Root to Retail

Unlocking Business Potential through Nature-Positive Supply Chains

20th May 2025, 11:00 – 12:00

Today’s speakers

Emma Piercy

Head of Climate Change & Energy Policy, FDF

Dr Emma Keller

Head of Sustainability, Nestlé UK & I

Maria Dolan

Sector Manager, Consumer Industries, NatWest

Vassilis Gkoumas

Economist, WWF-UK

Agenda

Introduction from **FDF** and **NatWest**

11:00 – 11:05

WWF

'Nature positive' and the risks & challenges which businesses face

11:05 – 11:20

Nestlé

Experience with regenerative agriculture

11:20 – 11:35

Audience **Q&A**

11:35 – 11:58

Closing remarks

11:58 – 12:00

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PILLAR 1:

Net Zero

Ambition:
Contribute to a 50% reduction in emissions across the agrifood supply chain by 2030

PILLAR 2:

Nature Restoration

Ambition:
Build a 'Nature Positive' industry to halt and reverse nature loss by 2030

PILLAR 3:

Sustainable Commodities

Ambition:
Contribute to halting commodity-driven deforestation and conversion by 2030

PILLAR 4:

Food Waste

Ambition:
Halve per capita food waste by 2030, contributing to UN SDG 12.3 and the Courtauld 2030 commitment

PILLAR 5:

Packaging

Ambition:
Contribute to implementing a world-class packaging recycling system in the UK, reducing the environmental impact of packaging

Nature Restoration

	Entry	Established	Innovative
Targets	Sustainable sourcing policies/codes of conduct. Supply chain engagement and due diligence, including asking questions about the sustainability of supply and where it is coming from. Engagement with key suppliers*	50% of fresh food being sourced from areas with sustainable water management by 2030. Sourcing from certified supply chains. Engagement with suppliers on regenerative farming practices.	Nature restoration partnership in key sourcing geography (e.g. through NGO partnerships) Piloting new nature frameworks (e.g. TNFD, SBTN) Regenerative agriculture targets (i.e. % of ingredients sourced from regen farms or ha of land farmed regeneratively)
Guidance frameworks	Principles set out by the AFI: Accountability Framework initiative	ALLIANCE FOR WATER STEWARDSHIP Regen10 LEAF LINKING ENVIRONMENT AND FARMING Integrated Farm Management A roadmap towards water security for food & drink supply 2030 food and drink SAI PLATFORM	SCIENCE BASED TARGETS NETWORK GLOBAL COMMONS ALLIANCE TNFD CDP DISCLOSURE INSIGHT ACTION WWF

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Activities over 2025

- Webinar series
- 18th June risk workshop for members
- June ESC at the Allerton Project
- Nature Handbook (Q3/Q4 launch)
- Member site visits (Q3 onwards)
- Cambridge University research

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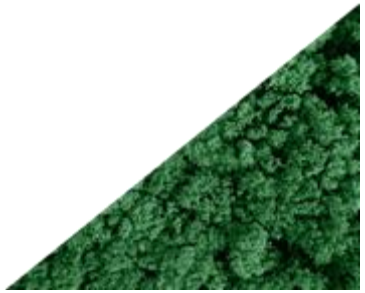


Maria Dolan

Sector Manager, Consumer Industries, NatWest

NATURE-POSITIVE PATHWAYS TO GUIDE POLICY AND PRIVATE SECTOR ACTION

Root to Retail: Unlocking Business Potential Through Nature-Positive Supply Chains
20/05/2025

WWF

IMPACTS

In 2021, **Southern Water** was given a record £90m fine for unpermitted sewage discharges in Kent, Hampshire and Sussex.

Heineken UK, **Bakkavor**, and **Akzo Nobel** have all received fines and reputational damage due to pollution incidents in England

Poultry processor, **Avara Foods**, is being sued over alleged pollution of the River Wye in Herefordshire

DEPENDENCIES

Holmyard Mussel Farm, Europe's largest offshore mussel farm, in Lyme Bay, faced E. coli contamination issues affecting exports

In 2024, **Classic Mineral Water**, a bottled water company entered administration due to water source contamination

In 2024, around **5% of fruit and vegetable crops** across the UK was lost due to extreme flood events

Diageo experienced disruptions to its Scotch whisky operations in 2010 due to droughts in Scotland

ENVIRONMENTAL IMPROVEMENT PLAN

Revised EIP will be published in June 2025.
Here are some key targets of the previous version:

Halt Biodiversity Loss: Aim to halt the decline in species abundance by 2030 and achieve an increase by 2042.

Water Quality Improvement: Improve at least 75% of waters to be close to their natural state as soon as practicable.

Soil Health: Bring at least 40% of England's agricultural soil into sustainable management by 2028.

Production and consumption activities that contribute to nature-positive outcomes

