



ClieNFarms Practice Abstracts

Carbon Allowance Platform – a scalable incentive framework for regenerative agriculture

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Transition to regenerative agriculture requires accurate measurement of soil health and greenhouse gas (GHG) emissions, as well as strong financial incentives for farmers. However, existing systems often lack integration between data, advisory support and economic rewards, limiting large-scale adoption.

The Carbon Allowance Platform developed by AgriCircle addresses this gap by offering a robust, data-driven solution that supports regenerative agriculture across Europe and beyond. It combines precision soil data, verified carbon footprint calculations, and a performance-based incentive system that allows food value chain actors to reward farmers for implementing climate-positive practices.

Through real-time performance monitoring with the DORA system that is a comparing a farms plant productivity and soil cover against the region of a farms, a catalogue of over 200 regenerative practices, and farmer-to-farmer learning, the platform helps users identify and apply the most impactful actions.

Farmers benefit from clear economic incentives, improved soil health, and practical peer learning, while the food industry gains access to certified data to support sustainability claims and reduce supply chain emissions. For policymakers and researchers, the platform offers a scalable, measurable model for climate mitigation with integrated data collection and evaluation.

By 2027, it aims to reach 20€ million in annual transaction volume, promoting better soil health, greater carbon sequestration, and widespread adoption of regenerative practices through outcome-based compensation.

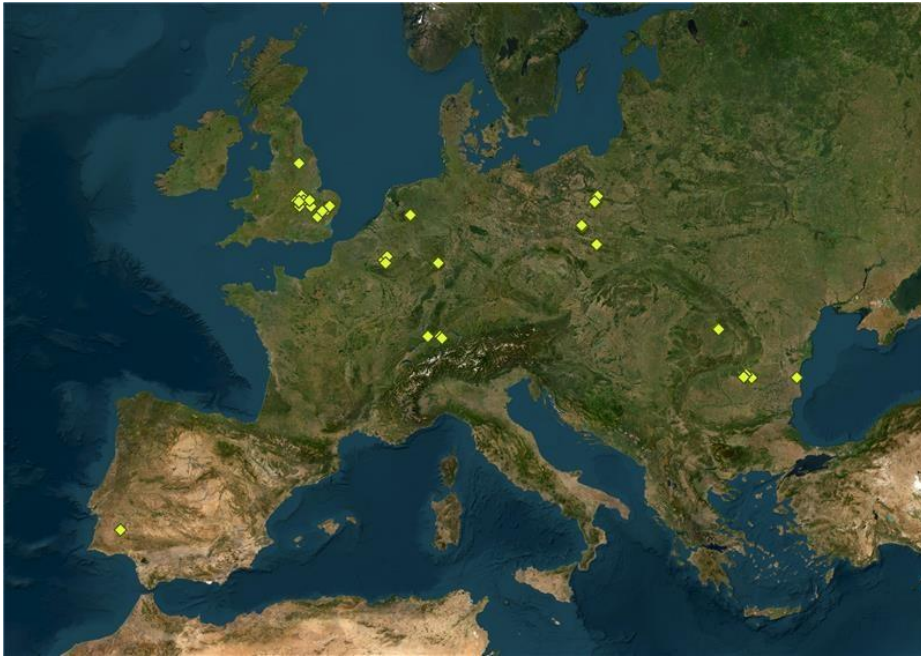


Figure 1 : Distribution of the I3S farms with precision soil mapping points.



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THIS PROJECT HAS RECEIVED FUNDING FROM
THE EUROPEAN UNION'S HORIZON 2020
RESEARCH AND INNOVATION PROGRAMME
UNDER GRANT AGREEMENT NO 101036822



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