



UNIVERSITÀ DI PISA

DIPARTIMENTO DI CHIMICA E CHIMICA INDUSTRIALE
PROGRAMMA REGIONALE TOSCANA

PR FESR TOSCANA 2021 – 2027

AZIONE 1.1.2: Ricerca e sviluppo per l'attrazione investimenti”
Bando Ricerca, Sviluppo e Innovazione per l'Attrazione Investimenti



Recupero e valorizzazione dei rifiuti in plastica per la produzione di premiscelati da destinare alle fonderie per la produzione delle forme di colata (Recovery and valorization of plastic waste for the production of premixed materials to be used in foundries for mold casting)

The FENICE project deals with the reduction of environmental impacts of the foundry process, aiming at the identification of a technologically adequate substitute for the “mineral black”, which currently is added in premixes as a fossil co-ingredient for green molding. This substitute will be sought in the waste materials supply chain, which will be studied as is or appropriately pre-treated to acquire those chemical and technological properties that allow their specific use in the foundry.

Involved partners:

- ARCHA Srl
- LAVIOSA CHIMICA MINERARIA SpA
- Fonderia Carlo Gelli & F.
- Orione Srl
- University of Pisa, Department of Chemistry and Industrial Chemistry

Period: January 2025 – April 2026

Budget: € 1.750.000,99

Co-financed by Tuscany Region: € 1.074.890,40