

Sustainable Utilisation of Livestock Slurry Programme (SULS)

Dairy Council for Northern Ireland

5 February 2025

Jonathan McFerran

Deputy Director, DAERA



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Content:

- DAERA context and Green Growth Strategy
- Nutrient management and environmental impact of AD
- Potential solution to multi-factor issues
 - SULS - Sustainable Utilisation of Livestock Slurry Programme




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DAERA Business Plan

2024-25

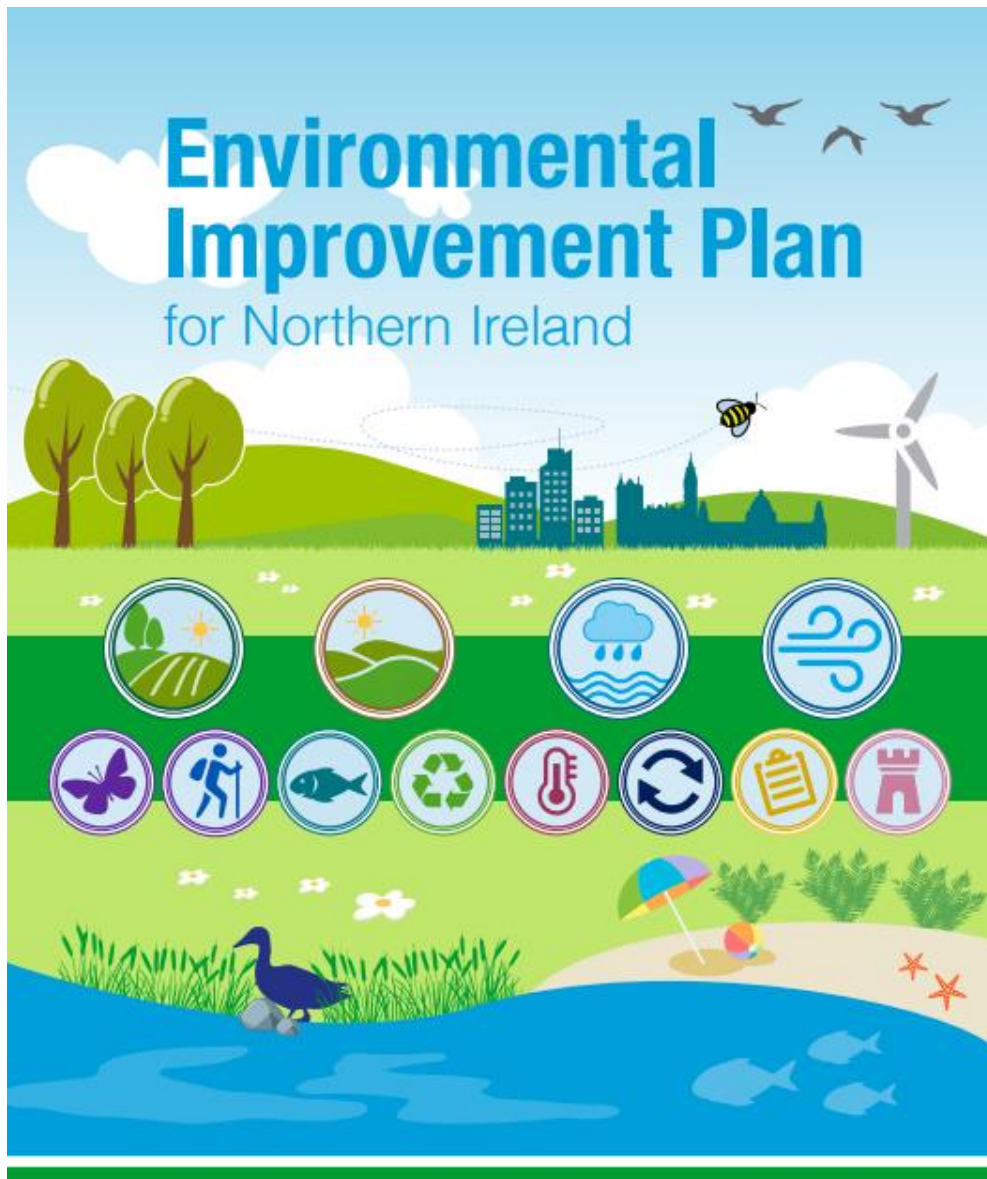
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Department of
Agriculture, Environment
and Rural Affairs
www.daeira-nl.gov.uk

