IMPACT REPORT 2025

FARM TECHNOLOGIES

Impact Report 2025

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How we enable sustainability through technology

“I founded xFarm from a conviction that has only grown stronger over time: agriculture can only become truly more sustainable if it also becomes more measurable, more informed, and more capable of managing complexity. My background has always been divided between two worlds—technology and farming—and xFarm was born from the belief that those two dimensions could be brought together in a way that creates tangible value.

Today, sustainability in agriculture cannot be separated from the economic reality farmers face, from the pressure of climate change, or from the growing need for transparency across supply chains. This is why I believe technology matters: not as an end in itself, but as an ally that helps transform data into clarity, and clarity into action.

To me, real impact means enabling farmers and agri-food companies to make better decisions, strengthen resilience, and create long-term value. When sustainability becomes part of everyday operations—not a layer added afterward, but a way of working—then change becomes tangible.”

Matteo Vanotti
Chief Executive Officer
xFarm Technologies

+16.5M
Hectares

+600.000
Farmers

In green, field digitized by xFarm at December 2025

A new step in Brazil

A new company joined our journey, strengthening our commitment to more traceable, resilient and sustainable agriculture across LATAM

Farmbox
Founded in 2011
Joined xFarm Technologies
in March 2025
Pelotas, Brazil
With practical solutions and technology applied to the field, the company supports farmers in decision-making, organizing their routines, and increasing production efficiency.

Our key partners

Across more than **100 players**, we work alongside agricultural stakeholders to drive digitalisation, traceability, and sustainability.
More than service providers, we act as partners—helping create shared **value** for companies, farmers, and the broader **food system**.

B part of the future

xFarm is now a Certified B Corp™

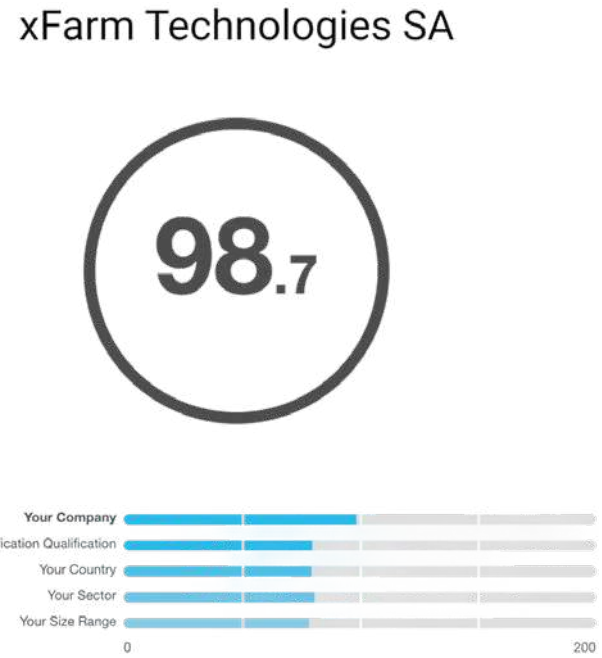
In 2025, xFarm Technologies became a **Certified B Corporation™**, joining a global community of companies that meet high standards of social and environmental performance, accountability, and transparency.

This certification reflects a commitment that has shaped our path since day one: supporting the agri-food sector with digital tools that make agriculture more efficient, measurable, and sustainable.

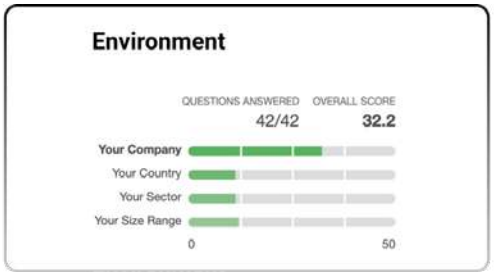
For us, this milestone is both a recognition and a responsibility. It confirms the direction we have taken, while reinforcing our commitment to keep improving the way we create value for farmers, supply chains, communities, and the environment—contributing to a more inclusive, equitable, and regenerative future

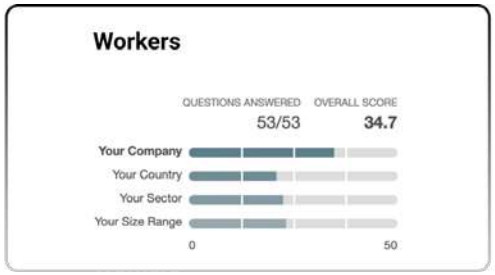
Certified B Corporation
This company meets high standards of social and environmental impact.

Going beyond the benchmark



Across four key impact areas, our score was higher than the average benchmark, reflecting a path built on responsibility, consistency, and continuous improvement.





Supporting our farmers more closely than ever

220 fantastic colleagues, 1 exceptional team

Italy	113 people
Switzerland	10 people
Spain	18 people
France	11 people
UK	3 people
Brazil	61 people
Poland	3 people
India	1 person

