RE-GreenVOCs

Project Objectives

The RE-GreenVOCs Project (CODEVELOP-REPowerEU/1223/101) aims to provide a holistic, innovative solution for producing tailor-made biochar derived from municipal woody waste biomass. This approach integrates smart and sustainable practices specifically designed for applications in cattle manure management. Biochar, as a material, holds significant potential in mitigating the emission of odorous volatile organic compounds (VOCs), a key contributor to air quality degradation near livestock operations. By targeting odor reduction, the project seeks to improve residential quality of life in areas adjacent to livestock zones, enhance local air quality, and support bioeconomy growth. Through its focus on sustainable waste valorization and environmental impact reduction, RE-GreenVOCs underscores its commitment towards a greener, more livable future.

Ecosystem health | Natural Resource Quality | Green Practices | Climate Resilience | Bio-economy growth

Project Activities

Enhance municipal woody waste management practices

Upgrade municipal woody waste into high-added value biochar

Utilize biochar in cattle manure treatment, an eco-friendly solution

Design and develop a soil sampling tool on a UAV platform

Pilot scale integration of IoT-enabled systems to measure air quality and soil health

Enterprise and Academic Partners

CYRIC

University of Cyprus

OPEN UNIVERSITY OF CYPRUS

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