Examples, not exhaustive

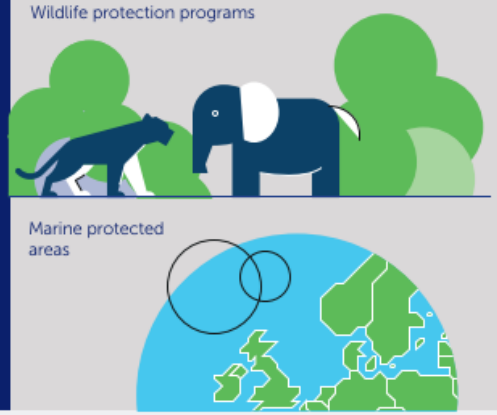
In value chain

Re-engineering of businesses' operations and value chain

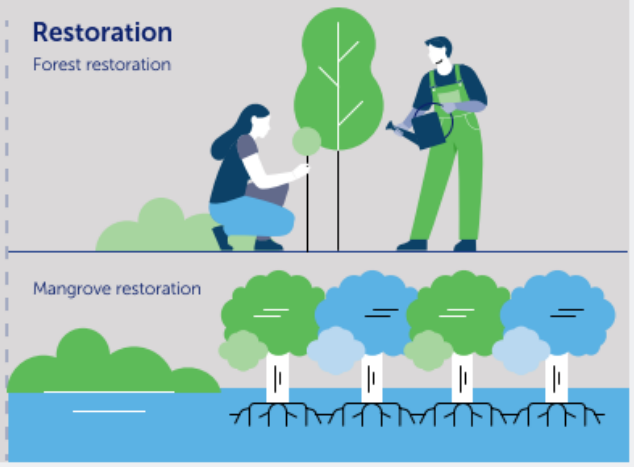
New products and business model

Beyond value chain

Conservation



Restoration



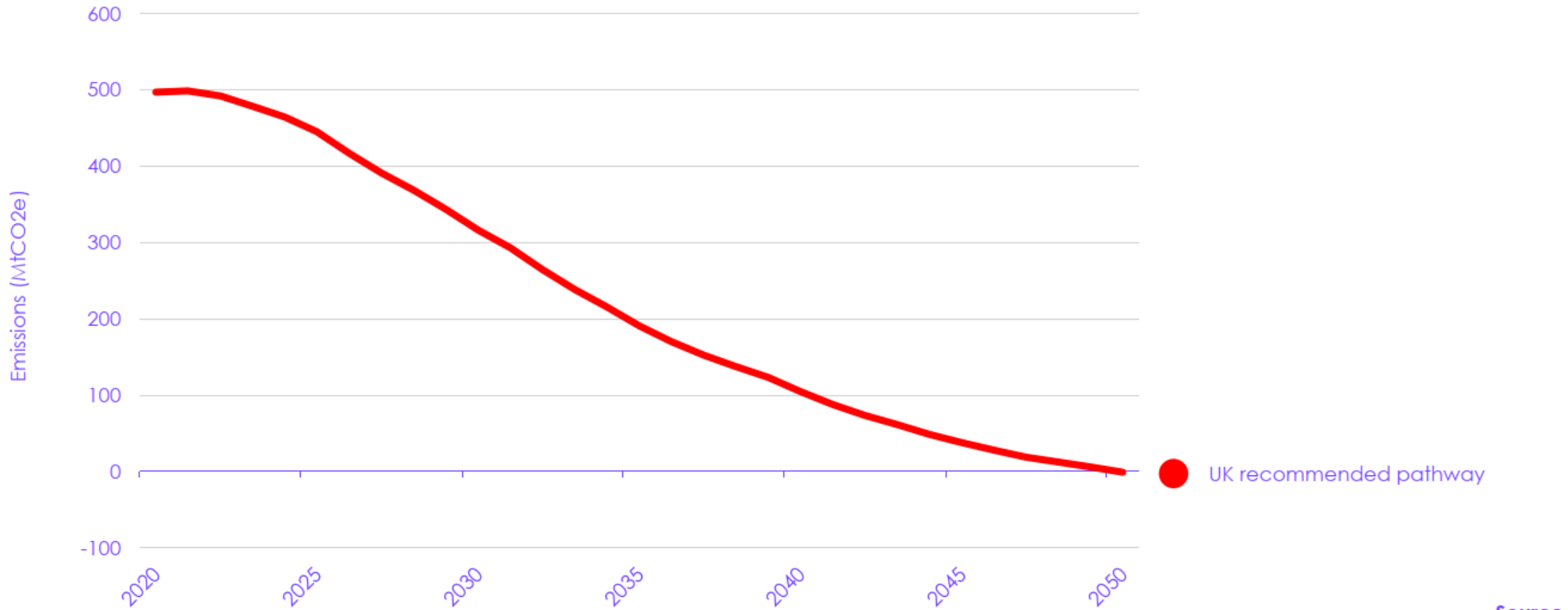
Transforming the underlying systems

- Development of common goods incl. nature technology, data and analytics
- System-level collaboration and transformation, such as through landscape and jurisdictional initiatives
- Advocacy, capacity building and awareness raising