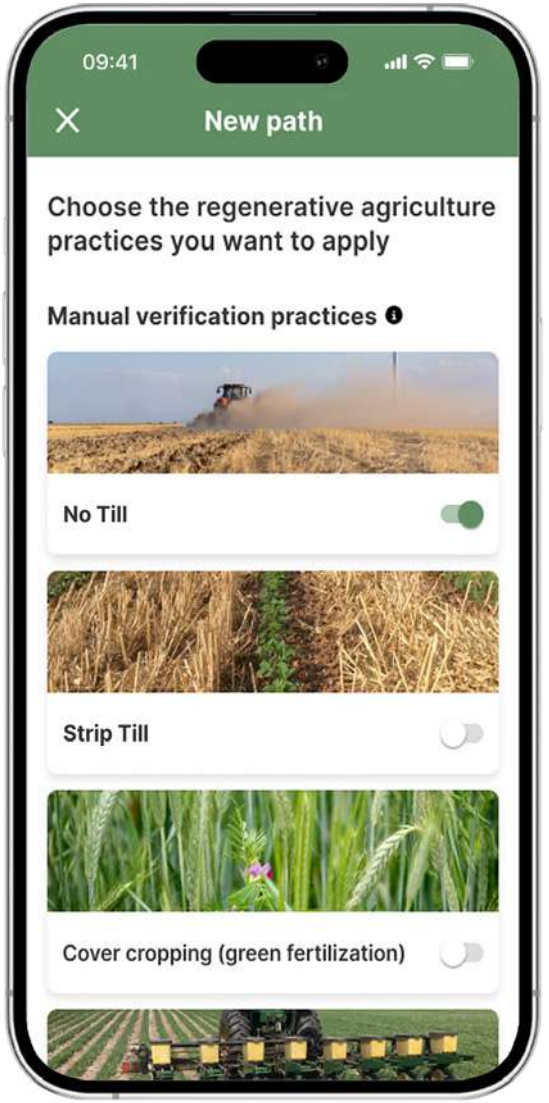
A new module for

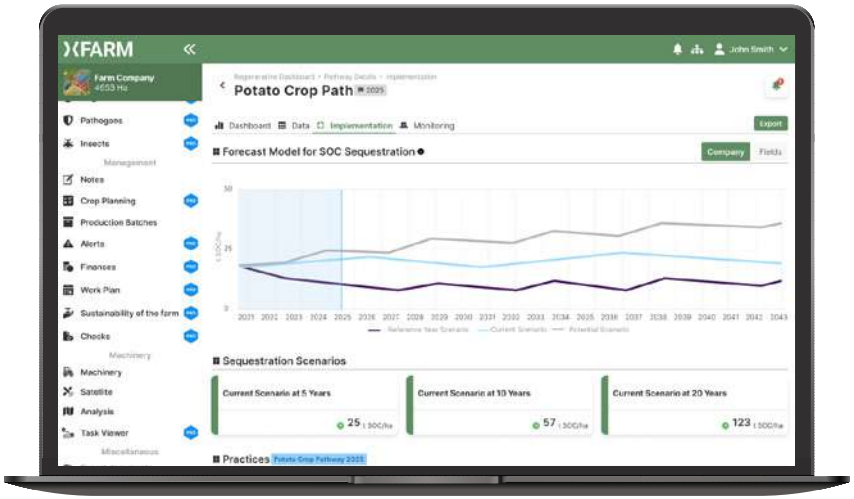
Regenerative Agriculture

A digital solution designed to help farms and supply chain companies build shared, trackable regenerative agriculture pathways.

Through the collection of farm-level data, supported by an integrated MRV (Monitoring, Reporting, Verification) system, the module enables a structured approach to monitoring practices and estimating environmental impact, including through a predictive carbon sequestration model.

Process-based model used:





DATA COLLECTION AND ACTIVITY TRACKING

All regenerative agriculture activities can be monitored directly within the platform.

PRACTICE MONITORING

The platform displays the ongoing progress of the programme through aggregated data and regularly updated KPIs.

PRECISE SOIL ANALYSIS

Soil conditions are assessed with precision by combining satellite imagery and in-field sampling.

Everything is managed through a single platform that includes:

DIGITAL CENTRALISED MANAGEMENT

From baseline definition to monitoring, all data is collected and verified through **a unified, streamlined process**.

BUILT-IN MRV AND PREDICTIVE MODELLING

Tracks implemented practices and evaluates **both potential and actual SOC scenarios**

FARMER PARTICIPATION

Farmers work within the same platform they already use for everyday farm management.