An Roinn
Talmhaíochta, Comhshaoil
agus Gnóthaí Tuaithe

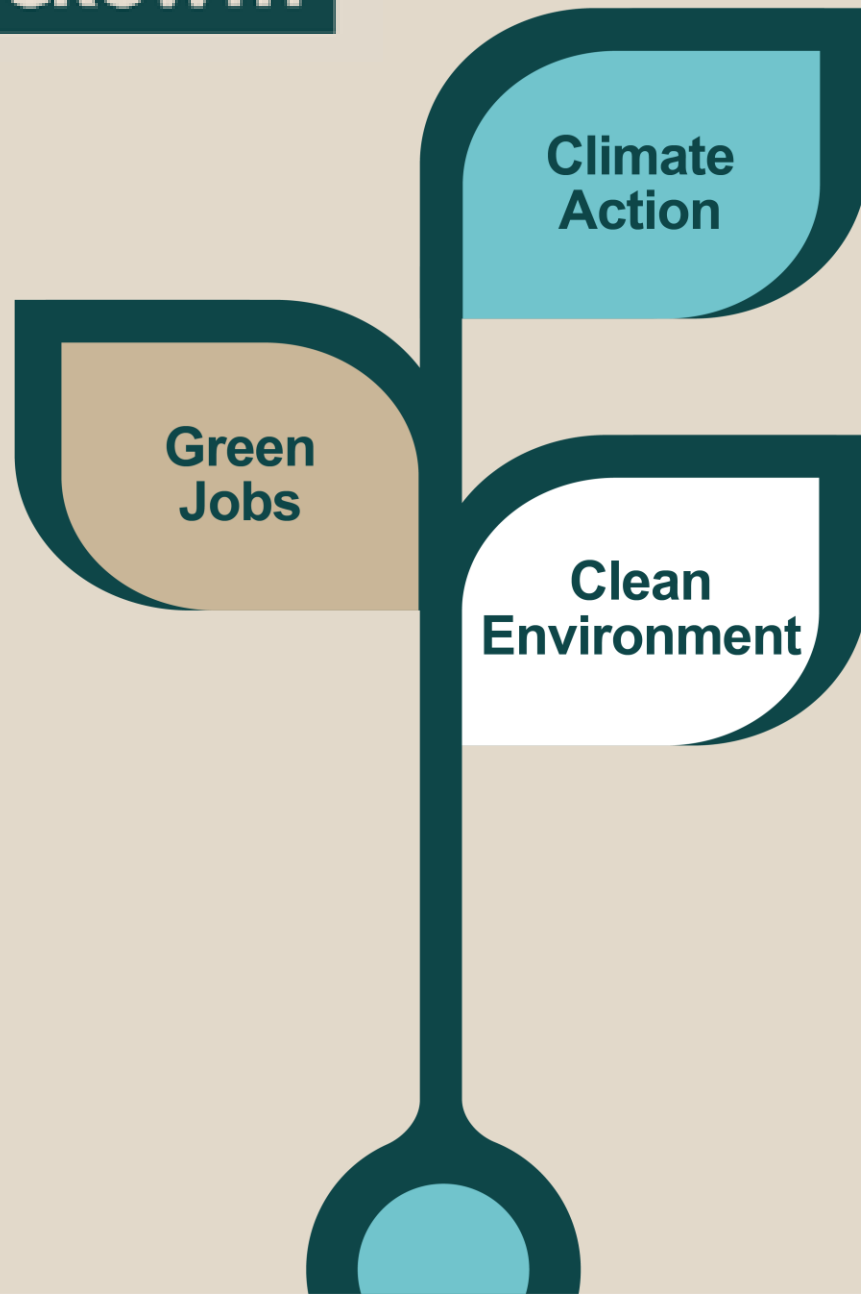
Department of
Fairmin, Environment
an' Kintra Matthers

Sustainability at the heart of a
living, working, active landscape
valued by everyone.



