

Waste4Soil Media Kit

PROJECT OVERVIEW:

- **Title:** Turning Food Waste into Sustainable Soil Improvers for Better Soil Health and Improved Food Systems
- **Acronym:** Waste4Soil
- **Grant Agreement ID:** 101112708
- **Programme:** Horizon Europe
- **Duration:** June 1, 2023 - May 31, 2027
- **Total Budget:** €7 million
- **Coordinator:** Centre for Research and Technology Hellas (CERTH), Greece
- **Website:** www.waste4soil.eu

Mission:

Waste4Soil is a groundbreaking initiative that seeks to transform food processing residues into innovative, bio-based soil improvers. By promoting circular food systems, the project addresses food waste, enhances soil health, and provides sustainable solutions for the agricultural sector.

OBJECTIVES:

Innovative Recycling Solutions:

Develop 10 technological and methodological processes to recycle food processing residues into high-value soil improvers.

Living Labs for Soil Health:

Establish seven Soil Health Living Labs across Europe (Greece, Spain, Italy, Hungary, Poland, Slovenia, Finland) to evaluate and validate soil improvement strategies.

Circular Food Systems:

Create frameworks and tools to assess and enhance stakeholders' progress toward sustainable, circular food practices.

KEY COMPONENTS:

TECHNOLOGICAL INNOVATIONS:

- **Anaerobic Digestion Residues:** Deploy advanced nutrient separation technologies, such as electrodialysis and bio-electrochemical systems.
- **Biochar Production:** Develop methods for efficient biochar production using food processing waste.
- **BioPhosphate Processing:** Novel upcycling of food processing residues to transform into multifunctional compound SI soil improver and biofertilizer ABC Animal Bone bioChar BioPhosphate (ABC-COMPOCHAR) to create financial and non-financial benefits/values for the users and value chain stakeholders..
- **Composting:** Optimize composting techniques for solid residues.
- **Protein Hydrolysates & Microalgae:** Use protein hydrolysates as soil biostimulants and integrate anaerobic digestion with microalgae for enhanced soil fertility.

MANAGEMENT PLATFORM:

A digital platform integrating data analytics, IoT devices, route optimization, and soil health evaluations.

CONSORTIUM:

The Waste4Soil consortium unites 28 partners from nine European countries and Switzerland. The collaboration includes leading universities, research institutions, industry stakeholders, and associations.

KEY PARTNERS:

- **Centre for Research and Technology Hellas (CERTH)** - Coordinator
- Wageningen University (Netherlands)
- University of Parma (Italy)
- Research Institute of Organic Agriculture (FiBL, Switzerland)
- Savonia University of Applied Sciences (Finland)
- 3R-BioPhosphate Ltd. (Hungary)

Full Partner List: [Consortium Page](#)

EXPECTED OUTCOMES:

- Significant reduction in food waste across Europe.
 - Enhanced soil fertility and biodiversity.
 - Adoption of circular practices in the food industry.
 - Practical tools and frameworks for industry stakeholders.
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MEDIA RESOURCES:

- **High-Resolution Images:** Photos of project activities, team members, and Living Labs (available upon request).
 - **Infographics:** Visual representations of the technological processes and soil health benefits.
 - **Video Content:** Project overview and interviews with key researchers.
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CONTACT INFORMATION:

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