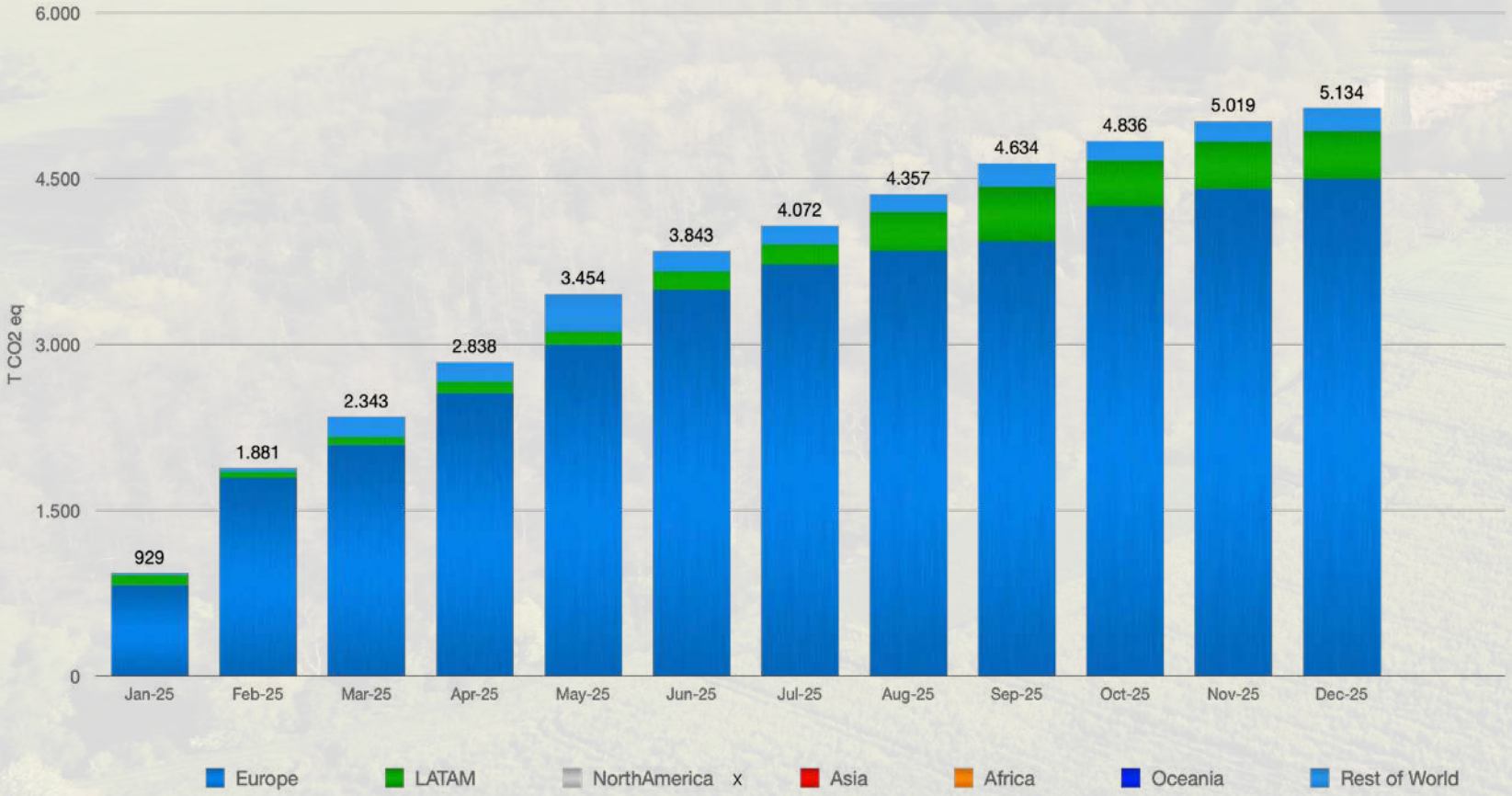
ESG GOALS ALIGNMENT

Facilitates **supply chain reporting** and enhances **communication with stakeholders and customers**.

xFarm impact 2025

How our services help to optimize inputs and avoid emission

Impact KPI: tCO2 emissions avoided per geography



We have avoided more than **43.000** tCO_2

The calculations are based on data from xFarm users with active module subscriptions, specifically measuring hectares (ha) by crop type.

Impact KPI: tCO2 emissions avoided per crop

Partners story of sustainability

Plasmon®

A traceable and sustainable wheat supply chain

In 2025, our collaboration with Plasmon helped strengthen the **digitalization of its wheat supply chain**, supporting a more connected approach to quality, traceability, and sustainability.

Covering more than **80 farms, mills, and cooperatives** across over **12,000 hectares,** the project enables the use of field-level data to monitor activities, improve efficiency, and support more informed decisions across the supply chain.

The project highlights the role of technology in converting environmental objectives into measurable outcomes

BUNGE

Scaling regenerative agriculture across geographies

Bunge is building a structured regenerative agriculture programme to support farmers with practical tools, measurable pathways, and a stronger foundation for long-term resilience.

By combining farm-level data collection, agronomic expertise, and digital monitoring, the programme helps connect regenerative practices with clearer environmental insight across supply chains.

BUNGE

Building the conditions to scale transition

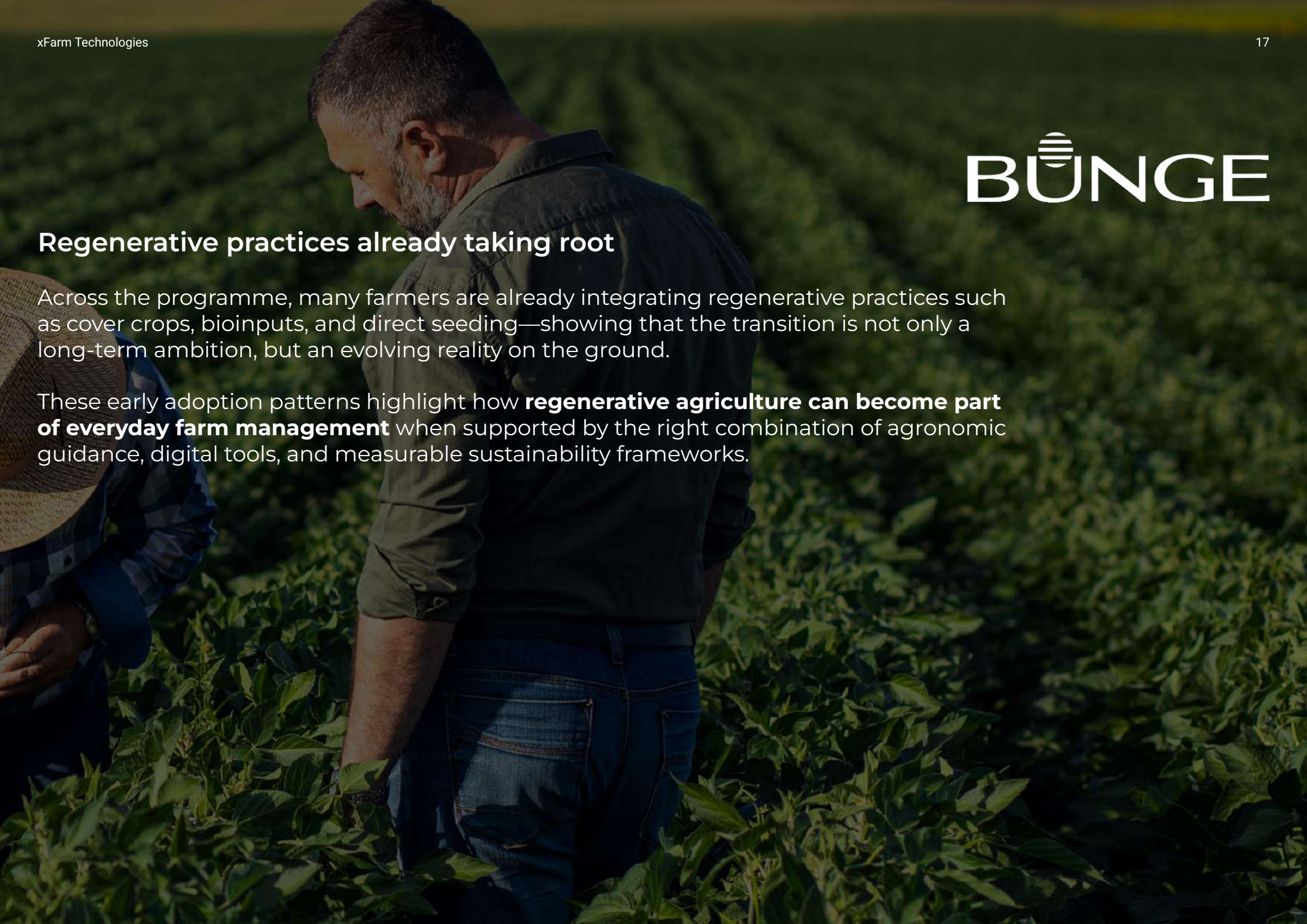
Supporting the transition to regenerative agriculture means building the conditions for change to happen at scale.