Strategic Environmental Outcomes

- Excellent air, water & land quality;
- Healthy & accessible environment & landscapes everyone can connect with & enjoy;
- Thriving, resilient & connected nature and wildlife
- Sustainable production & consumption on land and at sea
- Zero waste & highly developed circular economy;
- Net zero greenhouse gas emissions & improved climate resilience and adaptability



**Climate
Action**

Climate Action

Reduce greenhouse gas emissions through adaptation and mitigation measures.

Green Jobs

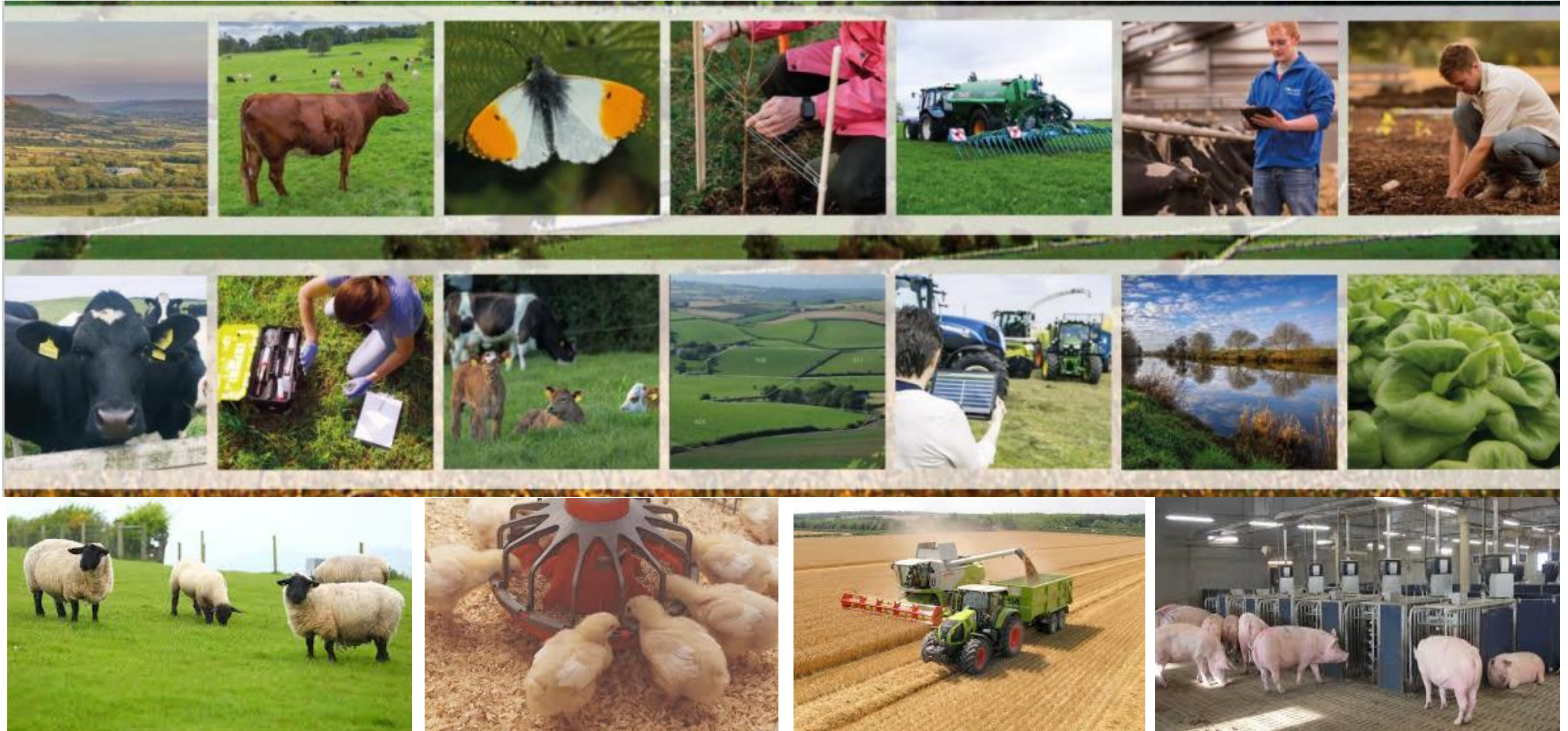
Develop a low carbon, inclusive, skilled workforce and a strong circular economy.

