



WEBINAR

MAPPING THE PATH TO NET-ZERO IN OUTDOOR RECREATION

TUESDAY 17TH
SEPTEMBER

11:00-12:30



WEBINAR
STARTING
SOON



This webinar is being recorded and will be made available online following the event.



MAPPING THE PATH TO NET-ZERO IN OUTDOOR RECREATION

TUESDAY 17TH
SEPTEMBER
11:00-12:30



Welcome

James Nevitt

Senior Access & Recreation Manager
DIO

ORN Co Chair

Housekeeping



During the webinar presentations please mute your mic and turn off your camera to help with bandwidth.



This Webinar is being recorded and will be made available online following the event. If you do not wish to appear on screen at any point, please keep your camera turned off.



Please make comments and ask questions using the 'Conversation / Meeting Chat' function.



During Q&A sessions please 'raise your virtual hand' when you would like to ask a question.

Agenda

Welcome & Introductions

Presentations by:

- **‘Every Move: working together to achieve sustainability’**

Dr Denise Ludlam, Environmental Sustainability Strategic Lead at Sport England

- **‘The Lake District – working towards Net Zero in a busy National Park’**

Emma Moody, Lead Strategy Adviser for Recreation and Sustainable Transport, Lake District National Park Authority and **Martin Sleath**, Sustainability Adviser, Lake District National Park Authority

Q&A with Speakers

Presentation by:

- **‘Decarbonising National Parks and other outdoor recreation hotspots’**

Dr Dmitry Yumashev, Principal Consultant, Small World Consulting

Q&A with Speaker

Close



Dr Denise Ludlam

Environmental Sustainability Strategic Lead

Sport England

Every Move:

*Working together to achieve
sustainability*

Denise Ludlam 17th September 2024



participation

climate change

inequalities

A 2050 vision for the sector

Zero carbon and climate resilience

- Sports facilities generate renewable energy for the local community and showcase circular and sustainable build methods.
- Facilities and sports are adapted to our changing climate (e.g. flood resistant).

Active design

- Walking, cycling and low-emission travel through nature-rich corridors is the norm.
- Physical activity and sustainability principles underpin the design of our community spaces.

Nature thriving

- Everyone has access to clean green and blue spaces to enjoy, play and relax in.
- These spaces are biodiversity and wildlife-rich.



Community hubs

- Sports facilities and events are community orientated and co-located with health and other essential services.
- Clubs regenerate and transform local communities through sustainable and inclusive practices.

Our vision for the sector

A positive and regenerative sport and physical activity sector championing environmental sustainability with every move.



Sport England's Sustainability Mission

Sport England will lead, inspire and support the sector to become environmentally sustainable, enabling greater opportunity for all people to participate in sport and physical activity, now and in the future.



Our priority themes

Just transition:
inequalities,
inclusion and
participation

Carbon
emissions:
travel and
facilities

Circular economy:
supply chains,
products and
waste

Blue-green
environment
quality and use

Biodiversity

Adapting to
climate change
and extreme
weather events



Our levers for change

Our Operations

Support and Capability
Building

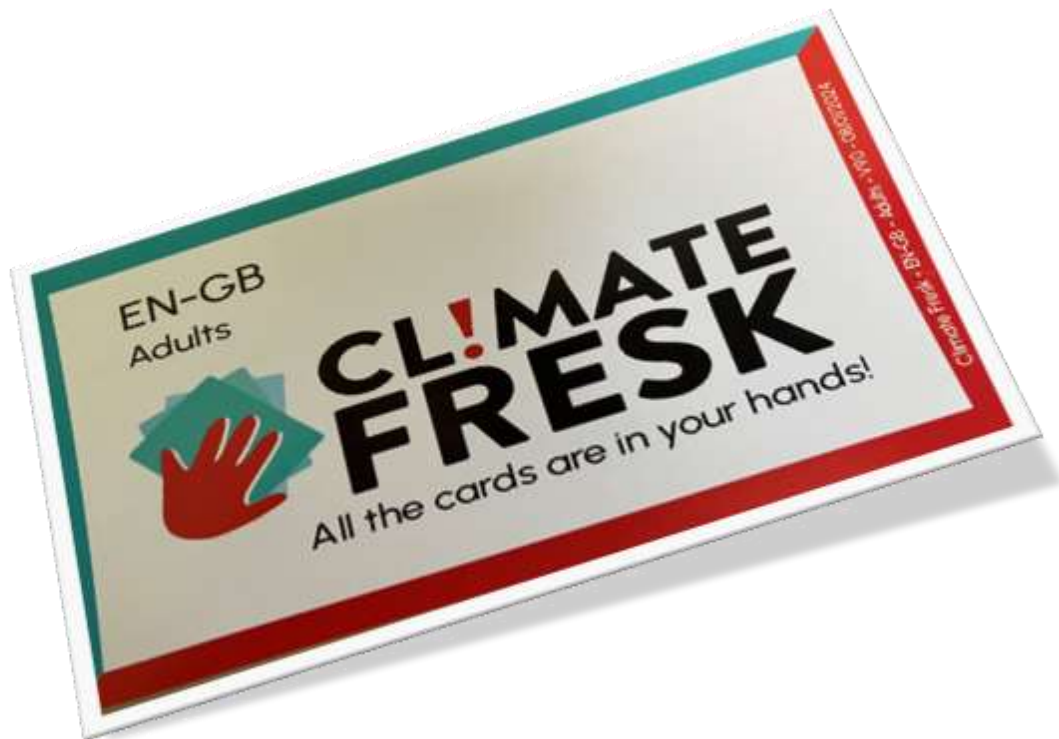
Leveraging
Our Investment

Advocacy

Influencing the Natural
and Built Environment

Support and capability building

We will work to ensure our partners understand how they can play their part and have the capability to contribute to the collective vision to realise a positive and regenerative physical activity sector



- Coalitions
- Create tools and resources
- Provide learning opportunities
- Deliver training
- Connect agendas, internally and externally

Leveraging our investment

We will leverage our multi-million pound investment to support collaboration and innovation as well as strengthening the conditions to promote sustainability for our partners

- Sport governance (section 5.2 ESG)
- Build sector capacity
- Funding conditionality – need for action plans (by 2027)
- Movement Fund



Advocacy

We will use our collective influence to drive progress



- Awareness raising activities
- Produce visuals and media content
- Influence wider policy development
- Tackle climate injustice
- Thought leadership

Influencing the natural and built environment

We will seek to help those engaged in delivering and managing the natural and built environment, addressing each location's unique challenges and opportunities to create and maintain high-quality environments that encourage people to move more, reduce emissions and enhance biodiversity

- Recycling of AGPs
- Transition away from rubber infill for 3G pitches
- Information and awareness about AGP
- Facilities and planning
- Active environments
- Building resilience to a changing climate



Any
questions?

