West Wales LENs

Supporting farmers to deliver River Restoration at Speed and Scale



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LENs® LANDSCAPE ENTERPRISE NETWORKS

What is LENs?

Collaboration for the landscape

Funding

Organisations

Shared objective to drive **landscape resilience**

Farmers

Reporting on environmental outcomes

Climate Mitigation

Soil Health

Biodiversity

Water Quality & Conservation



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West Wales LENs

LENs translates shared challenges and opportunities into a framework for doing business

- **Delivers measurable landscape outcomes that increase productivity and resilience**
- **Supports Farmers** by de-risking the transition to low-emission, resilient farming through dependable support. Measures are supplemental to any public schemes, allowing for more rapid and ambitious adoption within the supply chain.
- **Enables co-investment with peer companies, with associated cost savings. Multiple Actors** need a resilient supply landscape, **collaboration** via the LENs framework for multi-party transactions, reduces cost and maximises outcomes
- **Sector-leading MRV** (Monitoring, Reporting Verification) of impacts
- Tried and tested approach

Pembrokeshire Creamery

Dŵr Cymru Welsh Water

puffin Produce Ltd

Delivered Outcomes



Leading Technology and MRV Providers

Agricarbon

FARM TECHNOLOGIES

ADAS

Cool Farm®

Aligned with Industry Standards

GREENHOUSE GAS PROTOCOL

SCIENCE BASED TARGETS

DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

SAI PLATFORM

LENs® LANDSCAPE ENTERPRISE NETWORKS

Impact in 2023 & 2024

Increase in key species groups

+155%

in wetland / aquatic fauna

Average pesticide usage dropped by

-60%

on leading LENs farms

Average reduction of

14kg

in nitrogen use per hectare

Total reductions emissions & removals

49,000+

t CO_2e

Average soil organic carbon increase

1.83t

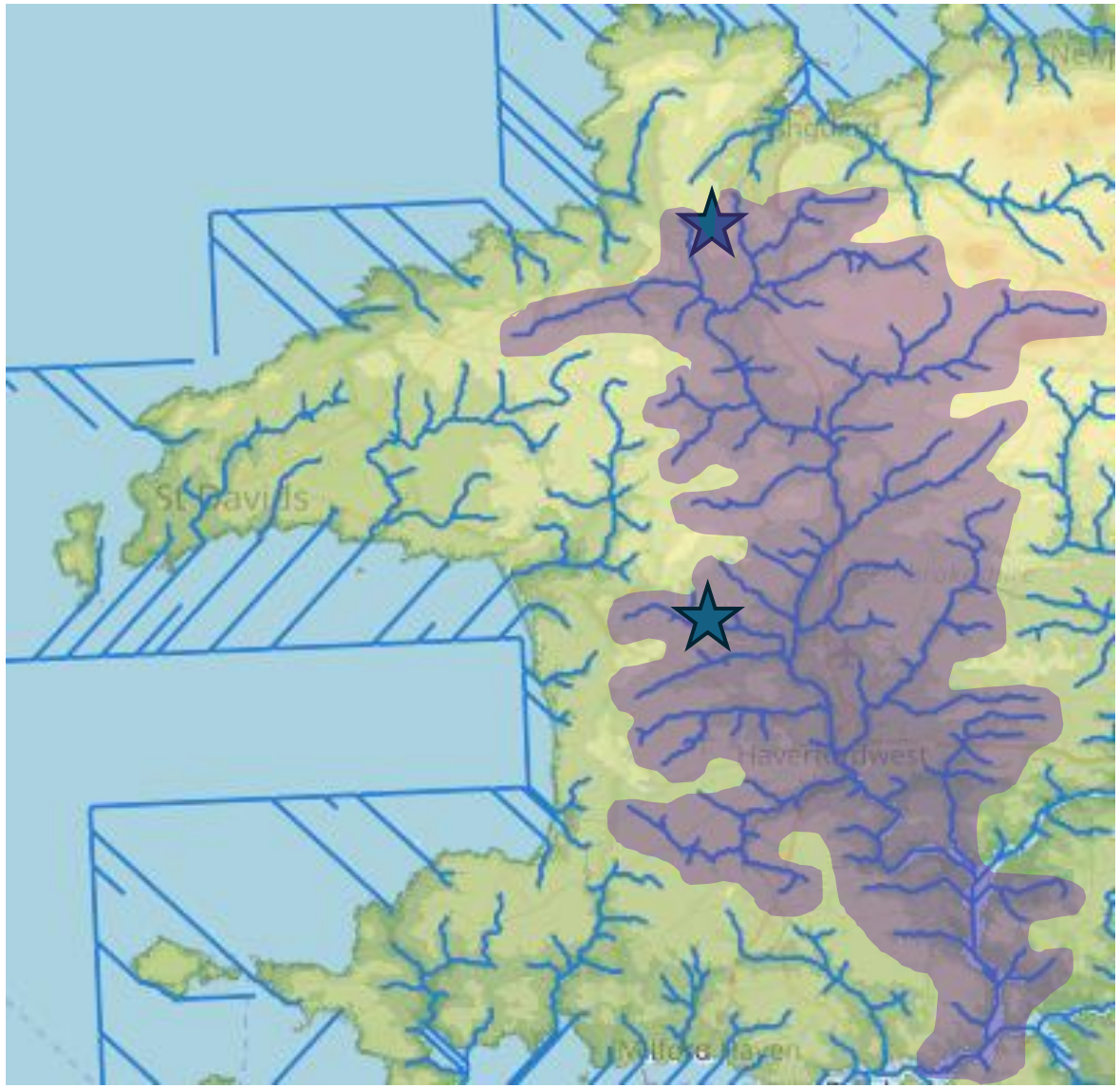
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LENs in Wales

