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Value4Farm

Fresh energy from the field - Newsletter

#3

This third newsletter brings you the latest developments from our EU-funded Value4Farm collaboration. Bringing together 14 partners from across Europe, Value4Farm aims to defossilise agriculture by helping farmers combine sustainable food production with on-site renewable energy generation.



Now two and a half years into the project, we have achieved significant progress towards our objectives. Here's an overview.

Project latest updates

Demo sites progress

Over the last year, the three demo sites in Belgium, Italy and Denmark have made significant progress in collecting data and demonstrating the Value4Farm biogas and agrivoltaics technologies. Farmers and other key stakeholders were invited to open day visits, receiving first-hand information on the current developments within Value4Farm.

[Visit our Italian demo site](#)

[Visit our Danish demo site](#)

[Visit our Belgian demo site](#)

MITIS' micro gas turbine is now running at our Belgian demo site!

Discover how our project partner MITIS, a Belgian innovator, is transforming biogas into clean electricity and heat with its Micro 10 (M10) micro gas turbine. Unlike traditional piston engines, this cutting-edge technology uses a flameless combustion chamber for ultra-low emissions, multi-fuel flexibility, and minimal maintenance. Operating at 100,000 RPM on airfoil bearings, the M10 delivers 10 kW of electricity and 30 kW of heat, perfect for sustainable farms. On its Belgian demonstration site, the project focuses on maximising residual streams for efficient electricity and heat generation.



[Discover how the M10 works on our Belgian demo site!](#)

Launch of the Value4Farm free open online course (OOC)

The open online course developed within the Value4Farm project "[Integrating Food and Energy Production on Farmland](#)" is now available. Designed in collaboration with the University of Reading and hosted on the [FutureLearn](#) platform, this two-week course offers a practical and accessible introduction to how farms can integrate renewable energy solutions, while maintaining productive and sustainable agricultural systems. With a particular focus on **agrivoltaics** and **biogas**, participants gain insight into two key technologies driving the transition toward low carbon and resource efficient farming.

Aimed at a broad audience, including farmers, advisers, policymakers, NGOs and renewable energy professionals, the course combines technical knowledge with real life examples and first-hand perspectives from experts and farmers involved in the Value4Farm project. Learners can study at their own pace, dedicating around three hours per week. They will receive a certificate upon completion. The programme is also accredited by **EIT Food**, underscoring its relevance for those committed to advancing sustainable agrifood and energy systems. Registration is open on FutureLearn, and we invite you to explore the course and discover more about Value4Farm's activities on our website.

[Link to the OOC](#)



[OOC Trailer](#)

Advisory Board site visit to INAGRO's demonstration site



In November 2025, our Belgian partner Inagro hosted a two-day **Advisory Board site visit** to their demo site organised in partnership with another consortium partner WBA. The visit provided an in-depth look at innovative biogas initiatives that support the Value4Farm project's mission. Advisory Board members and project partners also explored other local biogas plants, gaining first-hand insight into how renewable energy production can be effectively integrated at farm level. The visit fostered rich exchanges on renewable-based value chains tailored to farmers' needs, the role of nutrient recovery in promoting circularity, and the importance of supporting sustainable food production across Europe.

This collaborative visit was an important milestone in strengthening the project's strategic direction and ensuring that Value4Farm solutions remain grounded in real world challenges and opportunities. We extend our warm thanks to all partners and Advisory Board members who contributed to the success of this event. More updates will follow as Value4Farm continues advancing innovative energy solutions for European agriculture.

Consortium Meeting #5 and #6

Over the past year, the Value4Farm consortium has kept strong momentum through two key project meetings. In September 2025, partners met in [Piacenza for the 5th Consortium Meeting](#), combining productive discussions on project progress with visits to agrivoltaics demonstration sites and a biomethane farm showcasing how food and energy production can successfully coexist. The consortium reconvened [online in March 2026 for the 6th meeting](#), where partners reviewed recent achievements across the three biogas-based value chains and refined the roadmap, including work on the upcoming open-access Decision Support Tool. These coordinated exchanges continue to drive Value4Farm toward more sustainable and resilient farming systems across Europe.



Latest publications

Over the past months, Value4Farm partners released [4 new scientific publications](#) advancing knowledge on agrivoltaics, biogas-based systems, and renewable energy integration in agriculture. These include a four-year field study on potato cultivation under dual-axis agrivoltaic systems, new insights into the development of renewable energy in Poland's agricultural sector, a techno-economic optimisation framework combining agrivoltaics with anaerobic digestion for biomethane production, and research exploring microclimate, crop physiology, and yield responses under different agrivoltaic configurations. Together, these studies strengthen the scientific foundation of Value4Farm and support the project's mission to promote sustainable, multifunctional farming systems across Europe.

[Discover our scientific publications](#)

Clustering activities

Value4Farm is now a member of three EU-project clusters: [AreaZero](#), Biomethane and Biorefine. We have now taken over management of the Area Zero cluster, which brings together projects working on implementing technologies, techniques or strategies towards lower harmful emission, cleaner energy and improved energy efficiency in the agricultural sector. This activity includes updating the website, producing newsletter and providing general secretariat. We've also applied for a stand for AreaZero at the [European Sustainable Energy Week \(EUSEW\)](#) in Brussels in June. With this and other clusters, Value4Farm is discussing hosting joint events, producing white papers and organising joint webinars.

[Read more!](#)

Stay tuned for upcoming milestones!

Having now entered the last year of the project, key milestones will be reached and achievements delivered within the coming months.

The Value4Farm **Decision Support Tool (DST)** will soon be available, offering farmers practical guidance on integrating food and energy production on their land. Built in three steps, it will combine our new FutureLearn online course, an audit tool to assess on-farm energy generation potential, and a transition tool to support farmers who are ready to adopt integrated systems. Drawing directly on insights from our demonstration and replication sites, all components will be freely accessible and designed to raise awareness and support informed decision-making across Europe's farming community.

Moreover, information and training events for farmers will be held on our demonstration and replication sites (in Italy, Belgium, Denmark, Poland and Iceland).

[Stay tuned](#)

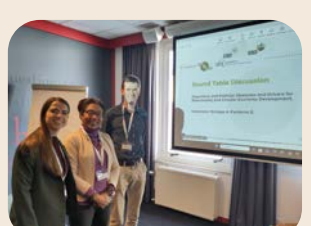
Project-related events

Recent events

11-12 February 2026
BIO360 Expo
Nantes (FR)

4-5 March 2026
MannResource 2026
Wageningen (NL)

22-23 April 2026
OpenLCA Conference -
UFZ, Berlin



Upcoming events

19-22 May 2026
EUBCE 2026 -
UFZ, The Hague

8-9 July 2026
World Biogas Expo -
UREAD, Birmingham

17-19 September 2027
Groundswell Festival 2026 -
UREAD, Hrtchin,
Hertfordshire

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