Contact:

Sustainability2@sportengland.org





Q&A



Emma Moody

Lead Strategy Adviser, Recreation and Sustainable Transport

Lake District National Park Authority

And

Martin Sleath

Sustainability Adviser

Lake District National Park Authority

The Lake District: working towards Net Zero in a busy National Park



Lake District
National Park

September 2024

Emma Moody, Lead Strategy Adviser
Martin Sleath, Sustainability Adviser

The Lake District



- 2,364 sq. km (912 sq. miles)
- 18.14 million visitors in 2022
- 40,478 residents
- 3,221 km of rights of way
- 70.3% of visitors go for a walk

National Park Authority

- ~200 staff
- Staff and budgets comparable to a secondary school

Carbon reduction in the Lake District: Whole National Park (LDNP Partnership)



Partnership's Plan 2020-25:

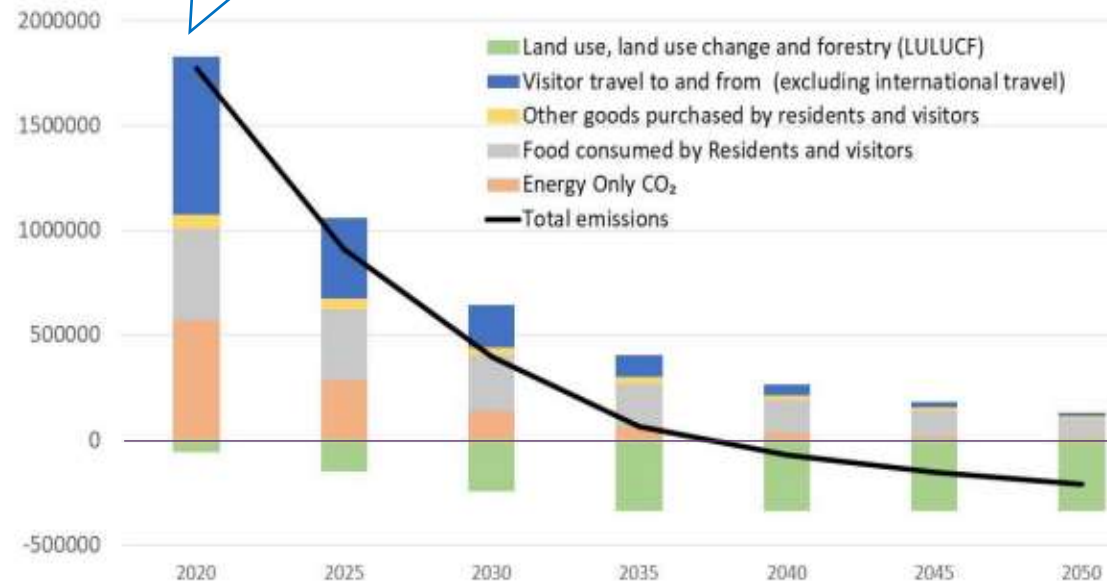


[Home](#) > [Caring for](#) > [Lake District National Park Partnership](#) >
[Partnership's Management Plan 2020-2025](#) > [Climate action](#)

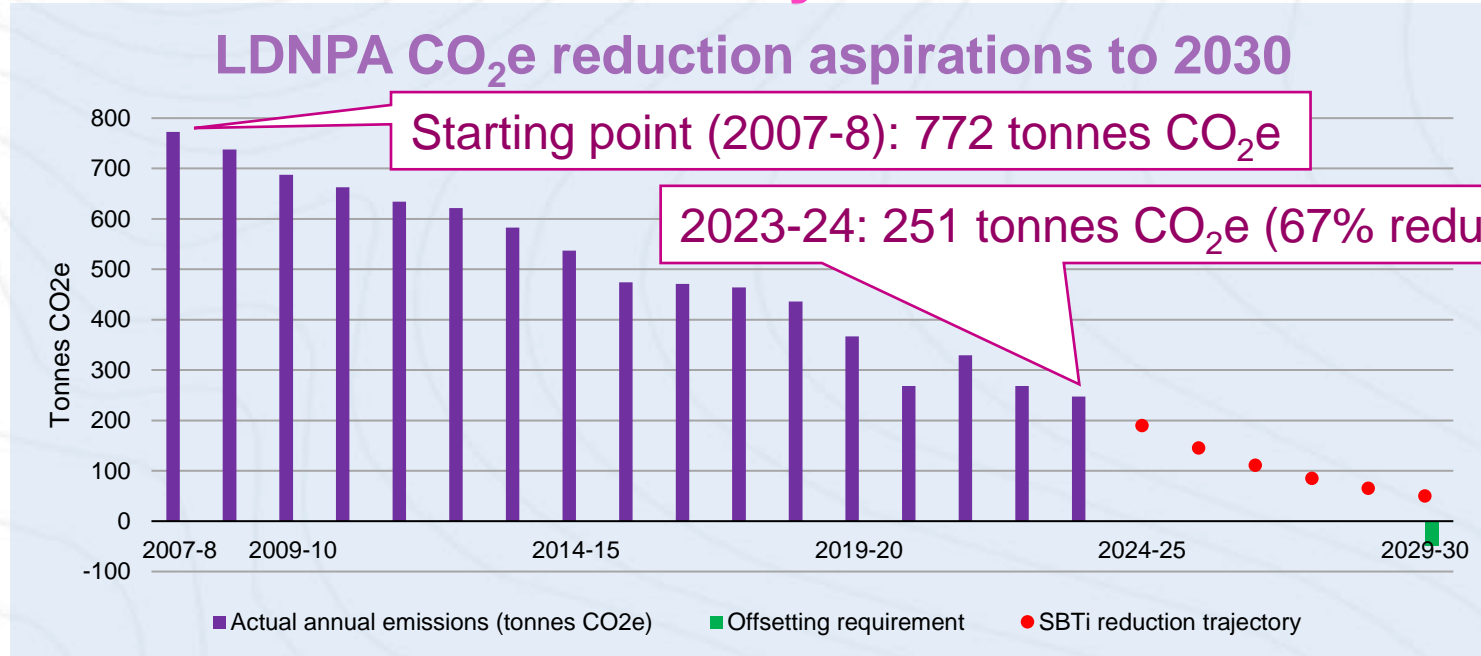
Outcome 2: Climate action –
achieving net zero and adapting
to climate change

Visitor travel: 753,623 tonnes CO₂e (2020)