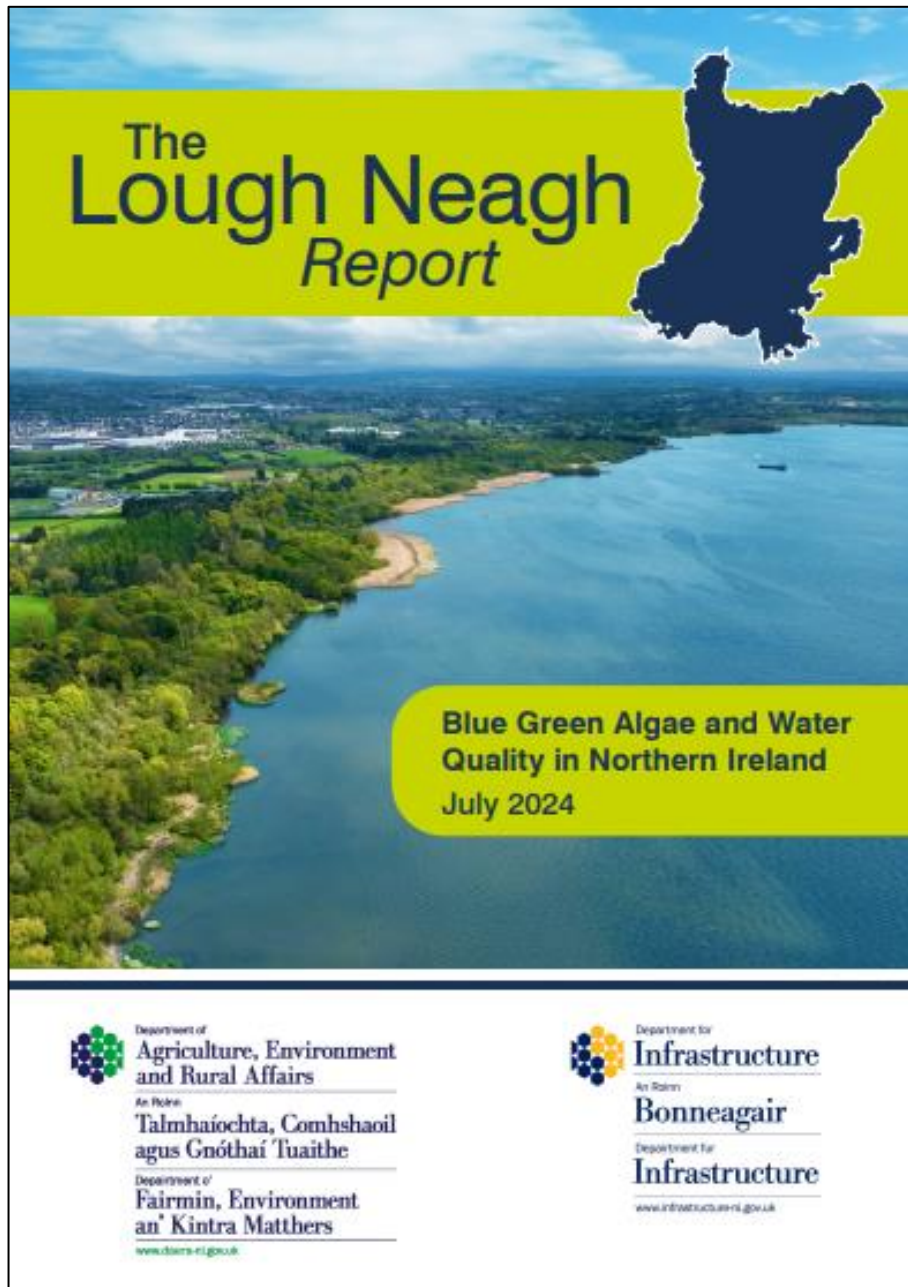
**Clean
Environment**

Clean Environment

Quality built environment, clean air and water, more sustainable land use, improved habitat and greater biodiversity.