In collaboration with Bunge, we supported the scaling of the program that combines farm-level data collection, agronomic expertise and digital sustainability monitoring to help translate agricultural practices into measurable environmental insights.

The initiative is already active across **Brazil** and **Argentina**, where it involves hundreds of farms and multiple crops, and has also expanded into Europe through projects in **Poland** and **Hungary**.

By monitoring indicators such as greenhouse gas emissions, soil carbon dynamics and the adoption of regenerative practices, the programme helps create a **stronger link between on-field decisions and broader supply chain goals.**

It is a concrete example of how digital tools can support more resilient farming systems while building the data foundation needed to scale regenerative agriculture over time.



Regenerative practices already taking root

Across the programme, many farmers are already integrating regenerative practices such as cover crops, bioinputs, and direct seeding—showing that the transition is not only a long-term ambition, but an evolving reality on the ground.

These early adoption patterns highlight how **regenerative agriculture can become part of everyday farm management** when supported by the right combination of agronomic guidance, digital tools, and measurable sustainability frameworks.

Results

BUNGE

Programme scale

A growing regenerative agriculture programme

Multiple crops included:
soy, wheat, rapeseed, corn, cotton and cardamom

2 countries involved in Europe

This scale allows the programme to generate robust insights on the adoption of regenerative practices across different farming systems and geographies.

Practices adopted

Early adoption signals

More than 80% of farmers using cover crops in some supply chain networks

Cover crops are already widely integrated in certain production systems, improving soil protection, nutrient cycling and long-term soil resilience.

Bioinputs adoption

Biological inputs gaining traction

The majority of soybean hectares monitored already use bioinputs

Biological fertilizers and crop protection solutions are becoming an increasingly common component of regenerative crop management strategies.

European pilot programmes

Expanding regenerative agriculture in Europe

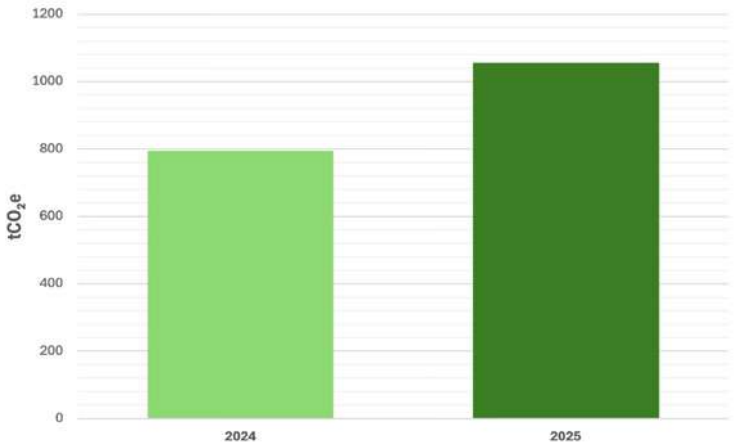
Pilot projects are active in **Poland, Hungary,** establishing greenhouse gas baselines and soil carbon assessments to support future regenerative agriculture programmes.