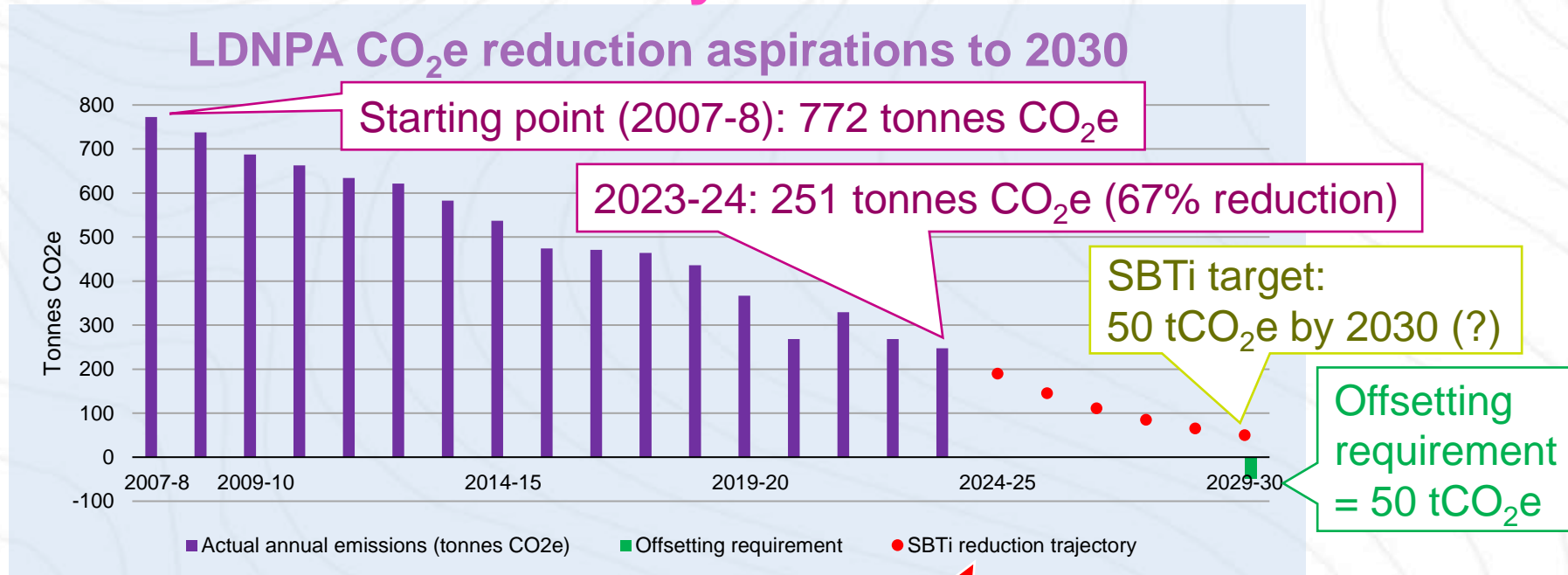
Net Zero by 2037



Carbon reduction in the Lake District: National Park Authority



Carbon reduction in the Lake District: National Park Authority



BUT... this doesn't include most of our Scope 3 emissions



Carbon reduction in the Lake District:

1. Rights of Way maintenance

- 18.14 million visitors in 2022
- 70.3% of visitors go for a walk
- Also mountain biking, horseriding, illegal 4x4s and motorbikes...



- Erosion
- Compaction
- Channelling
- Habitat damage...

- Visual scars
- Siltation of watercourses
- Peat erosion → carbon emissions

Maintenance considerations:

- Project emissions from vehicles, diggers, helicopters...
- Embodied carbon in materials
 - stone / steel / timber / recycled plastic...
- Visitor education: how to minimise damage



Carbon reduction in the Lake District:

2. Electric vehicle charge-points



Private vehicle emissions in Cumbria:

- Residents: ~1 million tCO₂e/yr
- Visitors travelling to/from Cumbria: ~2 million tCO₂e/yr
- Visitors travelling within Cumbria: ~0.2 million tCO₂e/yr

LDNPA:

- 19 out of our fleet of 36 road vehicles are battery electric
- 16.5 tCO₂e saved by switch to EVs
- 6 work bases have EV chargers (of which 4 also have public chargers)
- Contribution to public charge-point network: 7 public car parks

Active Travel: new routes

- Creating new links and trails to connect people with where they want to go, residents and visitors
- Working with Active Travel England to identify new links

Case Study: The Keswick to Threlkeld Trail

- 265,000 users per year
- Replacing car journeys
- £15 million per year economic benefit



Active travel: the rights of way network

In the Lake District 70% of visitors walk 15% of visitors cycle

Important part of infrastructure, please don't take for granted

Paths should be easy to use, waymarked, not ankle deep in mud!

Good information



Public transport

Working with partners to encourage improvements

Good commercial services

Filling key gaps through supported services

Case study: the Wasdale Shuttle Bus



Information and marketing

- Behaviour change
- Getting messaging right
- Keep reminding people, include in all messaging

3 days ago · 🌐

How do I get to and around the Lake District?

With over 900 square miles of stunning landscapes, the Lake District is open all day, every day, with no gates or barriers. Check out our website to choose your destination and activities. Then plan your trip using trains, buses and bikes; <https://ow.ly/vHFr50Tpg6>



 **Lake District National Park**
24 August at 09:00 · 🌐

Whether you're looking for a gentle stroll or a more challenging trek, there's a for you!

Our Miles without Stiles accessible paths are perfect for everyone, from wheelchair users and families with pushchairs to those who prefer easier walks. Find your route today; <https://ow.ly/Xey750T4wb8>



22 August at 18:03 · 🌐

Are you prepared for a bank holiday in the Lake District?

Be #LakeDistrictKind

- 🧳 Pack smart for your trip
- 🚤 Stay safe on the water—always wear a life jacket!
- 🚌 Use shuttle buses, boats, or trains to reduce your carbon footprint.
- 🗑️ Leave no trace—take your litter and dog poo home.
- 🚫 Don't block gates or road access.
- 🐕 Keep dogs on leads near livestock.
- 🏕️ Respect camping rules
- 🔥 No fires or BBQs



Innovation

New technology or just doing things differently can be the answer...



