

# SOIL CAPITAL: CLIMATE CHANGE MITIGATION PROJECT FOR ARABLE FARMING



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|------------------------------------------------------|-----------------------------------------------|------------------------------------------------------------------------------------|
| <b>Project partner:</b><br>Soil Capital Belgium SRL  | <b>Country of project located:</b><br>Belgium | <b>Region of project located:</b><br>Distributed across 26,500 hectares in Belgium |
| <b>Type of project:</b><br>Soil Carbon & Agriculture | <b>Certification standard:</b><br>ISO 14064-2 | <b>CO<sub>2</sub>-effect in metric tons p.a.:</b><br>295,866 tCO <sub>2</sub>      |

## Description of the project:

Belgium's agricultural landscape faces a critical turning point as conventional farming depletes soil health, leaving farms increasingly exposed to droughts and floods. Soil Capital responds by managing Europe's first certified carbon payment program, rewarding farmers for their role in addressing the climate crisis. In Belgium, where Soil Capital is headquartered, 136 farmers across 20,000 hectares are pioneering regenerative practices that demonstrate how local communities can lead agricultural transformation. Together with over 1,800 farmers across Europe managing 500,000 hectares of agricultural land, the program accelerates the shift from conventional to regenerative farming by connecting producers with companies committed to net-zero goals.

The program focuses on five critical areas: soil health, biodiversity, water management, climate, and socio-economics. Farmers adopt practices such as reduced tillage and cover cropping to increase soil carbon storage, drawing CO<sub>2</sub> directly into the ground. To ensure high data integrity, the project monitors over 30 performance indicators, providing a transparent and scientific framework. The program is annually audited by TÜV Rheinland, an independent third-party.

Beyond climate action, Soil Capital works to improve farm profitability and resilience. Farmers receive 70% of carbon credit revenues, with more than €600,000 paid to Belgian farmers to date. These payments support the restoration of traditional landscapes, cleaner water cycles, and the production of nutrient-dense food, ensuring long-term land stewardship remains economically viable.

## Key outcomes:

- Delivers scientifically robust farm emissions assessments through the IPCC-aligned Cool Farm Tool and the DNDC model from Regrow.
- Enhances farm resilience to climate extremes by improving soil health and water retention.
- Ensures fair compensation by returning 70% of carbon certificates revenues directly to participating farmers.
- Restores local ecosystems by reducing erosion, improving water quality, and integrating agroforestry on active farmland.



Zoom on living soil rich in organic matter



Operating a Slake Test to compare the structure between two types of soil. The regenerative agriculture sample on the right shows better soil structure and is less prone to erosion.



Field visit in Belgium at a farm from the Soil Capital's programme.

## Supported SDGs



Boosts food security through improved soil health.



Protects groundwater by reducing runoff and erosion.



Scales innovative, climate-smart regenerative farming across Europe.



Build climate-resilient farms and reduce agricultural emissions through soil carbon sequestration.



Restores on-farm biodiversity via integrated agroforestry.