



Reducing mineral fertilisers and chemicals use in agriculture by recycling treated organic waste as Compost and Biochar products

- **Project budget: £3.2m**
- **Stakeholders: Compost and Biochar treatment providers, and farmers**

REFERTIL has the mission to contribute to the transformation of urban organic waste streams, food industrial by-products and farm organic residues such that instead of these undergoing a costly disposal process, the transformed products generate income. The products will be safe, economical and standardized compost and biochar products containing phosphorous and nitrogen that can be economically and beneficially used by farmers. As a result, both food and environmental safety is improved, while a new economy is generated.

Project Objectives

- Identification, sampling and quantification of the main urban organic waste and agriculture residue flows and logistic systems in the participating countries.
- Benchmarking technologies involved in the transformation of waste to biochar or compost.

- Development of a microbiological strategy to enhance the qualities of compost.
- Improvement of biochar production and treatment process.
- Optimising Composting process and product improvement.
- Best available technology demonstrations and trials.
- Validation of improved technologies and recycled products against 'end-of-waste' criteria.
- Setting up a framework for common quality standard requirements for processing and resulting products.
- Dissemination of project activities and outcome to various stakeholders especially farmers as end-users.

TWI's role

TWI is involved in a number of work packages with the key role as providing inputs to the assessment and benchmarking of technologies involved.

TWI is working in collaboration with a number of partners having different specialisms. The consortium is led by Terra Humana Clean Technology Engineering Ltd in Hungary.



More information on the project is available at

[Refertil.info](http://www.refertil.info)

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