Driverless PODS trial



EV charging



Information



Lake District National Park

**Thank you for listening! For more
details contact:
martin.sleath@lakedistrict.gov.uk
emma.moody@lakedistrict.gov.uk**



Q&A



Post Event Resources

What's coming up

Booking Open - **ORN Planning the Future workshop**

20th – 21st November, Leigh Court Bristol



Save-the-Date – **Annual Expert Lecture with Jack Cornish (Head of Paths, Ramblers GB)**

Thursday 5th December 2024 - Topic: 'Lost Paths'



Dr Dmitry Yumashev

Principal Consultant

Small World Consulting

Decarbonising National Parks and other outdoor recreation hotspots

17/09/2024

Dr Dmitry Yumashev
Small World Consulting



Part 1:
Context

Climate & ecological emergency



Extreme weather events

Droughts, storms, wildfires
Uninsurable property losses
Multi-breadbasket failure



Rising sea levels

Flooding, soil contamination
Loss of agricultural land/habitats



Natural resource depletion

Loss of groundwater and topsoil due
to changing rainfall patterns



Spreading pests & diseases

Supported by shifting climate
Rising CO₂ levels weaken crop defenses



Loss of nutrition

Rising CO₂ levels decrease
nutritional value of staple crops



Biodiversity loss

Shrinking habitats & mass extinction
Mis-timed spring emergence
Greater risk of disease



Wild food depletion

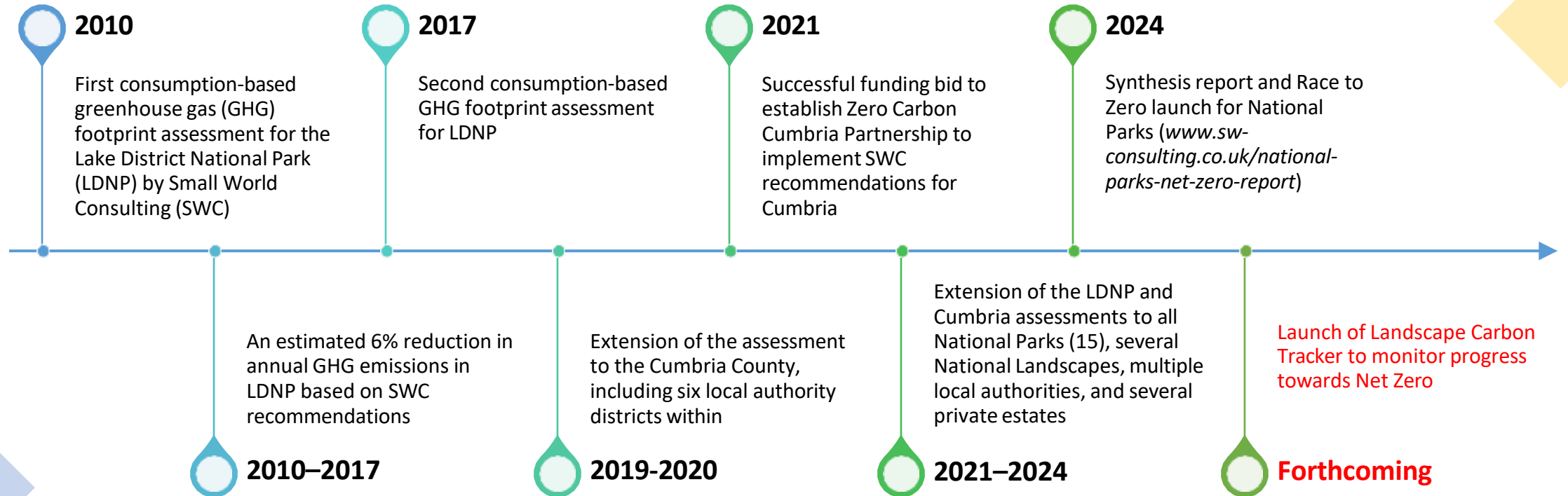
Ocean acidification
Loss of freshwater/land habitats



Reduced access to food

Trade disruption & increased conflict
Rising food prices
Risk of displacement on unprecedented scale

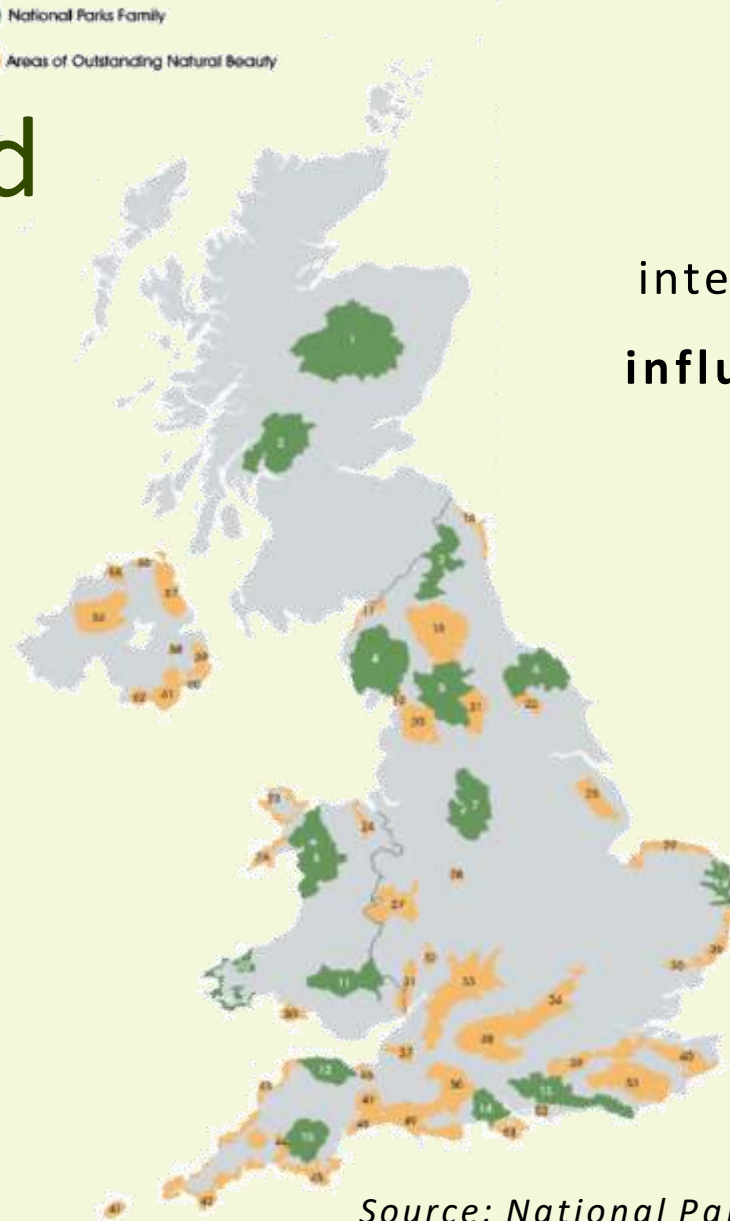
Background: Carbon footprint estimates for **designated landscapes, local authorities & private estates** by Small World Consulting