xFarm carbon footprint: 2024 vs 2025

xFarm carbon footprint: 2024 vs 2025

Growing in scale, improving in carbon efficiency

Total Emissions Comparison

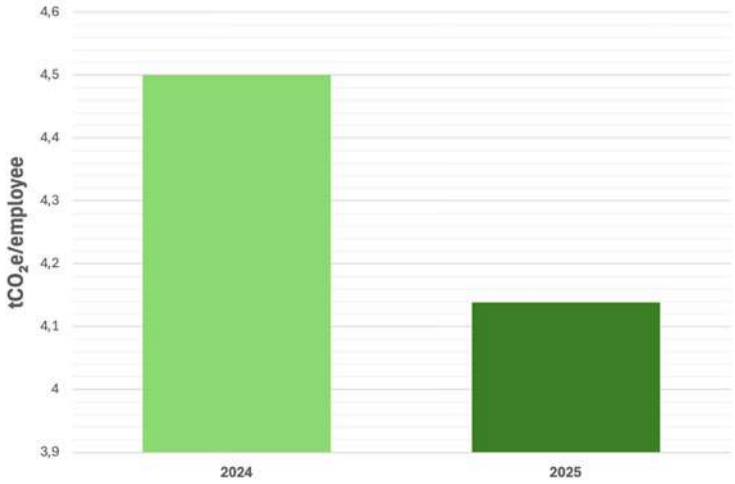


+32,8%

+260,56 tCO_2e

The increase recorded in 2025 reflects organisational growth, including a higher employee headcount, together with broader data coverage and expanded reporting boundaries.

Emissions per Employee



-8,2%

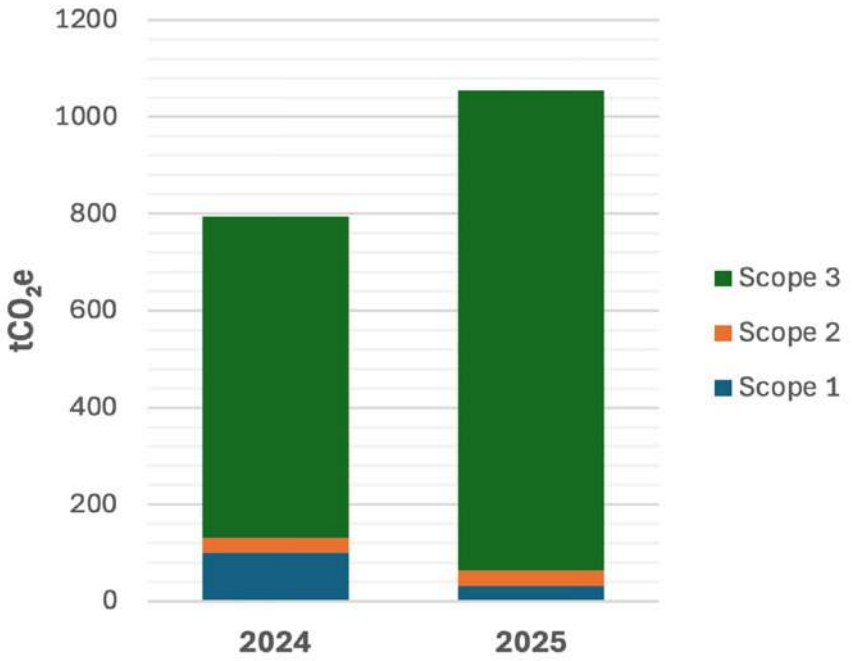
-0,37 tCO_2e/ employee

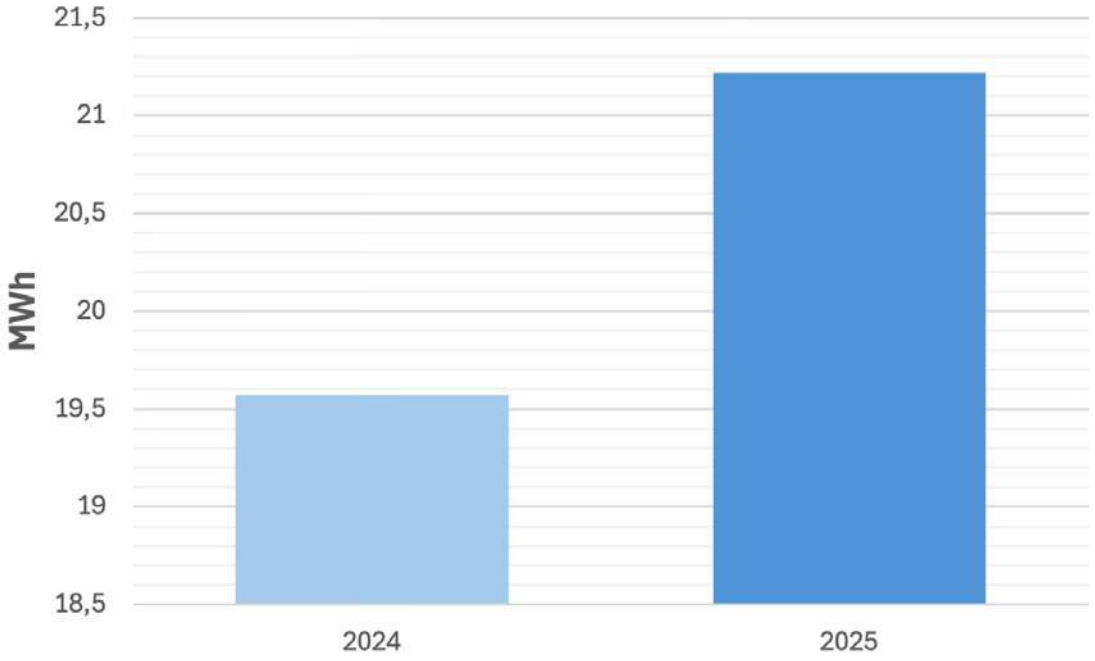
	2024	2025	
N° Employees	176	255	44,9%
Total Emissions (tCO_2e)	794,53	1055,09	32,8%
Emissions/employee (tCO_2e/empoyee)	4,5	4,14	-8,2%

Carbon intensity per employee decreased despite significant organisational growth, reflecting improved carbon efficiency.