Avoid → **Reduce** → **Restore and regenerate** → **Transform**

UK path to Net Zero

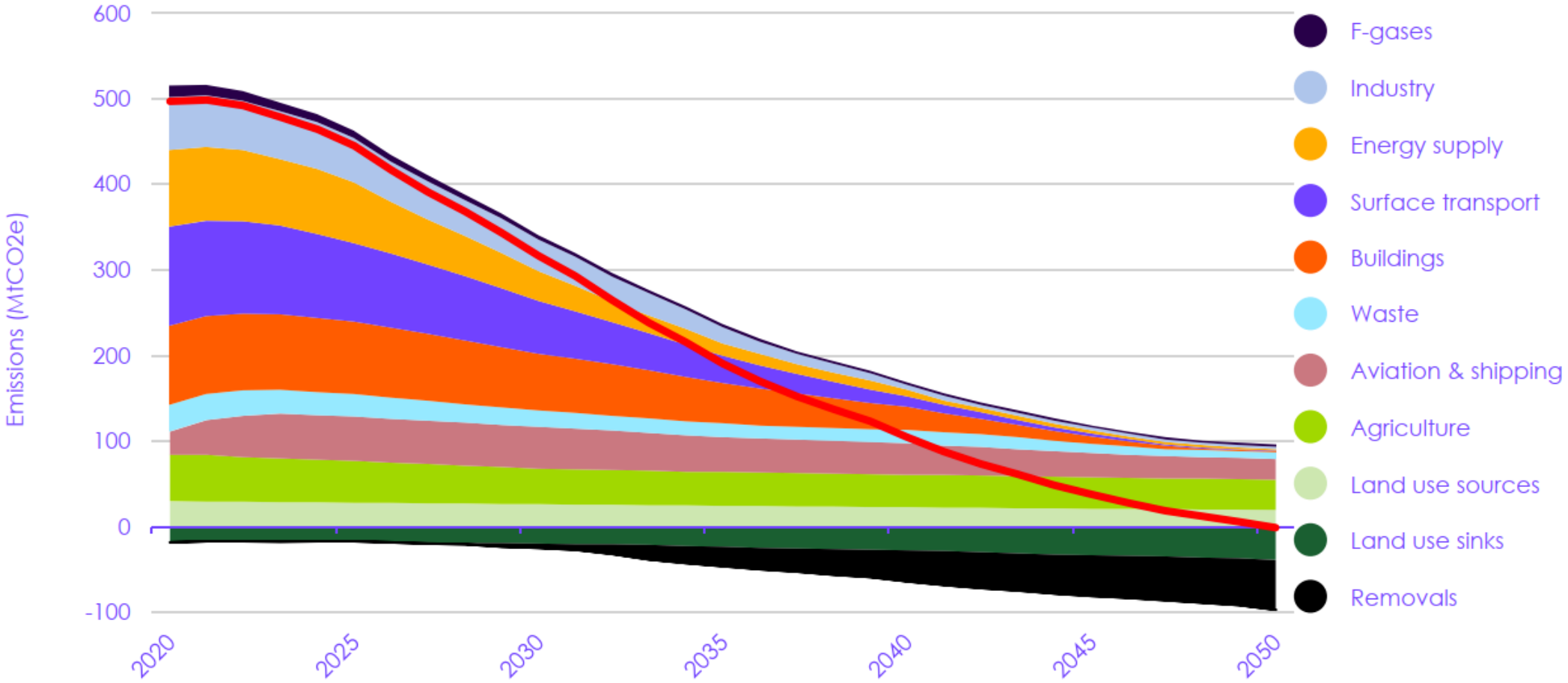
The recommended path



Source
CCC analysis

Source: UK Climate Change Committee

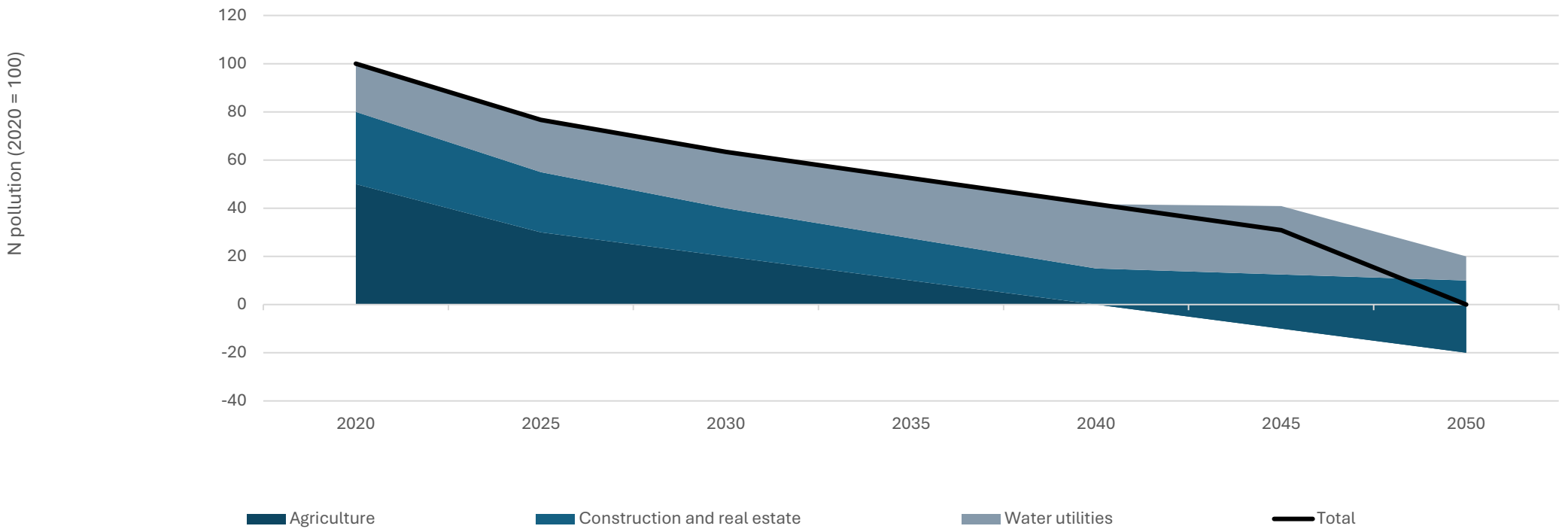
UK Net Zero Sectoral Pathways