Agriculture in Northern Ireland



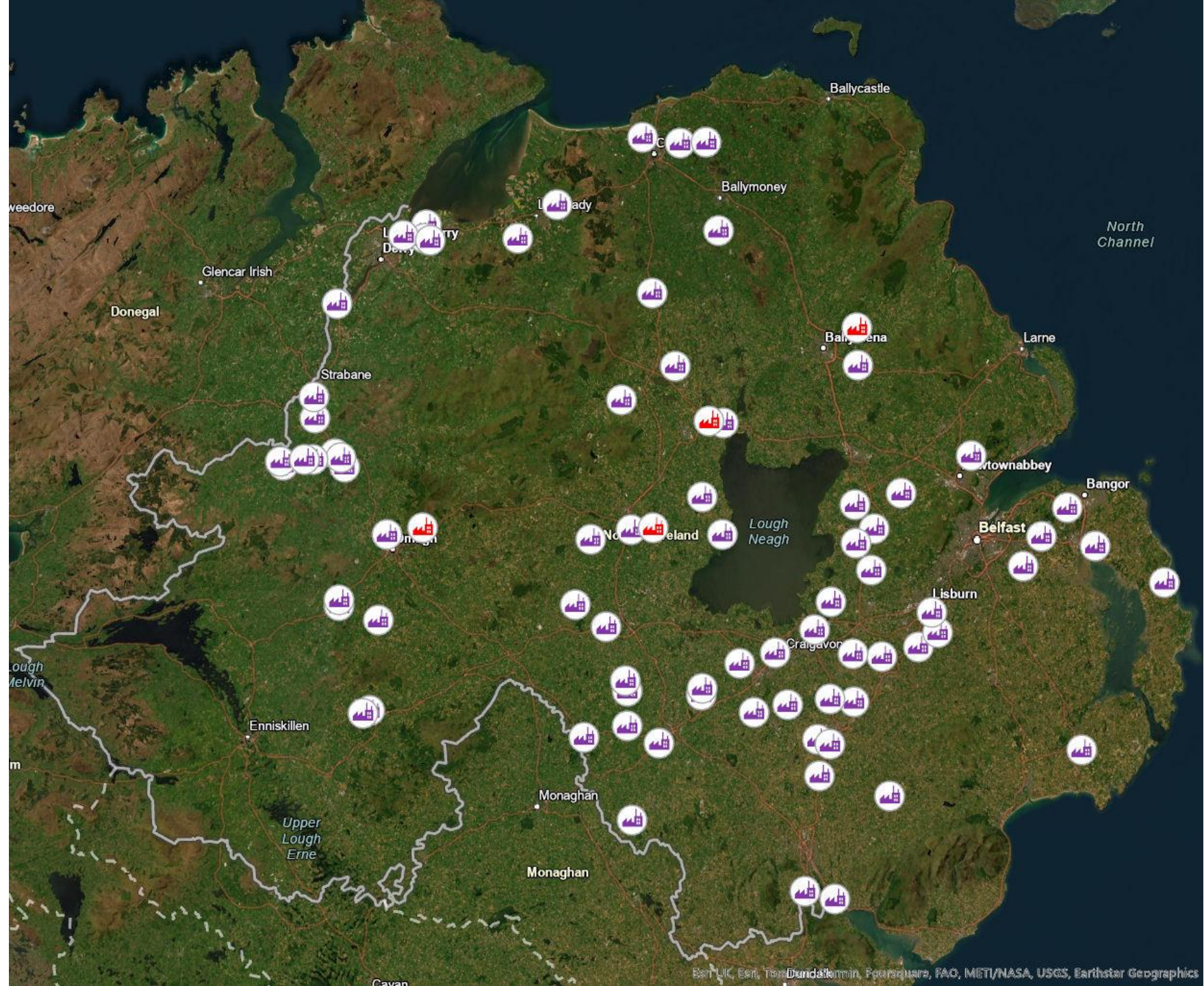


Lough Neagh Report and Action Plan

- Education/Investment/Regulation/Enforcement
- 2 key actions
 - Launch of SBRI - Sustainable Utilisation of Livestock Slurry - Phase 2 Programme
 - Engage and fully consult with stakeholders regarding a new regulatory framework for the processing of slurry to reduce land spreading of excess phosphorus, resulting in renewable energy production and recycling/reuse of organic nutrients.



AD plants in NI



Renewable companies in NI awarded £600,000



Charlotte Morrey

May 26, 2023 3:20 pm



Dr. Gary Lyons, AFBI with separated slurry at AFBI Hillsborough

SBRI SULS Phase 1

Sustainable Utilisation of Livestock Slurry

- £100,000 each to 6 NI companies.
- Companies had to produce proof of concepts to deal with excess nutrients (particularly phosphorus) from livestock slurry in NI.
- All proposals involved the use of separated slurry as a feedstock for Anaerobic Digestion to produce renewable electricity/biomethane