Strengthening our renewable energy mix

Emissions Breakdown by scope



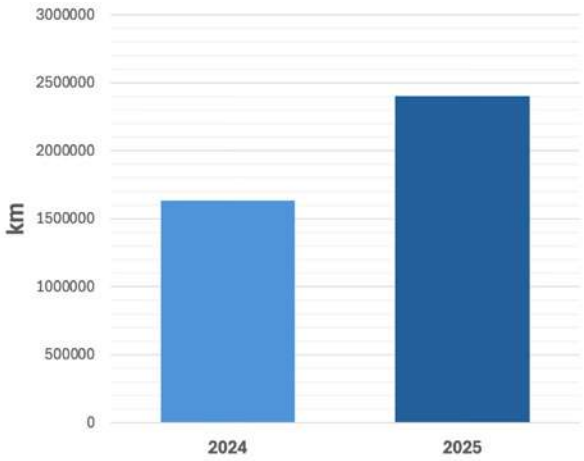


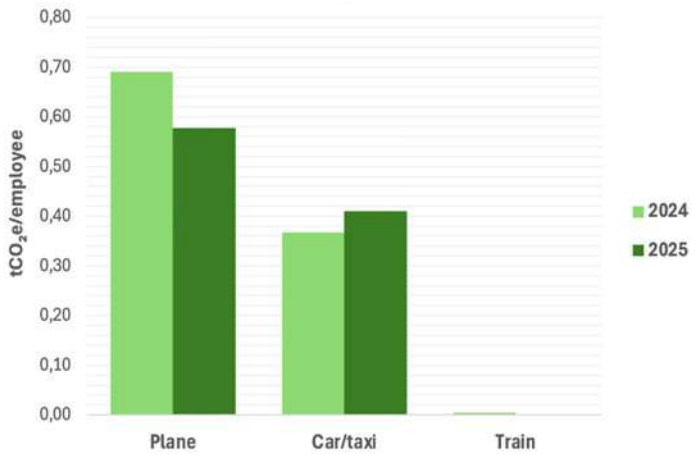
A positive development in 2025 was the increase in renewable energy generated and self-consumed in Milan, rising from 19.57 MWh in 2024 to 21.22 MWh.

This reflects a stronger contribution of on-site renewable energy to our overall energy mix and a further step toward a more efficient and resilient energy profile.