Source: UK Climate Change Committee

NPPs lay out each sector's role to meeting the UK's nature targets

Sectoral contributions to reducing UK Nitrogen pollution, illustrative



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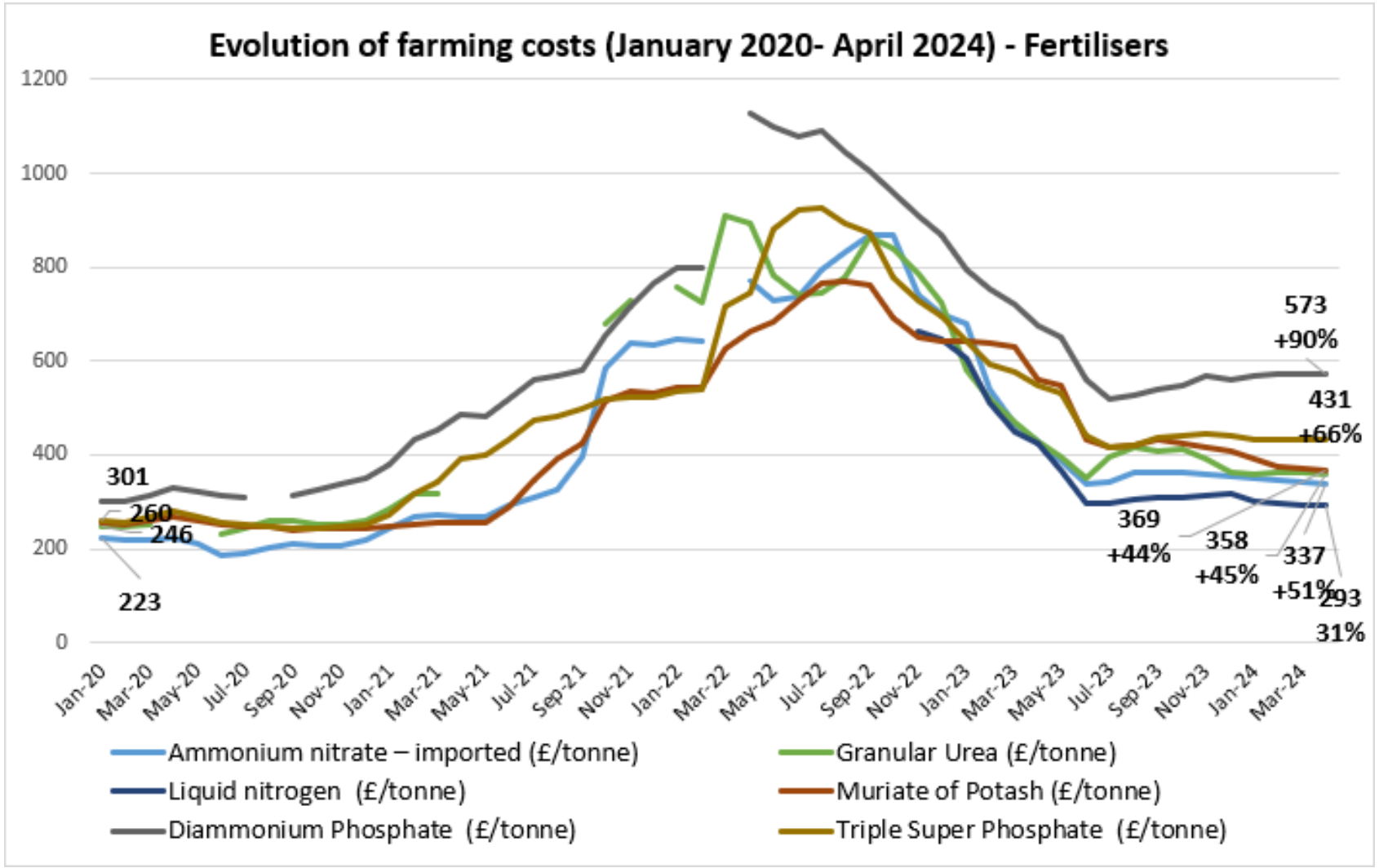
AVIVA