SBRI SULS Phase 2

Sustainable Utilisation of Livestock Slurry

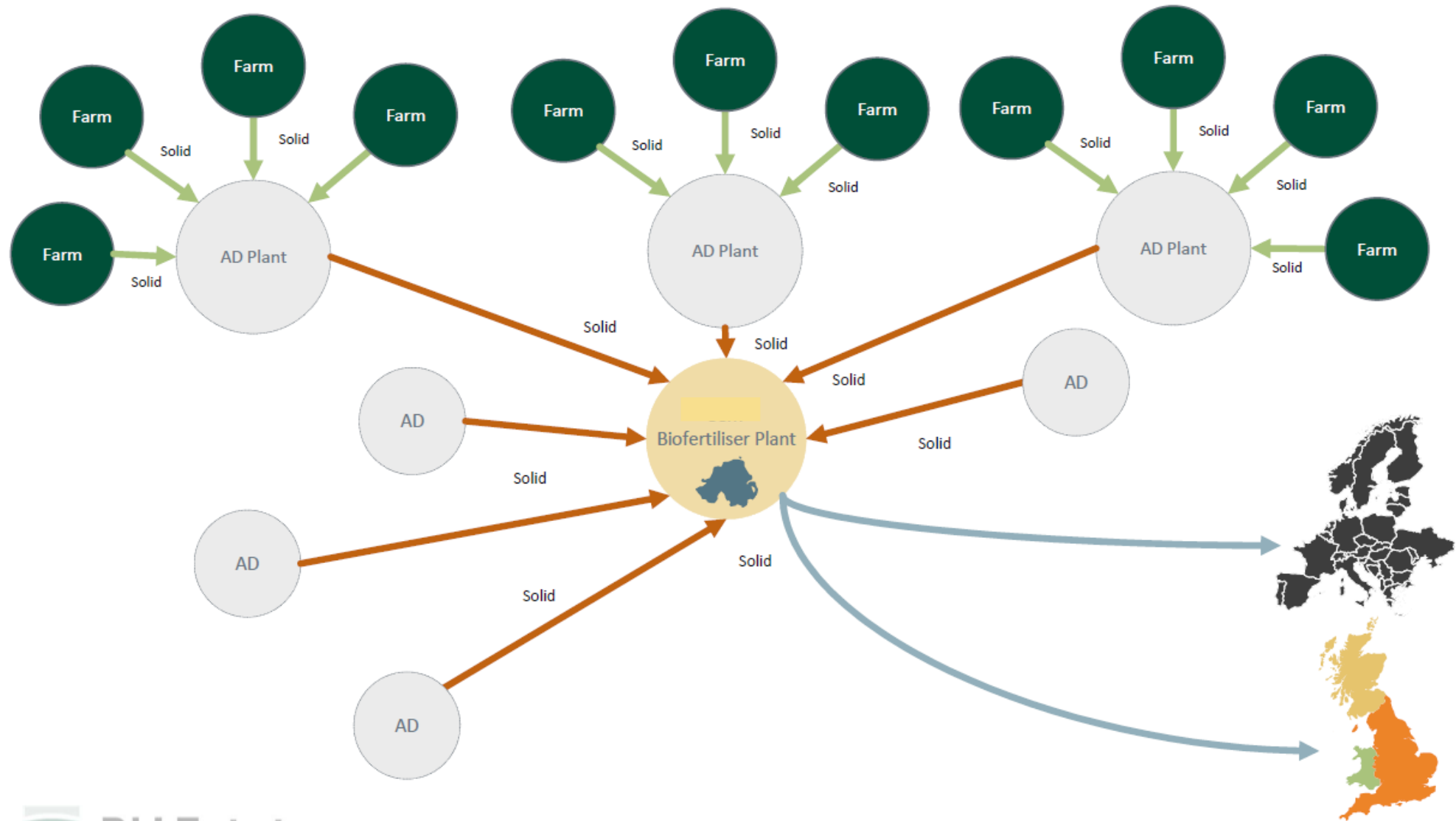
- Key details:
 - £12m – 3-year programme
 - Demonstration sites
 - Reduce surplus phosphorus within NI agriculture – 1000t/year
 - Ensure efficient recycling of organic nutrients
 - Production of exportable products



First SULS Phase 2 Supplier appointed:

Blakiston Houston Estate Ltd “Farm2Export” Project





Second SULS Phase 2 Supplier appointed October 2024:

Centre for Competitiveness “sLurry Utilisation for the Creation and Exploitation Recoverable Nutrients and Energy” (LUCERNE)



Department of Agriculture, Environment and Rural Affairs
An tAon Chomhaoiníocht, Comhshaoil agus Gaothai Tuaithe
Department of Fairness, Environment and Kintra Matters

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DAERA awards £4m to Mid Ulster based successful Sustainable Utilisation of Livestock Slurry SBRI Phase 2 company

Date published: 28 October 2024

The Centre for Competitiveness (C for C) has been awarded £4million to help Northern Ireland's agriculture sector reduce excess phosphorus from livestock slurry, as part of the further roll out of Lough Neagh Action Plan.

The award has been made as part of the Department of Agriculture, Environment and Rural Affairs' (DAERA) Small Business Research Initiative (SBRI) Phase 2 project under the Sustainable Utilisation of Livestock Slurry (SULS) programme. The consortium of

Latest news

- DAERA awards £4m to Mid Ulster based successful Sustainable Utilisation of Livestock Slurry SBRI Phase 2 company
28 October 2024
- Northern Ireland local authority collected municipal waste management statistics released
24 October 2024
- Everyone has a part to play in protecting rural landscapes - Muir
24 October 2024
- Equine Awards Day at Enniskillen

A small version of the group photo showing the project team standing in front of the truck and container.

What's the outcome?

- Improved water quality
- Increased renewable energy production
- Improved nutrient management
- A sustainable agriculture sector.



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