- The Wales LENs has launched in the Western Cleddau catchment targeting potato and dairy systems, demonstrating how nature-based solutions can deliver for the challenges of supply chains.

- Engagement with Welsh Government, Welsh Water, Natural Resources Wales alongside likeminded industries and NGOs has created a platform to invest in farming and implement climate resilience strategies.

- The Pilot has demonstrated new practices on farm that support resilient and productive agricultural systems, whilst transitioning to practices reduce emissions and nutrient loss.



Pilot Farm

Cleddau Rivers Special Area of Conservation (SAC)

Pilot Farm Example

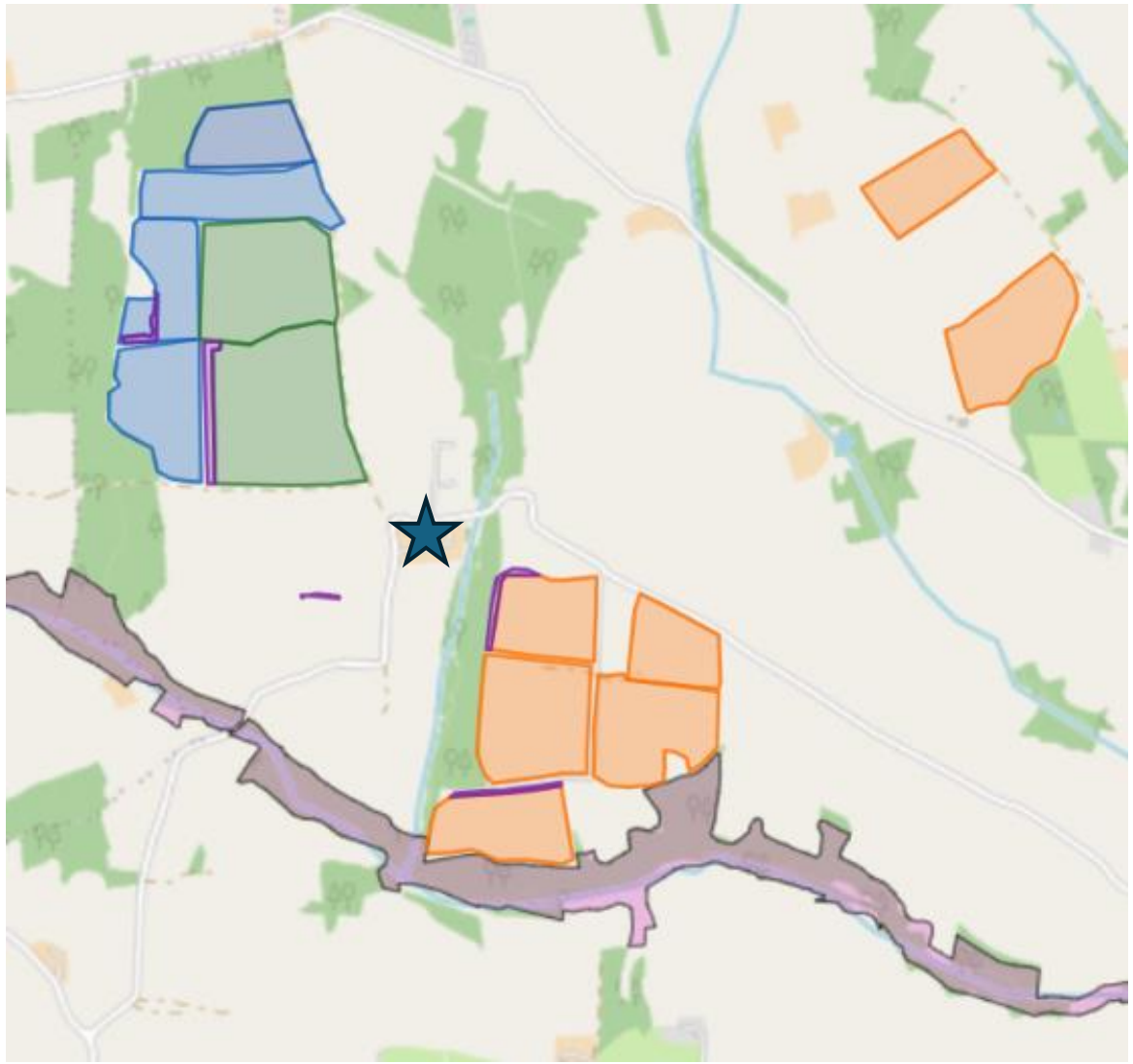
Dudwell Farm

- **Over 150 acres of measures implemented** across arable and potato cropping to reduce emissions, increase habitat provision and aid the optimisation of on-farm nutrient management

- Rapidly decarbonising product emissions per tonne and enhancing environmental benefit of potato production

Key	Measure
	Companion Cropping
	Granular to Foliar Fertiliser
	Catch Crop
	Wild Brid Seed
	Cleddau Rivers Special Area of Conservation (SAC)

★ Pilot Farm





Measures and Outcomes

Measure	Impact Areas: Healthy Productive Soils	Impact Areas: Thriving Biodiversity	Impact Areas: Water Quality and Conservation	Impact Areas: Reduced Emissions Farming	Outcomes