Acting on climate change to build a better tomorrow

Creating Space for Nature's Recovery


Evolution of farming costs (January 2020- April 2024) - Fertilisers
1200
1000
800
600
400
200
0
301
260
246
223
573
+90%
431
+66%
369
+44%
358
+45%
337
+51%
293
31%
Jan-20
Mar-20
May-20
Jul-20
Sep-20
Nov-20
Jan-21
Mar-21
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Jul-21
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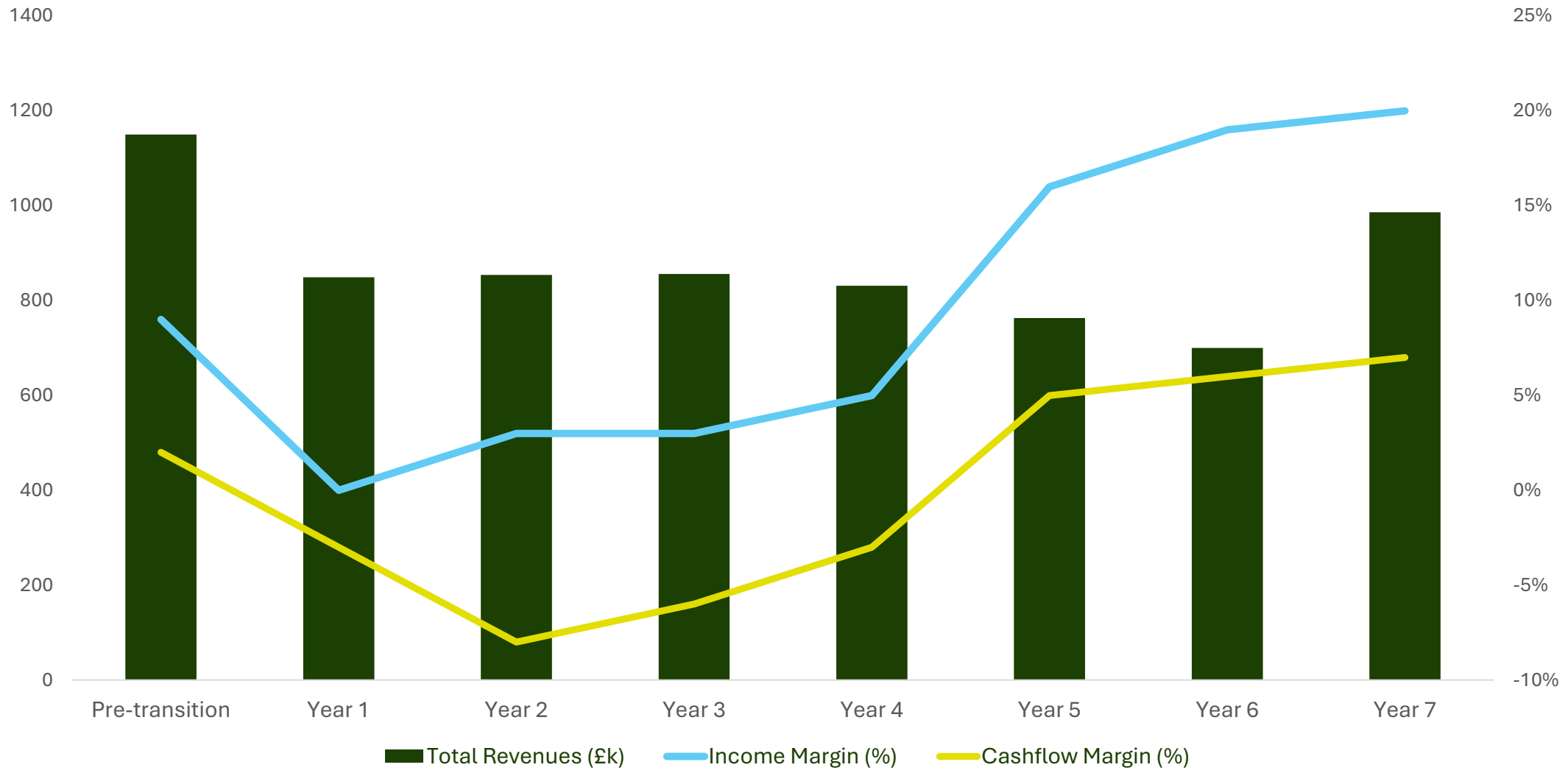
Mar-22
May-22
Jul-22
Sep-22
Nov-22
Jan-23
Mar-23
May-23
Jul-23
Sep-23
Nov-23
Jan-24
Mar-24
Ammonium nitrate – imported (£/tonne)
Granular Urea (£/tonne)
Liquid nitrogen (£/tonne)
Muriate of Potash (£/tonne)
Diammonium Phosphate (£/tonne)
Triple Super Phosphate (£/tonne)

Regenerative Transition for a UK Dairy Farm



Vassilis Gkoumas, Economist at WWF-UK
vgkoumas@wwf.org.uk

PROGRESS

- ✓ The UK government will include NPPs in the EIP and support th
- ✓ Defra officials are supporting of our proposal with GFI: Mary Creagh, Emma Hardy, Directors
  - ➢ **Next steps**: Explain link to economic growth, Raise philanthropic funding

- ✓ Private sector support: 27 businesses support our advocacy ask, Business for Nature
  - ➢ **Next steps**: Establish multi-stakeholder process

Good food, Good life

Unlocking business potential through nature positive supply chains

Dr Emma Keller

Head of Sustainability, Nestlé UK & I

May 2025

NESTLÉ'S NET ZERO ROADMAP

Our path to regeneration for future generations

Solving the problem means identifying the problem. We found Nestlé emitted 92 million tonnes of greenhouse gas emissions in 2018*. Now we know the extent, we know the road ahead.

*Total GHG emissions were 113 million tonnes (CO_2 equivalent) in 2018, 92 of which are in scope of our UN 1.5°C pledge.

Companies and their emissions grow over time. That's why we're promising to be net zero based on our 2018 baseline, no matter how much our company grows.

Path to zero emissions by 2050

Business as usual

Emissions by operation
(million tonnes of CO_2e, 2018)

65.6	Sourcing our ingredients
7.0	Manufacturing our products
11.0	Packaging our products
7.5	Managing logistics
0.8	Travel and employee commuting

Moving faster

We're excited to hit the soil running. We're accelerating our work in manufacturing, packaging and carbon-neutral brands. We're also investing CHF 1.2 billion to help spark regenerative agriculture across our supply chain, as part of a total investment of CHF 3.2 billion by 2025.

Our milestones

- 100% deforestation free for primary supply chains** by 2022
- Switch our global car fleet to lower emission options by 2022
- 100% certified sustainable palm oil by end of 2023
- 100% sourced renewable electricity in all our sites by 2025
- 100% of our packaging recyclable or reusable by 2025
- 100% certified sustainable cocoa and coffee by 2025
- Source 20% of key ingredients through regenerative agricultural methods by 2025
- Cut virgin plastic in our packaging by a third by 2025
- Plant 20 million trees a year

By 2025, we will reduce our emissions by 20%

**Scope: Direct supplies of palm oil, pulp and paper, soya, meat and sugar.

Scaling up

Further down the greener path, we will invest in new technologies and fundamental changes to our products and businesses around the globe.