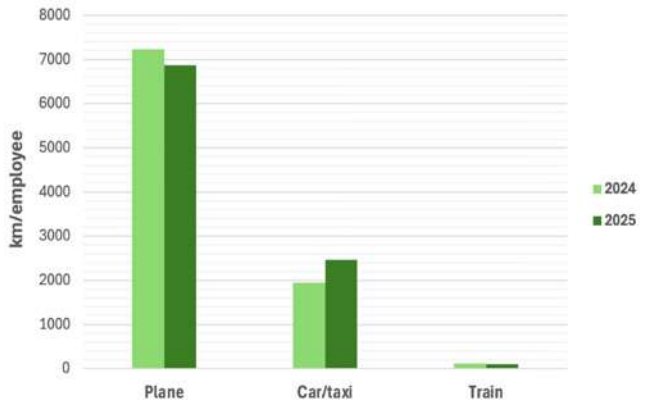
Growing globally, flying less

Business Travel

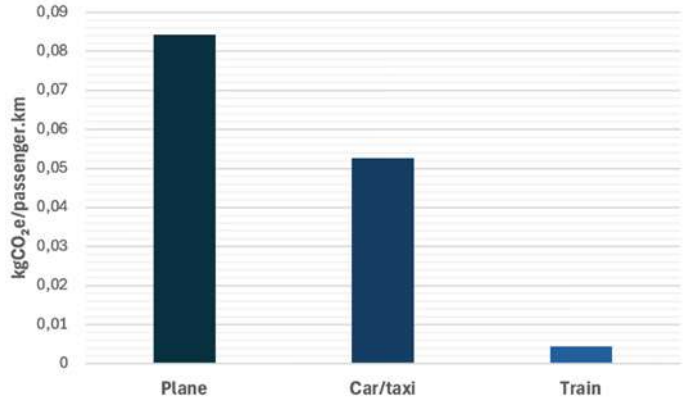




Business Travel Breakdown

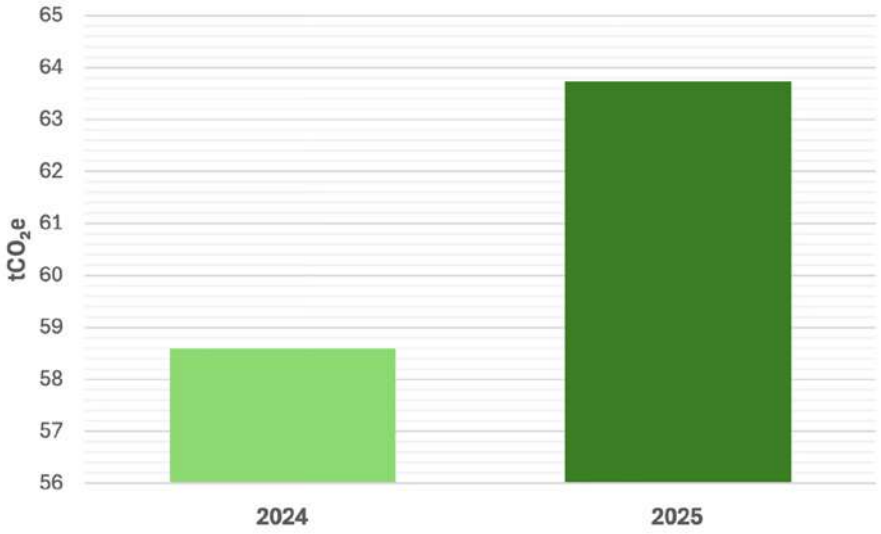


Emission factor

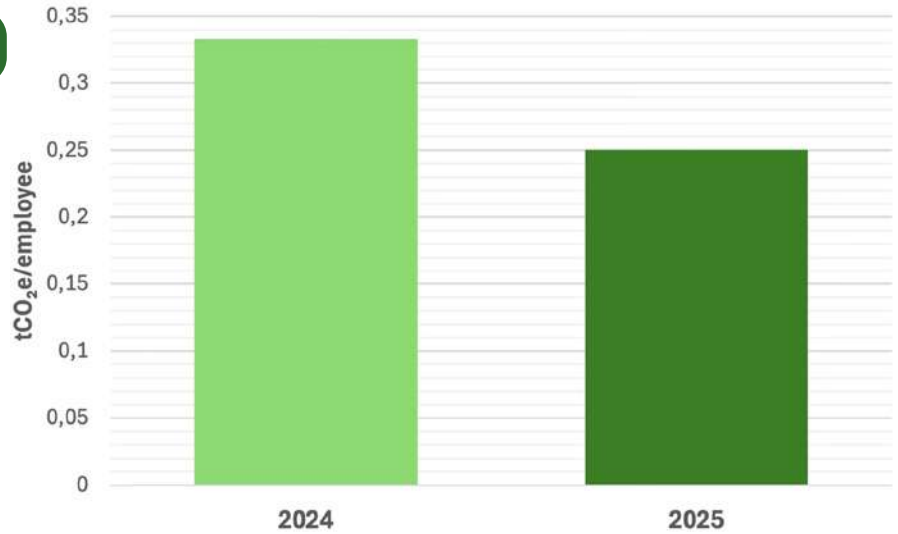


In 2025, air travel per employee decreased compared to the previous year, showing that growth did not translate into greater reliance on flying. This matters because transport modes have very different emissions profiles: flights remain the most carbon-intensive option, while rail continues to be the lower-impact alternative. As a result, travel choices play a significant role in shaping overall emissions, making modal shift an important lever for reducing impact as the organization grows.

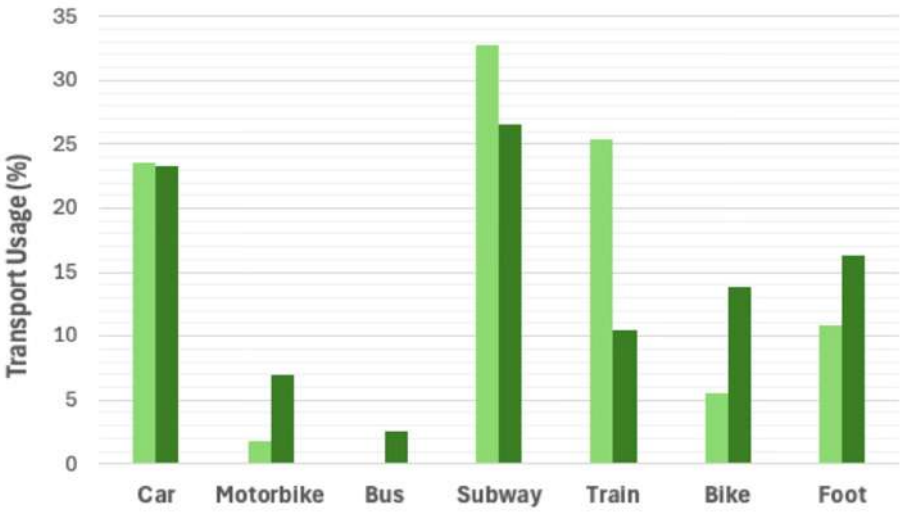
Commuting



+8,7%



-24,2%



The increase in total commuting emissions reflects company growth, while the reduction in emissions per employee and the rise in active mobility point to a more efficient commuting profile overall.

Education as a lever for transition

Regenerative Agriculture Program with EIT Food

In 2025, xFarm collaborated with EIT Food as part of the Regenerative Agriculture programme project, contributing to the delivery of in-person training activities that combined theoretical learning with practical field applications. The initiative aimed to strengthen farmers' awareness and understanding of the principles, value, and opportunities of regenerative agriculture.

Italy – Leporano (Apulia region)
Hosted by Varvaglione Vini

Introduction to regenerative agriculture principles

Focus on soil health, biodiversity and climate resilience

Technical field visit

Spain – Laguardia (Basque Country)
Hosted at Eguren Ugarte Winery

Training focused on regenerative viticulture

Soil management, biodiversity and reduction of chemical inputs

Case study presentation and guided visit to vineyards and winery facilities

Portugal – Coruche (Alentejo Region)
Hosted by ANPROMIS – Associação Nacional dos Produtores de Milho e Sorgo

Soil management, with focus on organic matter and microbial life

Water management and retention strategies in Mediterranean conditions

Involvement of academic experts and producer associations

eit Food

Co-funded by the European Union

From training to field application

Through three in-person training events across Southern Europe, the initiative engaged more than 70 farmers, together with local host farms and territorial stakeholders, in a shared learning journey around regenerative agriculture. The programme combined practical case studies with key topics such as:

- soil health and fertility
- the role of organic matter and microbial life
- efficient water management, biodiversity
- sustainable farming systems
- the reduction of chemical inputs
- practical case studies.