Intercropping	■		■	■	Keep soils covered; Increase crop and plant diversity
Herbal Leys	■	■	■	■	Keep soils covered; Increase crop and plant diversity
Introducing Legumes into Grassland	■		■	■	Increase crop and plant diversity; Reduce use of synthetic inputs; Nutrient principles
Winter Bird food on Improved Grassland	■	■	■		Keep soils covered; Enhance on-farm habitat provision
Farmer Innovation: Managing Rough Grazing for Birds		■	■	■	Integrate Livestock; Enhance on-farm habitat provision
Plant Wild Bird seed or Wildlife Cover Mixes	■	■	■		Keep soils covered; Enhance on-farm habitat provision
Catch Crop	■	■	■	■	Keep soils covered; Increase crop and plant diversity; Nutrient principles; Reduce use of synthetic inputs
Companion Crops	■		■	■	Keep soils covered; Increase crop and plant diversity
Granular to Foliar Fertiliser			■		Reduce use of synthetic inputs; Nutrient principles

LENs® LANDSCAPE ENTERPRISE NETWORKS

No one can solve these problems alone

30%
Growing legumes

30%
Reduced tillage

40%
Cover crops



puffin PRODUCE LTD™

A single funder means fewer interventions

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Others

Pembrokeshire Creamery

puffin PRODUCE LTD™

Funding collaboratively leads to a greater number interventions

More impact for less cost