- Use more renewable thermal energy in our manufacturing
- Source 50% of key ingredients through regenerative agricultural methods by 2030
- Plant 200 million trees by 2030

By 2030, we will reduce our emissions by 50%

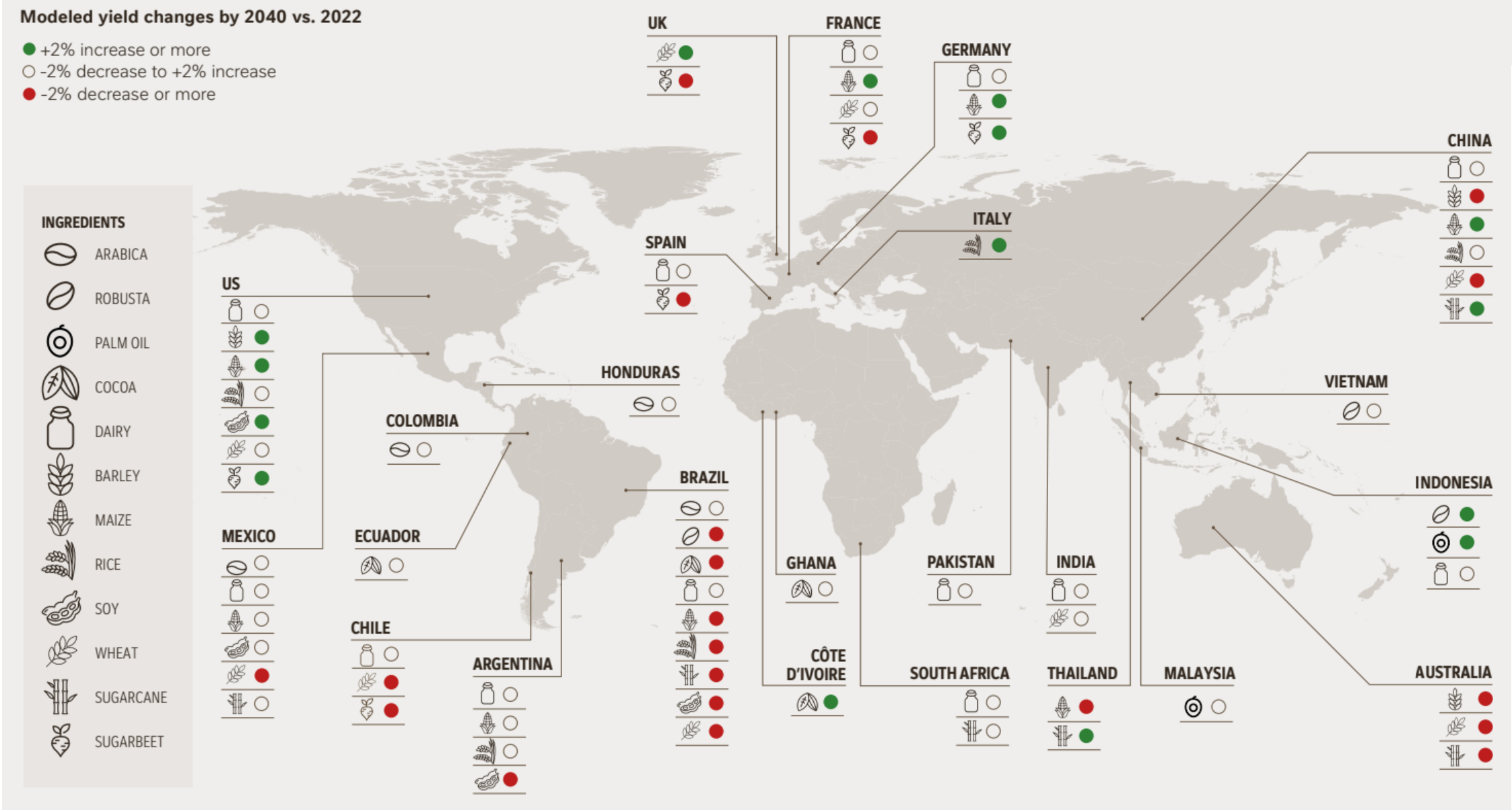
Delivering our promise

Advanced agricultural techniques will deliver a regenerative food system at scale, supported by zero emission logistics and company operations. We will balance any remaining emissions through high-quality natural climate solutions that benefit people and the planet.

By 2050, we will reach net zero

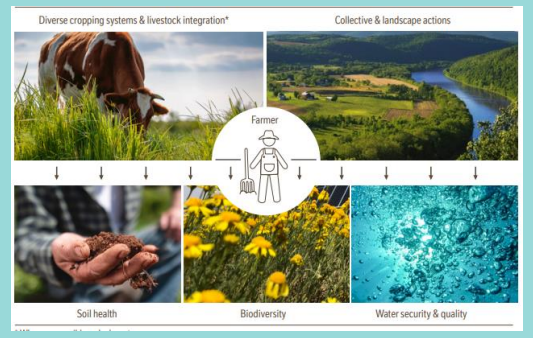
2018 2021 2025 2030 2050

Impact of climate and physical risk on key ingredients by 2040



Nature protection and restoration is embedded into our business strategies

Driving the transition towards Regenerative Agriculture



Sustainable sourcing of key agricultural commodities

Our Forest Positive Strategy: 3 pillars

I. Deforestation-free supply chains

II. Long-term forest conservation and restoration in our supply chains

III. Sustainable landscapes

Regenerative Agriculture at nestle

Targets

By 2025: **20%** of **key ingredient volumes** sourced through regenerative agricultural methods
By 2030: **50%** “ “