Role of protected landscapes

- 15 National Parks and 46 AONBs
 - 18% of UK land area
 - 1.5 million residents
 - 250 million visitors/year

● National Parks Family
● Areas of Outstanding Natural Beauty

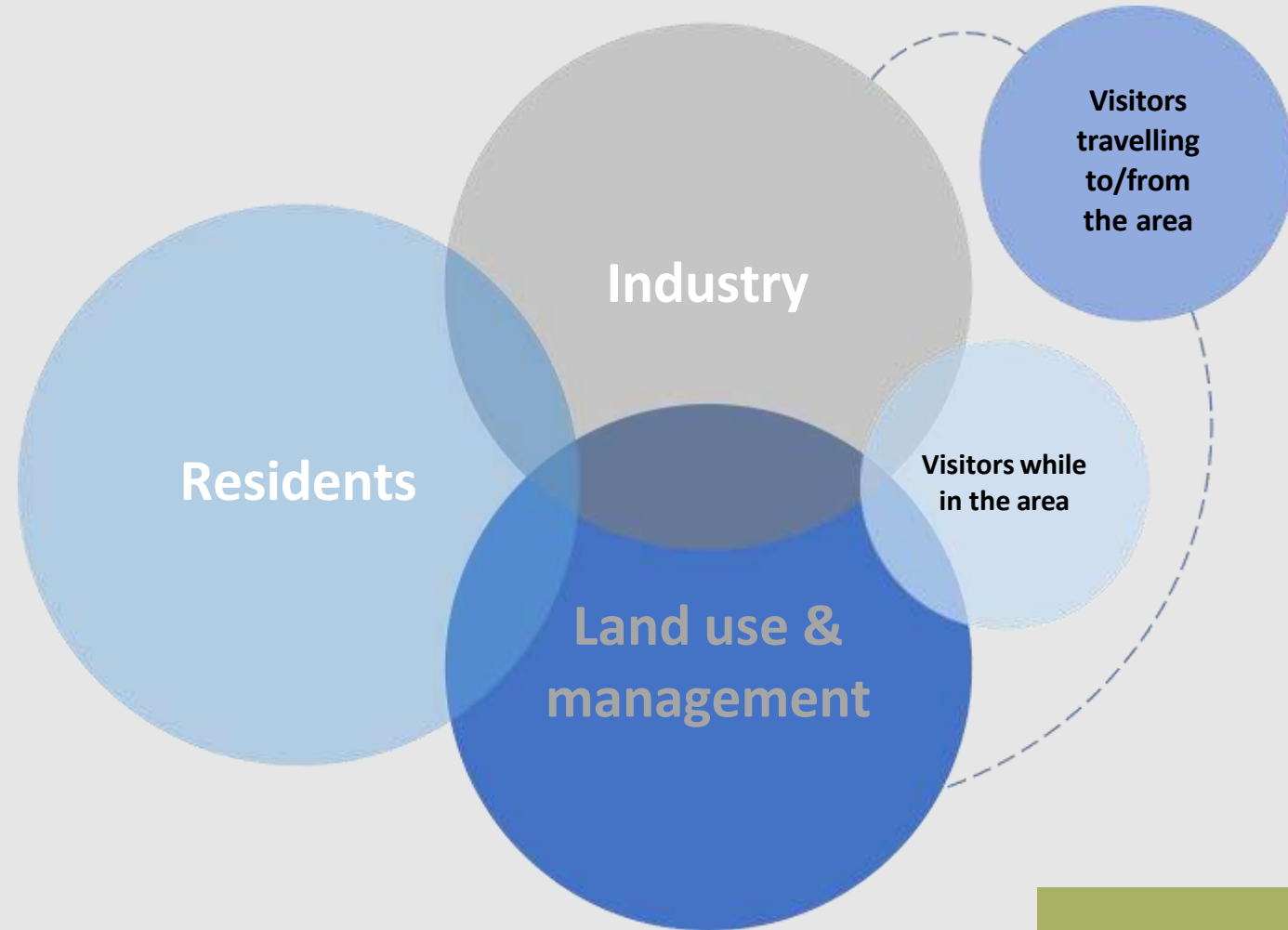


High national and international profiles mean **influence can exceed scale of own emissions**