70+
farmers registered across the three countries

3
in-person training events

Engagement of local host farms and territorial stakeholders

xFarm's role on the ground

Working in coordination with the EIT Food team, xFarm contributed to the design and delivery of the training activities, from agenda development and speaker engagement to field visit coordination, participant management, survey collection, and communication materials. The initiative helped strengthen technical knowledge and support the transfer of practical skills needed to advance regenerative practices on the ground.

The programme was co-funded by the European Union through EIT Food

eit Food
Co-funded by the European Union

xFarm Science

going beyond carbon saving water

Google & Bonneville Environmental Foundation
Improving water stewardship through smart irrigation

Water stewardship is becoming an increasingly important dimension of agricultural sustainability, especially in regions where water availability is under growing pressure.

This project explored how **data-driven irrigation management** can help farmers **use water more efficiently** while **maintaining stable crop productivity**. Supported by **Google** and the **Bonneville Environmental Foundation** (BEF), the initiative compared traditional irrigation practices with an optimized approach based on xFarm Technologies' digital tools.

The results showed that farmers using the optimized strategy applied **10.5% less irrigation water**, exceeding the project's initial saving target, while maintaining virtually unchanged yields.

The project also improved water productivity and reduced estimated deep percolation, showing how more precise irrigation can lower water losses and support more resilient, resource-efficient farming systems.

Integrated applied research project to address the main critical issues of hazelnut production.

A project coordinate by Italia Ortofrutta and several Italian Producer Organizations (CPN and EURONOCCIOLA, ECOLAZIO, COPRONT, AGRINOLA, ASPROCOR PIEMONTE and AOA) under the scientific supervision of the University of Perugia

Across the 2024 and 2025 growing seasons, under the superivision of Italia Ortofrutta, **irrigation strategies were compared** across two production sites of Euronocciola and CPN Producer Organizations, to assess how more targeted water management could reduce water use while preserving agronomic performance. The results show **that a more precise irrigation approach can significantly lower water inputs and water losses, while improving water productivity and maintaining yield stability.** It is a concrete example of how data-driven irrigation management can support more sustainable and resilient orchard systems.

Evidence from the field

Up to 53%
reduction in irrigation water use

Up to 41%
reduction in deep percolation losses

Up to 90%
improvement in water use efficiency

Up to 53%
under reduced water input

STABLE YIELD

Irrigation input reduction

EURONOCCIOLA
2024: –37% irrigation input
2025: –53% irrigation input

CPN
2024: –23% irrigation input
2025: –40% irrigation input

Advancing water efficiency with Conesa

During the 2025 growing season, **daily water management recommendations** were provided to Conesa to support more efficient irrigation across **2,470 hectares**. Based on the continuous **analysis of agronomic data** and **weather conditions**, these recommendations enabled irrigation volumes to be adjusted more precisely according to actual crop needs.

This approach helped i**mprove water management efficiency**, reducing unnecessary consumption **without compromising crop development or productivity**.

It is a clear example of how data-driven decision-making can support more sustainable and resource-efficient agriculture.

Field evidence
According to our evidences, 8% reduction in irrigation water use over 80 days of water management recommendations during the 2025 growing season

Sustainability in xFarm, a team perspective

The people behind xFarm’s sustainability journey, where data, expertise, and purpose come together.

”Reliable data is where impact begins. At xFarm, what inspires me most is the possibility of turning sustainability into something concrete: measurable, scientifically robust, and ready to inform better decisions. In a sector as relevant as the agri-food sector, this means moving from intention to action. My work sits between sustainability and product, where I help translate scientific and regulatory frameworks into scalable methodologies, data models, and features. What makes this especially meaningful is knowing that rigorous environmental data can become clear, credible insight—supporting more conscious choices across farms, supply chains, and the wider transition toward a more sustainable system.”

Chiara Micali
Sustainability Specialist & Product Area Owner
xFarm Technologies

”Making sustainability matter means making it visible. What motivates me at xFarm is the opportunity to give structure to something that is often treated as abstract—turning it into data, direction, and shared accountability. I work across internal impact calculations, carbon footprint assessments, ESG data, reporting processes, and sustainability communication, helping ensure that our efforts are not only rigorous, but also understood. To me, the value of this work lies in that connection: between analysis and alignment, between technical depth and clarity. When sustainability is measured, communicated, and embedded in decisions, it stops being an intention and starts becoming part of how a company evolves.”

Concha Chamero
Sustainability Specialist

”My work is driven by a question that has followed me throughout my path in agronomy: how can agricultural production reduce its environmental impact while remaining productive and resilient? At xFarm, I can work on that question in a practical way. I focus on regenerative agriculture projects, supporting food companies from farmer engagement to implementation on the platform, while also contributing to the development of our sustainability features. What I find most meaningful is our ability to stay close to the field while building structured systems for change. Through digital monitoring and predictive models, regenerative practices become more than a principle—they become measurable, actionable, and capable of generating real progress over time.”

Maura Avallone
Team Lead for Regenerative Agriculture Project

”Real impact comes from acting in line with the change we want to see. That is what makes my work at xFarm so meaningful. Agriculture is essential to everyday life, and helping make it more sustainable means working on one of the most concrete challenges of our time. I collaborate with actors across the supply chain—from farmers to traders and food companies—transforming primary data into insights that can reduce emissions, increase removals and soil organic carbon, and optimize resources such as water. A key part of my role is also building bridges: between partners, sustainability actors, internal teams, and market needs. That is where impact gains scale—when expertise, collaboration, and action move in the same direction.”

Tommaso Bertolini Agnoletto
Sustainability Manager

Impact is not a destination, but a continuous process.
One field at a time, we turn data into decisions,
and decisions into measurable progress.

Explore our approach

www.xfarm.ag

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