First Phase

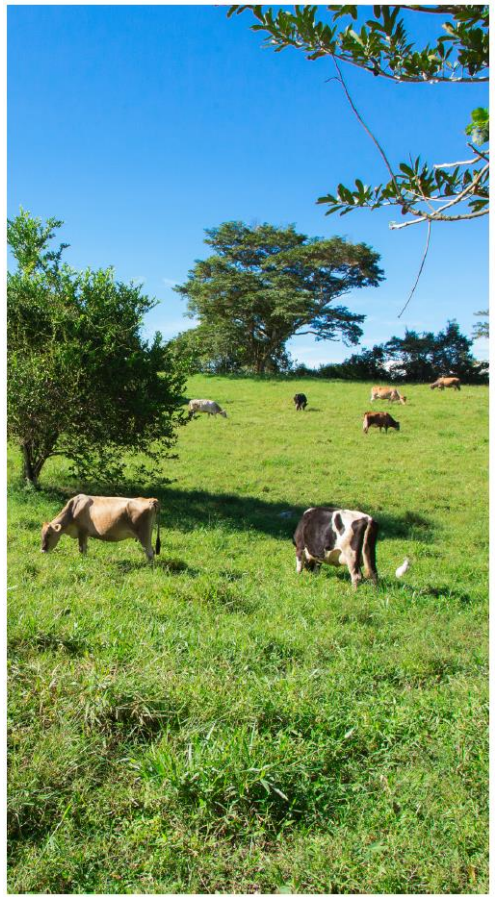
Volumes

Global Volume in Scope (2023)	14.24M **Tonnes**
UKI Volume in Scope (2023)	295k **Tonnes**

Regenerative Agriculture: Our Implementation Strategy

Our guiding principles

- Beneficial to farmers
- Driven by measurable outcomes
- Collaborative and science-based
- Pragmatic and adjusted to local conditions
- Actions at landscape level (where relevant)
- Tailored to smallholder needs (Where relevant)

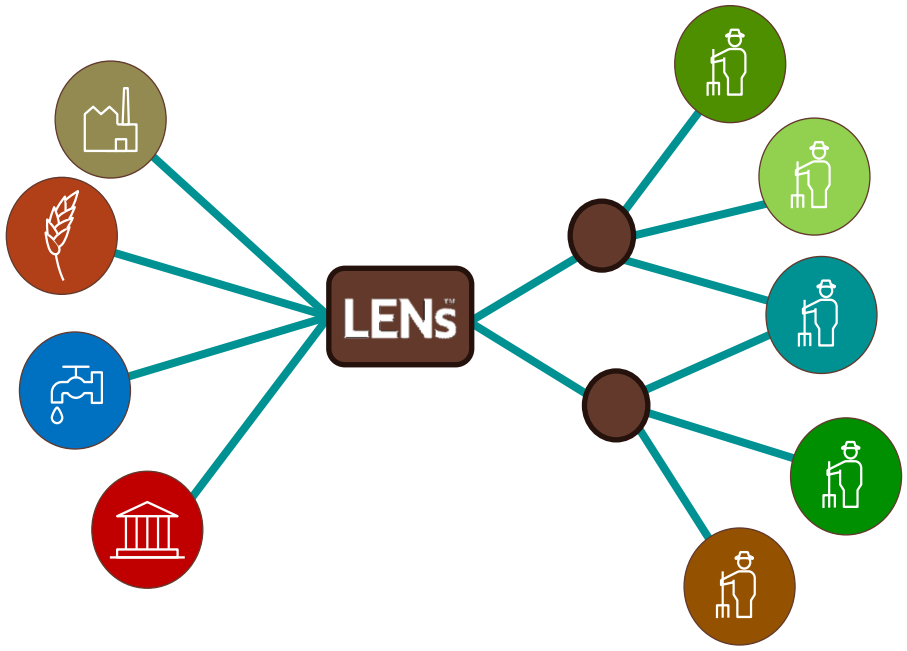


Implementation

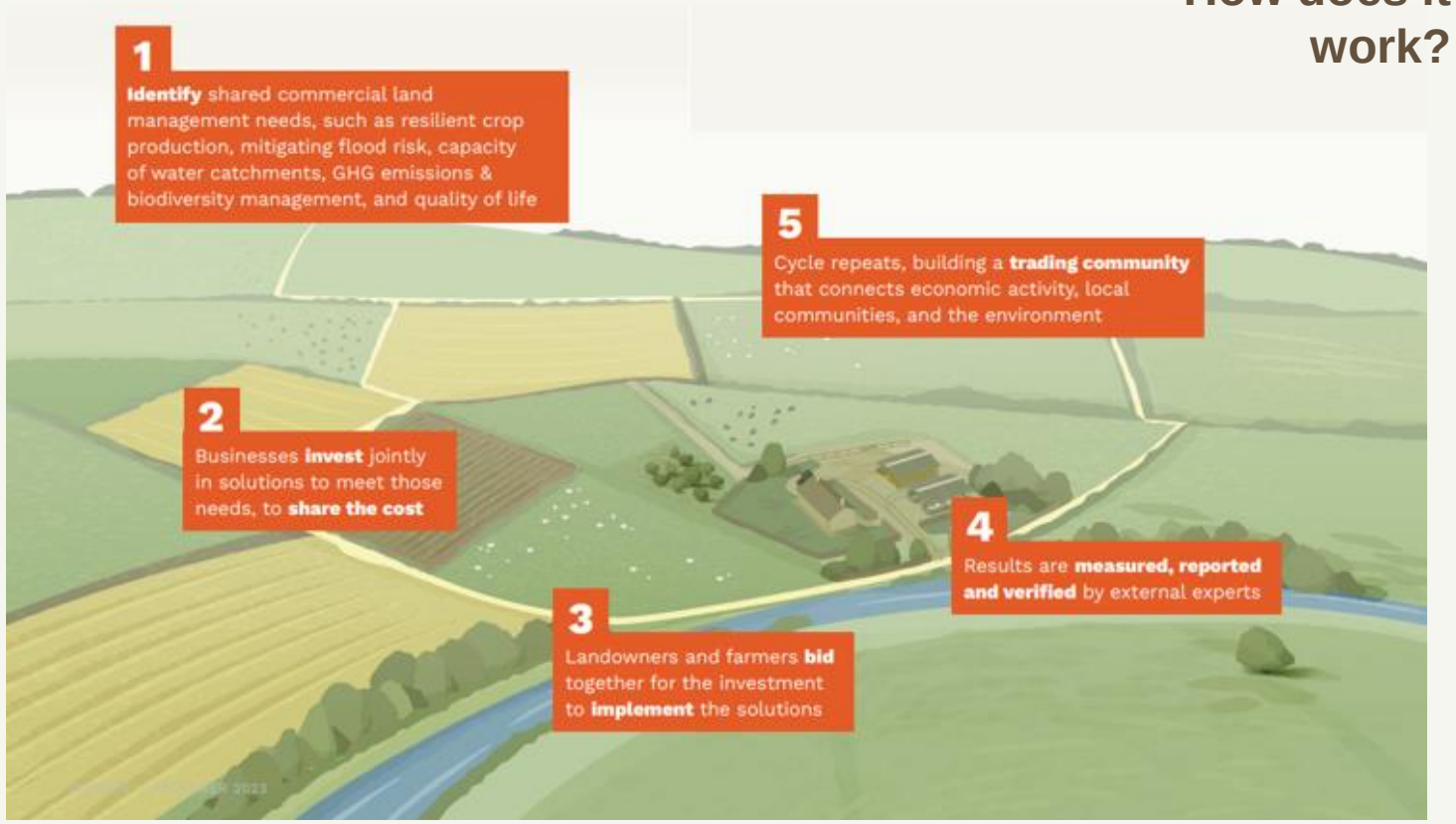
TECHNICAL	COLLABORATIVE	FINANCIAL
Adoption of practices at farm level	Awareness creation, engagement and training of stakeholders	Ensuring competitive solutions and creating demand
Initial mapping resources & practices	Expertise, partnerships, incl. R&D	Funding models, internal & external
Engage farmers, reference farms	Communication strategy	Benchmarking
Deploy, measure & report	Wokshops & advocacy	Ensure long term demand

