

LIFE FOUNDRYTILE

PROJECT LOCATION: Spain-All regions

BUDGET INFO:

Total amount: 1,205,363 €

% EC Co-funding: 60 %



DURATION: Start: 03/09/15 - End: 31/08/18

PROJECT'S IMPLEMENTORS:

Coordinating Beneficiary: Fundació CTM Centre Tecnològic

Ass. Ben.: Asociación de Fundidores del País Vasco y Navarra, Asociación de Investigación de las Industrias Cerámicas, Asociación Española de Fabricantes de Azulejos y Pavimentos Cerámicos, EUROATOMIZADO, S.A.

OBJECTIVES & SCOPE:

To demonstrate the valorization of all iron foundry sands and dust in the ceramic tile production process. The new application will have three main benefits: preservation of natural resources, increase foundry waste valorization and environmental footprint reduction

TECHNICAL

- Generate a matrix of foundry byproducts applications in ceramic tile products
- Evaluate at pre and industrial scale the technical viability of the applications
- Environmental and economic viability assessment of applications and their correspondence with social impact
- Evaluation of foundry byproducts pre-treatment to increase their valorization
- Human health risk assessment based on industrial test
- Characterization of foundry byproducts from different source points

DISSEMIN.

- Incorporate the project results in BREF documents for both foundry and ceramic sectors (SF and CER)
- To disseminate the obtained results and transfer the knowledge acquired
- To foster social awareness related to the environmental problem targeted



EXPECTED IMPACTS

Key indicators and parameters	Descriptors	Impact units	State-of-play at the beginning of the project	State-of-play at the end of the project	Impact at project level	State-of-play 3 years after the project end	Impact 3 years after the project end
Waste management	Recycling of foundry by-products	metric tons waste/year	115.839,93	150.279,93	34.440,00	260.979,93	145.140,00
Resource efficiency - green circular economy	Ceramic and foundry companies	No. of companies where practices are implemented	0	30	30	140	140
	Practices	No. of practices	25	41	16	41	16
Implication of NGO including interventions supporting EU policies and of other stakeholders	Other interventions supporting EU policies: BREF documents	No.documents	0	2	2	2	2
Website	Visits	No.of individuals	0	1.950	1.950	2.670	2.670
Networking and other professional training	Professionals	No.of individuals trained	0	500	500	625	625

POLICY IMPLICATION

- Contribution to the implementation of Waste Framework Directive 2008/98/EC promoting waste reuse following the objectives of the Roadmap for a Resource-Efficient Europe
 - In line with the Strategy for smart, sustainable and inclusive growth. COM(2010) 2020 final "Sustainable growth – promoting a more resource efficient, greener and more competitive economy"
 - Impact reduction of raw materials extraction in quarries (Directive 2006/21/EC)
 - Minimization of the disposal of foundry waste by landfill (Directive 1999/31/EC)
 - Contribution to the objectives of the EU related to follow the roadmap for the reduction of greenhouse gases emissions (GHG)
 - Contribution to the protection for ecosystems and conservation of biodiversity in line with the European Parliament resolution of 20th April 2012, EU Biodiversity Strategy to 2020.
- Inclusion of project outputs in the revision of **BREF documents** for foundry and ceramic sectors