Part 2: Approach

Assessment boundaries

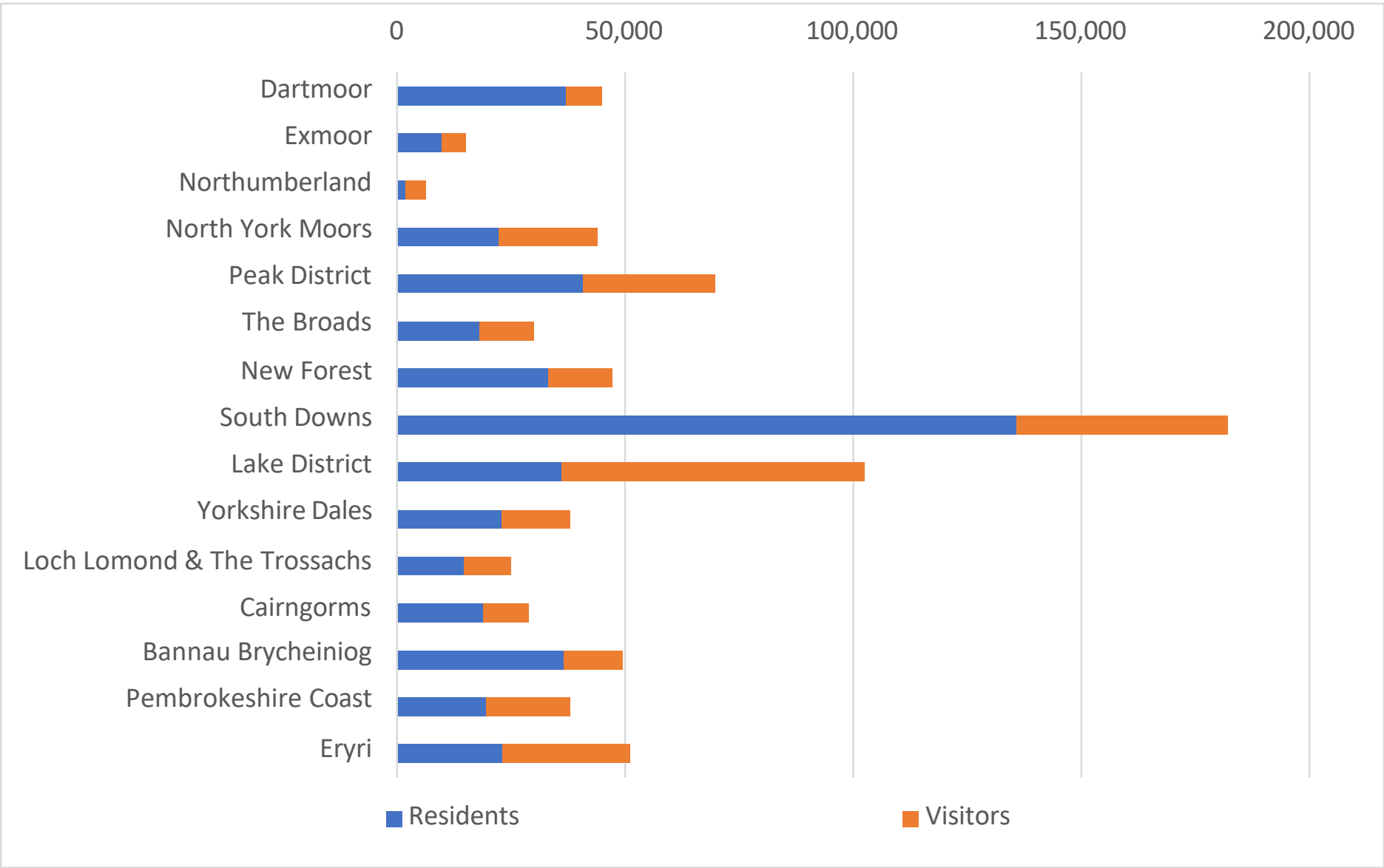
- ▶ **Consumption-based approach:** full footprint of lifestyles, goods & services
- ▶ Approach taken by **leaders** to accelerate low-carbon transition
- ▶ We also include elements of **territorial emissions**, e.g. from land use
- ▶ Carbon baseline assessment year: **2022**
- ▶ Emission reduction and land use targets: **to 2050**; aligned with 1.5C ambition levels
- ▶ All estimates are subject to **uncertainties**, particularly for industry
- ▶ **Sufficient** for practical decision-making



Part 3: Results

Key Stats: Residents & Visitors (National Parks)

Units: estimated residential populations & numbers of visitors (average per day) in 2022



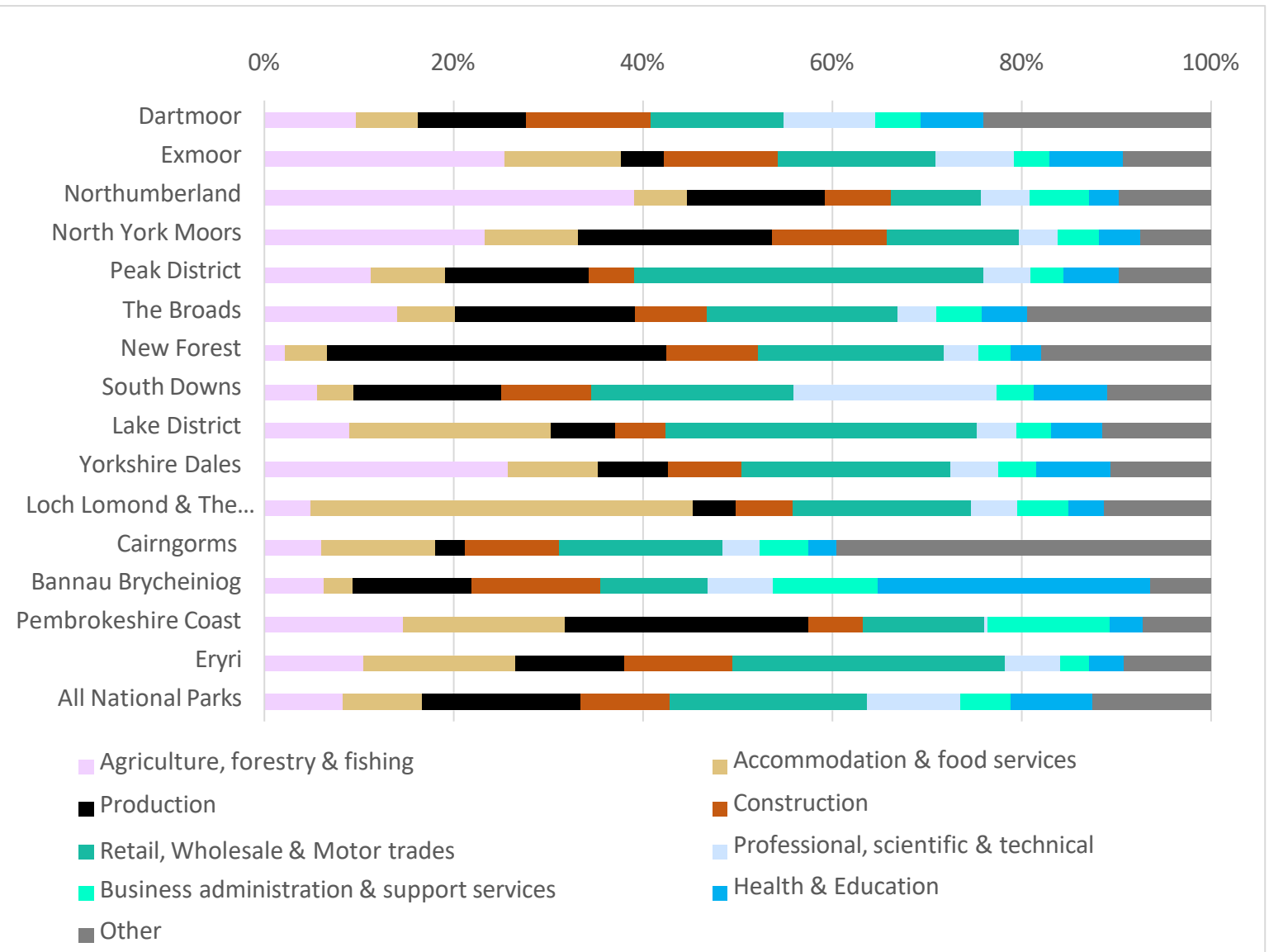
Key Stats: Visitor Travel (National Parks)