Landscape enterprise Networks (LENs)

A shared interest tool for building resilience



How does it work?



Strategic partners:

Nestlé PEPSICO DIAGEO

3keel PURINA world biodiversity association onlus trinity cpw Consorzio Tutela Prosecco DOC Nestlé anglianwater AffinityWater frontier Openfield Cumbria County Council National Trust SOIL ASSOCIATION EXCHANGE Preferred by Nature Agricarbon CSQA Cargill SRUC United Utilities YorkshireWater Camgrain Eden Rivers Trust

Nestlé income accelerator program

- School enrolment
- Good agricultural practices
- Agroforestry activity
- Diversified incomes

THE NESCAFÉ PLAN 2030

Helping renew the world of coffee to uplift lives and livelihoods with every cup.

2030 Vision

An integrated strategy to use regenerative agriculture to help address climate change, aiming to:

- REDUCE GREENHOUSE GAS EMISSIONS
- INCREASE FARMERS' INCOME
- CREATE BETTER SOCIAL CONDITIONS

Our goals:

By 2025

- 100% responsibly sourced coffee
- Source 20% of our coffee through regenerative agriculture methods

By 2030

- Source 50% of our coffee through regenerative agriculture methods
- 50% greenhouse gas emissions reduction

AGROFORESTRY

Help farmers to improve soil health, water management and biodiversity by combining coffee with shade or border trees.

LAND RESTORATION

Support farmers to plant native trees to capture CO_2 in and around coffee farms, helping improve biodiversity and water management.

GREEN BORDERS (RIPARIAN BUFFERS)

Help farmers improve water sources and biodiversity by restoring vegetation along the water margins.

FINANCIAL SUPPORT

Supporting coffee farmers in accelerating their transition to regenerative agriculture practices.

HUMAN RIGHTS AND CHILD PROTECTION

Reinforcing monitoring and corrective actions across our value chains.

WOMEN AND YOUTH EMPOWERMENT

Enhancing business and financial skills through training, including record keeping and farm management.

OPTIMIZED FERTILIZATION (INCLUDING ORGANIC FERTILIZERS)

Support farmers to improve productivity and quality, helping reduce CO_2 and improve soil health by tailoring the fertilizer to the soil needs.

FARM RENOVATION

Support farmers to improve yield and quality, and to reduce CO_2, while aiming to improve income through pruning and/or the introduction of new and improved coffee varieties.

COVER CROPS

Help farmers to improve soil health and biodiversity, while reducing agrochemical usage.

INCOME DIVERSIFICATION (INCLUDING INTERCROPPING)

Promoting different crops within the coffee farm to enhance income diversification, soil health and biodiversity.

Nestlé Regenerative Milk Plan

- GHG emission reductions
- Improvements in animal welfare
- 140ha woodland planted
- 25k boundary trees
- 650km of hedges
- Farmer-led interventions and incentives driving continuous improvement

Nature as an unlock

Business resilience

Regulatory context is driving an increased focus on nature

Opportunities to collaborate within and beyond single sectors e.g. BNG

Employee engagement, pride, talent attraction

CHALLENGES AHEAD

Definitions and methodologies vary across industry – lack of standardization (at present).

A patchwork of solutions likely needed, depending on the context:

1. supplier-led programmes
2. landscape-scale collective actions

Better alignment and coordination between public and private sectors is key to avoiding confusion, duplication and unintended consequences

Nestlé Good food, Good life

Q&A

Thank you

Tomorrow begins today

TEAM GB

NatWest

PROUD PARTNER

ParalympicsGB