

Valorization of iron foundry sands and dust in ceramic tile production process



The main objective of the LIFE FOUNDRYTILE project is to demonstrate the valorization of iron foundry sands and dust in the ceramic tile production process. The innovative character is provided by the utilization of green and chemically bonded foundry dust and sand in tile production replacing natural raw materials, clay (for red firing ceramic products) and sands (for white firing ceramic products).



THIRD CONSORTIUM MEETING

On the 27th of October 2016 the third general meeting of the FOUNDRYTILE project was held in the headquarters of the partner AFV (Asociación de Fundidores del País Vasco y Navarra), located in Bilbao.

As on previous occasions, the meeting served to share the work done by each partner and update the progress made in each action. As at the previous general meeting held in Castellón, the agenda was marked by NEEMO's attendance, who followed in situ the evolution and progress of the project. This time project's NEEMO gave feedback about the Progress Report submitted by the consortium the previous month.

PROGRESS OF ACTIONS

The meeting began with a summary of all actions by the coordinator, showing the updated schedule and actions already completed: A.1 "Compilation of casting characteristics and ceramic requirements", B.1 "Selection and characterization of foundry by-products" and D.2 "LIFE Information Panels".

Concerning action B.1, the content of Fe_2O_3 and organic carbon have been identified as critical parameters for the use of foundry by-products in ceramic tiles.

Taking into account the results obtained in Action B.1, the consortium has made progress in action B.2 "Evaluation of pre-treatments for the conditioning of foundry by-products". In this action the following pre-treatments have been determined for the conditioning of foundry by-products:

- Physical Separation
- Magnetic Separation
- Thermal pre-treatment



Regarding action D.4, the next dissemination events were mentioned:

- "INTERGUNE +, Internationalization Forum of the Basque Country" held in Bilbao on 4th and 5th of October 2016.
- AFV's session with iron foundries and public administration in Bilbao on 4th of November 2016.
- Dissemination event held at the CTM's facilities (Manresa) on November 8th 2016.

Finally, projects related to FOUNDRYTILE topic were put in common.

www.foundrytile.eu

Next consortium meeting:

- ASCER's facilities, Castellón.
- April-May 2016.



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