National Park	Average One-Way Distance Travelled (miles)	% of Visitors Staying Overnight	Average Duration of Overnight Stay (days)
Dartmoor	108	12%	3.9
Exmoor	143	21%	3.8
Northumberland	62	4%	5.0
North York Moors	104	8%	4.6
Peak District	73	8%	4.5
The Broads	104	14%	5.3
New Forest	33	15%	4.4
South Downs	40	4%	3.1
Lake District	174	18%	3.7
Yorkshire Dales	106	13%	3.4
Loch Lomond & The Trossachs	170	31%	3.1
Cairngorms	279	48%	3.2
Bannau Brycheiniog	92	10%	4.1
Pembrokeshire Coast	174	58%	5.1
Eryri	206	35%	5.6

Key Stats: Businesses & Public Sector (National Parks)

Units: % of landscape's business & public sector turnover in 2022

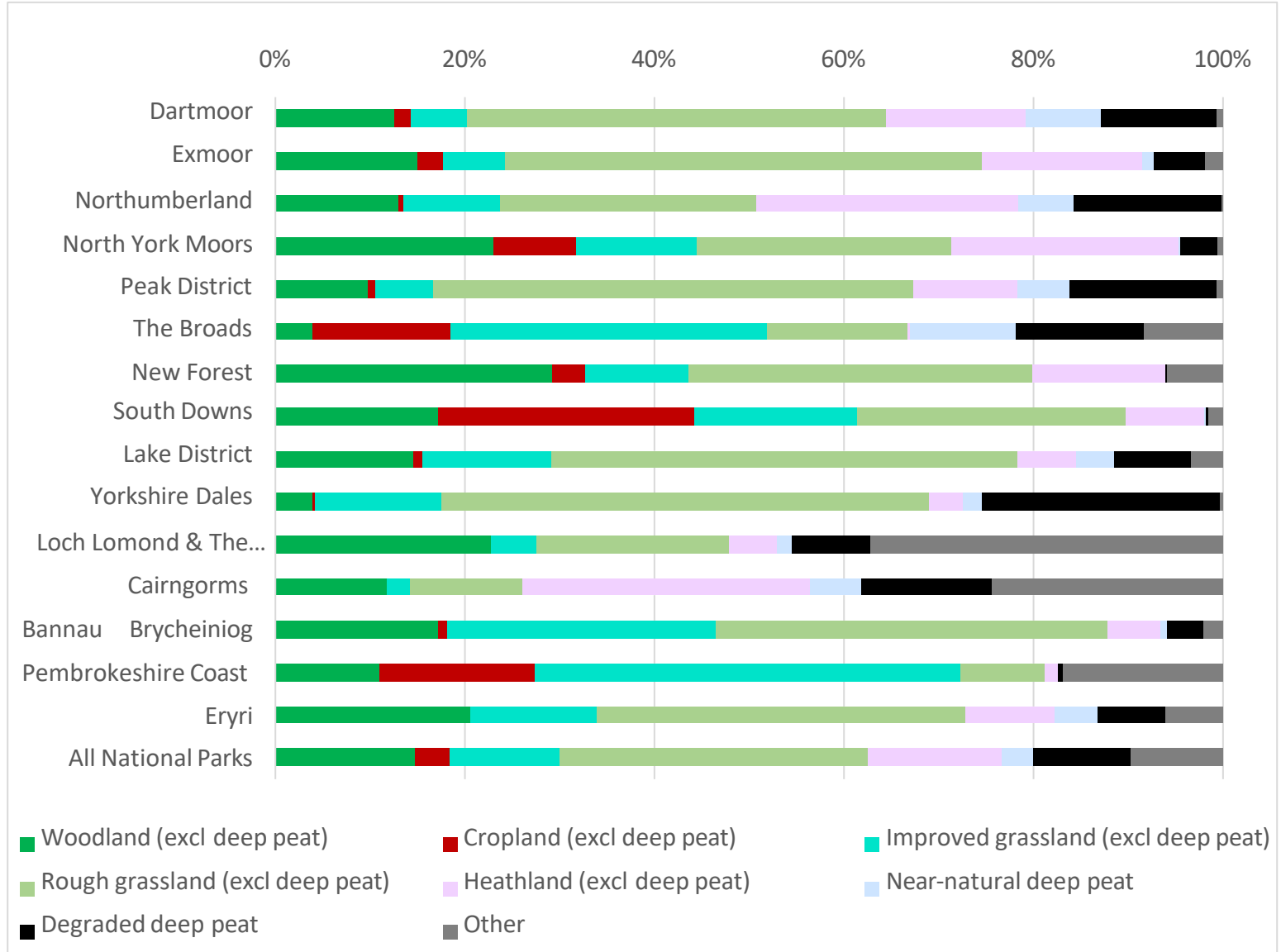
National Park	Total Business Turnover (£ million per year)
Dartmoor	741
Exmoor	216
Northumberland	40
North York Moors	560
Peak District	1,372
The Broads	225
New Forest	2,706
South Downs	5,377
Lake District	1,485
Yorkshire Dales	624
Loch Lomond & The Trossachs	368
Cairngorms	587
Bannau Brycheiniog	2,315
Pembrokeshire Coast	888
Eryri	636



Key Stats: Habitats & Peat (National Parks)

Units: % of landscape's area in 2022

National Park	Land area (ha)
Dartmoor	95,300
Exmoor	69,400
Northumberland	104,800
North York Moors	143,400
Peak District	143,700
The Broads	30,300
New Forest	57,000
South Downs	165,268
Lake District	236,258
Yorkshire Dales	217,900
Loch Lomond & The Trossachs	186,500
Cairngorms	452,800
Bannau Brycheiniog	142,039
Pembrokeshire Coast	62,100
Eryri	217,600



