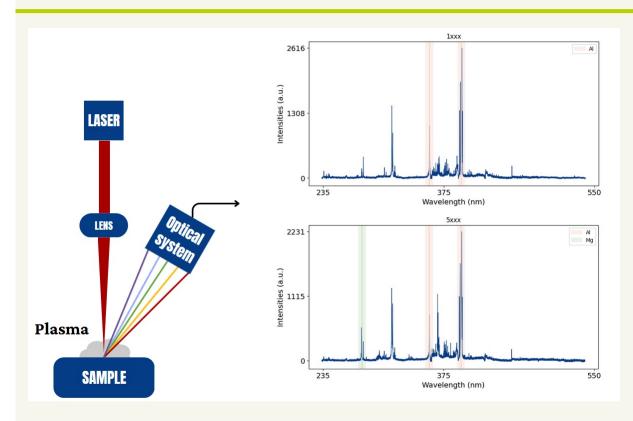


MULTIPICK MIEUX TRIER POUR MIEUX RECYCLER





MIEUX TRIER POUR MIEUX RECYCLER

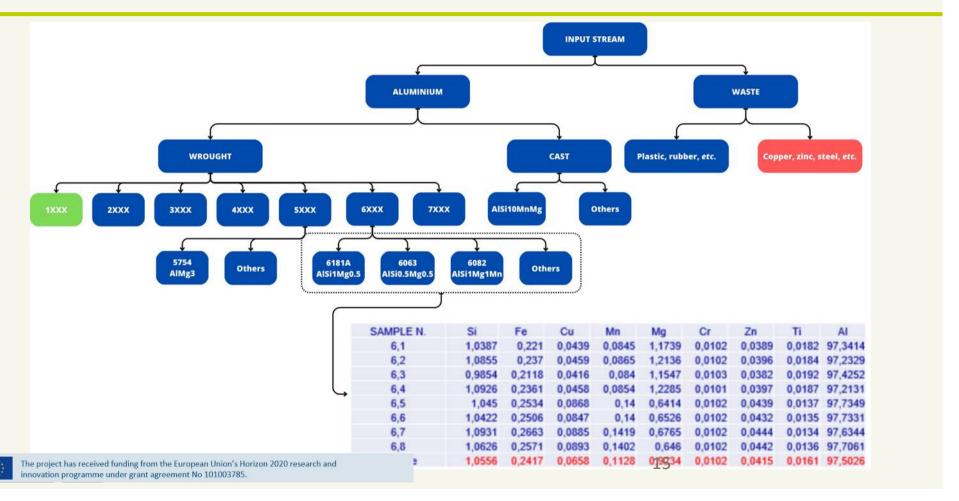


LIBS analysis:

- Sample surface is excited by a laser
- Plasma is created
- When cooling down, the plasma emits light
- This light contains peaks characteristic of elements present
- Optics collect light and transmit it to a spectrometer

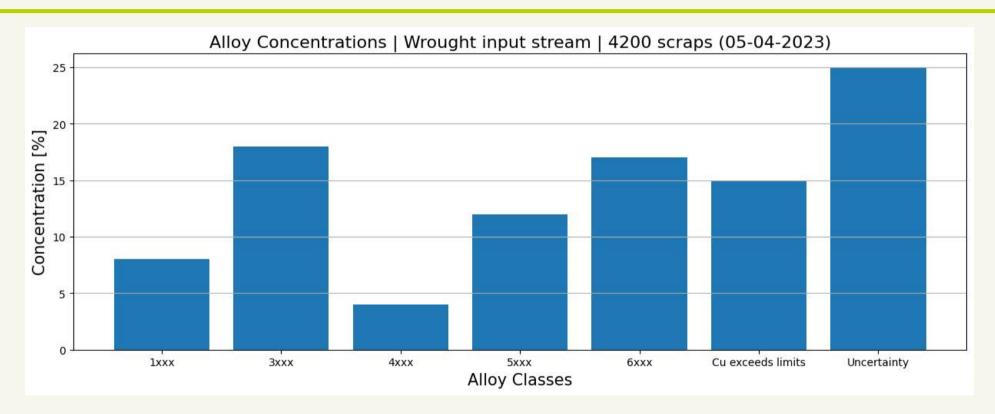


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MULTIPICK MIEUX TRIER POUR MIEUX RECYCLER







Challenges

- 1. Increase Labeled Data: Consider efficient labeling strategies to maximize dataset quality.
- 2. Optimize Class Distributions: Strive for a balanced and diverse set of classes. Reduce the model uncertainty on new classes.
- **3. Enhance Model Architecture:** Continuously explore and implement advanced model architectures.
- **4. Intensify Model Evaluation:** Conduct thorough evaluations of the model's performance, especially with real production outputs.







Feedstock for EU smelters







Environmental impact:
Less extraction
& less transport

