



Expression of Interest

The Innovation Dialogues

Call for Expressions of Interest: Innovations for More Sustainable Dairy Production

Climate-KIC, in partnership with the Department of Agriculture, Food and the Marine (DAFM), and industry stakeholders, Ornuu and Dairy Research Ireland, invites submissions to identify innovations that can contribute to a more sustainable, climate-resilient Irish dairy sector. This open call is designed to ensure transparency, support future engagement, and inform the next round of Innovation Dialogues and related Climate-KIC programmes.

Building on the first phase of Innovation Dialogues, this EOI forms part of a continued effort to identify practical, scalable and evidence-based solutions that can support emissions reduction and improved sustainability in Irish dairy production.

For this round, we will focus on innovations that can support achievement of Ireland's GHG reduction targets in:

1. Methane Reduction
 - a. This includes technologies used in manure management, additives and feed ingredients for enteric fermentation and genetic selection. We are especially interested in technologies that reduce absolute emissions, but technologies/approaches that improve production efficiencies and deliver improvements on emissions intensity as well as value for money for farmers will also be considered.
2. Nitrous oxide
 - a. This includes approaches to grassland management as well as technology based solutions which may include bio based fertilisers, soil amendments, foliar sprays etc.



The process aims to bring together innovators, farmers, processors, researchers, policymakers and other stakeholders to better understand the opportunities, barriers and pathways to adoption associated with emerging technologies, services and systems.

Context and Background

The Innovation Dialogues were developed in response to farmer and stakeholder engagement that highlighted the need for greater clarity around the practical deployment, cost, measurement of innovations at farm level and potential for integration into national systems in Ireland, such as AgNav, Origin Green and reflection of use in the National Inventory.

The first round of Innovation Dialogues explored methane-focused innovations and related data management considerations. This work has resulted in support to one company to scale out their product on Irish farms, leading to significant adjustments to their business model to make it more competitive and also to further scaling opportunities.

The process is designed to explore a wide range of technologies, services and systems without endorsing specific solutions. The aim is to support informed and inclusive dialogue on the practical pathways, barriers and opportunities associated with innovation adoption in Irish dairy systems.

This EOI is a key step in making that process transparent and inclusive.

About Climate-KIC and the Innovation Dialogues

Climate-KIC is Europe's leading climate innovation agency and community. Launched in 2010 by the European Institute of Innovation & Technology (EIT), it now operates as a not-for-profit foundation, solidifying its continued collaboration to boost climate innovation in Europe and beyond.

In Ireland, Climate-KIC works with the Department of Agriculture, Food and the Marine to support innovation across the land use and agri-food value chain. **The Innovation Dialogues** are part of its broader Deep Demonstration model, assisting the adoption of innovations in dairy farming systems to support more socially, economically and environmentally sustainable outcomes.



The Challenge for Dairy Farmers

Dairy farmers face increasing pressure from legislation, customer expectations and processor sustainability schemes to reduce the environmental footprint of production while maintaining viable farm businesses.

While nitrates and water quality remain immediate priorities, there is also growing pressure to reduce greenhouse gas emissions, particularly methane and nitrous oxide. These emissions are central to Ireland's legally binding climate targets and are increasingly relevant to market access, processor requirements and consumer expectations.

At the same time, farmers need practical, affordable and measurable solutions that can be implemented within Irish grass-based dairy systems without adding unnecessary complexity or administrative burden.

Purpose of this EOI

The Innovation Dialogues bring together farmers, innovators, processors, researchers, and other stakeholders to discuss the practical implications of adopting different innovations aimed at a more sustainable dairy sector. These structured engagements explore not only the feasibility of technologies, but also the operational realities, financial implications, and stakeholder perspectives associated with on-farm adoption.

The goal is to generate actionable insights, identify barriers to adoption, and explore opportunities for integration within sustainability initiatives such as SDAS, AgNav, and wider market and supply chain requirements.

This call aims to:

- Identify technologies, services and systems that can support emissions reduction and improved sustainability in dairy.
- Identify innovations suitable for future Innovation Dialogues.
- Ensure openness and clarity in how innovations are surfaced and considered by Climate-KIC and DAFM.



Innovation Scanning Process

The information gathered through this EOI will support an innovation scanning process designed to identify innovations that are commercially available or expected to become commercially available in the near term.

Particular interest will be given to innovations that are considered "Ready Now" and "Ready Future" and have the potential to support practical implementation within Irish dairy systems.

Findings from this process will inform future Innovation Dialogues and stakeholder engagement activities.

This call is for information-gathering and engagement only. It does not constitute a funding or procurement process. Inclusion in this process does not represent endorsement or recommendation of a particular technology.

Innovation Categories

For this round of innovation scanning and dialogue activities, Climate-KIC is seeking innovations under the following themes:

Methane Reduction Technologies

- Enteric methane solutions
 - Feed additives
 - Feed ingredients
- Manure-management methane reduction technologies
- Other methane mitigation approaches

Nitrous Oxide Reduction Technologies

- Fertiliser innovations, especially biobased fertilisers.
- Nutrient management technologies
- Nitrogen-use efficiency solutions
- Soil and grassland innovations that contribute to nitrous oxide reduction



Innovation Stages

We welcome innovations at the following development stages:

- **Ready Now** – Innovations with EU regulatory approval, commercially available or in use elsewhere.
- **Ready Future** – Near-market solutions requiring further validation, testing or stakeholder input.
- **Concept** – Early-stage ideas requiring proof of concept or commercial framing.

To become part of the innovation Dialogues:

Please indicate where your innovation fits within the matrix below:

	Methane Reduction Technologies	Nitrous Oxide Reduction Technologies	Data Management Platforms and Systems
Ready Now			
Ready Future			
Concept			

How to Submit

Please submit your Expression of Interest by **COB 07/08/26** to Karen Gallagher (karen.gallagher@climate-kic.org), including the following:

- Name and contact details
- Organisation
- Title and brief description of your innovation (max 300 words)
- Any available evidence of regulatory approval, deployment or validation
- Your classification in the innovation matrix above



An Roinn Talmhaíochta,
Bia agus Mara
Department of Agriculture,
Food and the Marine



Next Steps

Submissions will be reviewed by MJB consulting and Climate KIC to inform both the near-term Innovation Dialogues and future innovation mapping. Submissions will be reviewed as part of an innovation scanning process. Selected innovations may be shortlisted for further discussion through Innovation Dialogues and related stakeholder engagement activities.

Thank you for your interest in supporting climate innovation in the Irish dairy sector.