

UNLOCKING EFFICIENT BIO-BASED FERTILISERS FOR SOIL SUSTAINABILITY FROM UNDERUTILISED SIDE STREAMS (LANDFEED)

Coordinator/Head of the IUNG-PIB team: dr Magdalena Dziągwa-Becker

LANDFEED will focus on creating value from under-utilised waste from the agro-food industry, forestry, urban and natural waste, implementing circular and local solutions that allow waste to be valorised by placing it in a circular framework, and producing innovative biofertilisers to improve Europe's self-sufficiency. In addition to optimising and implementing innovative nutrient recovery technologies, work will be carried out on a new generation of coatings for these bio-based fertilisers, capable of improving their efficiency through controlled nutrient release mechanisms. In this way LANDFEED will contribute to a better management of the fertiliser provided, we will contribute to lower greenhouse gas emissions and a reduced impact on the environment's water resources. LANDFEED will ensure that the solutions and results of the project are locally driven through the different use cases. The use cases will consider all links in the value chain that will participate as lighthouses, serving as demonstrators and disseminators of the technologies, results and applications developed during the project.

These use cases will also contribute to the objectives of the Soil Strategy by enabling the restoration of soil health through the enhancement of its specific and functional biodiversity. At the global level, the business model will be defined in its entirety, with the aim of maximising the replicability of these Use Cases and facilitating their implementation in other European areas and regions.

The project started on 1 September 2024.

/ Prepared by: dr Magdalena Dziągwa-Becker/

Source: Funding and Tenders Portal