

POWERING EUROPE THROUGH CIRCULAR INNOVATION

METIUM (HydroMETallurgical Tech for Interregional Urban Mining) is a Horizon Europe project focused on transforming urban waste into valuable Strategic Raw Materials. By scaling advanced hydrometallurgical recycling technologies and building interregional Urban Mining value chains, the project connects research institutions, industry partners, and regions across Europe.

METIUM aims to recover critical materials from end-of-life products and waste streams, reducing dependency on imports while supporting Europe's circular economy and sustainable industrial development.

RESOURCES DON'T DISAPPEAR — THEY TRANSFORM



Scan and discover how
waste becomes value!

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STRONGER. INDEPENDENT.
SUSTAINABLE. THIS IS EUROPE.



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Urban waste. Strategic power.

METIUM is building Europe's first interregional Urban Mining ecosystem to recover critical materials from waste.

SMARTER RESOURCES FOR A SUSTAINABLE EUROPE

METIUM applies advanced recycling technologies and strong interregional collaboration to recover valuable materials from urban waste. By turning end-of-life products into new resources, the project supports Europe's circular economy while strengthening industrial resilience and reducing dependence on imported critical materials.

Vision

A future where cities become reliable sources of valuable materials is at the core of this project. By transforming waste into valuable resources, it supports a more sustainable and resource - independent Europe.

Solutions

METIUM delivers innovative solutions that connect collection, pre-processing, and advanced metal recovery into efficient Urban Mining value chains. Through scalable technologies and cross-border collaboration, the project enables the recovery of critical materials from end-of-life products.

80%–99.99%

recovery efficiency of critical raw materials from waste streams

11 strategic raw materials recovered at high purity levels



SMART RECOVERY. REAL IMPACT.

Impact

By recovering Strategic Raw Materials from urban waste, METIUM helps reduce Europe's dependency on imports while supporting industrial resilience and environmental sustainability. The project demonstrates how circular solutions can turn waste into long-term economic value.

COLLABORATING ACROSS EUROPE TO TRANSFORM WASTE INTO VALUE

METIUM connects 19 organizations across Europe, bringing together expertise in research, industry, recycling, and engineering. Together, the consortium builds interregional Urban Mining value chains and develops scalable recycling technologies for a circular future.