Emission reduction & land use targets

All targets

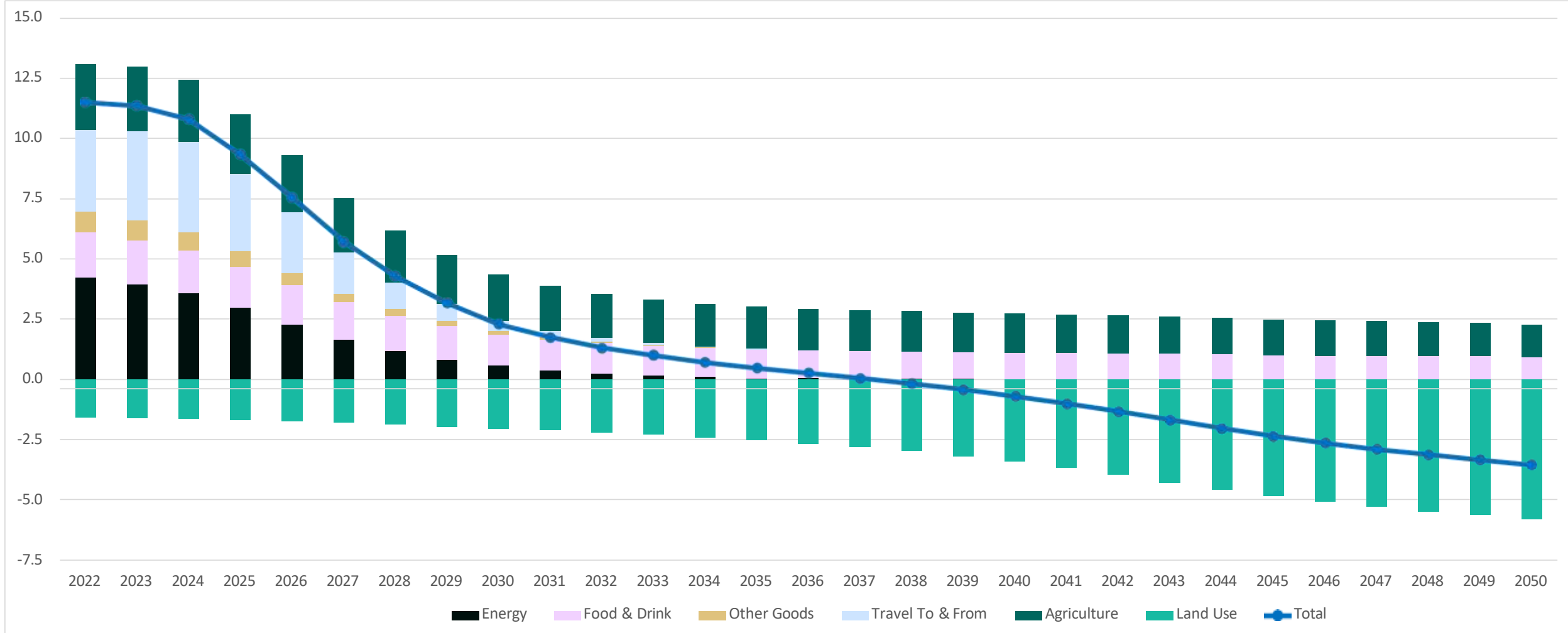
- ▶ Aligned with levels of ambition consistent with limiting global warming to 1.5°C
- ▶ Very different options and constraints for different sectors
- ▶ Fastest decarbonisation: energy use (including buildings & transport)
- ▶ Harder-to-decarbonise areas: food & drink, agriculture, other consumption

Land use targets

- ▶ Options: new woodland, restored peatland, regenerative agriculture
- ▶ Apportioned from UK's Sixth Carbon budget according to habitats & peat in each landscape
- ▶ Extra ambition for woodland to bring C sequestration in line with 1.5°C-aligned levels

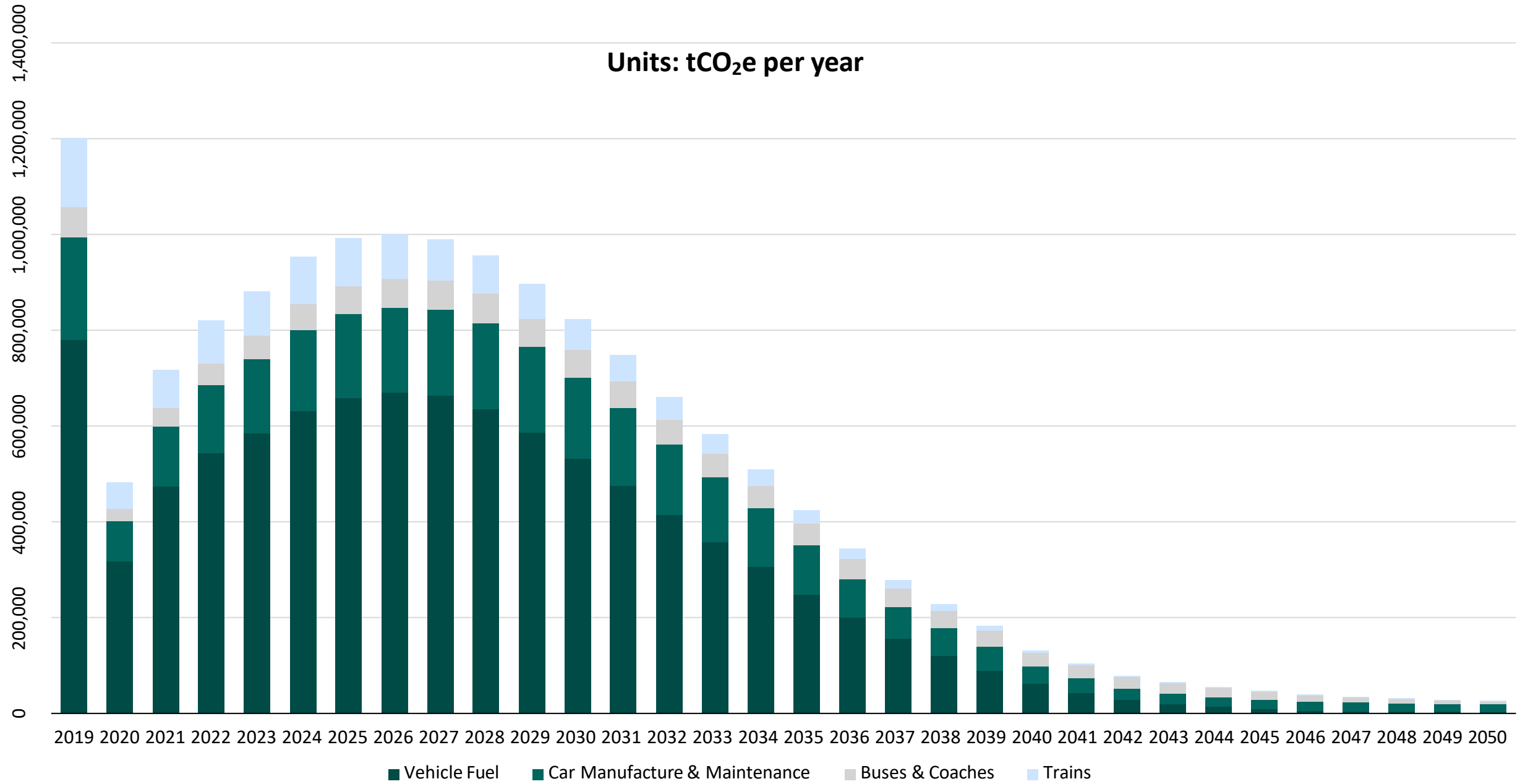
Results: Net Zero pathway for all National Parks

Units: MtCO₂e per year

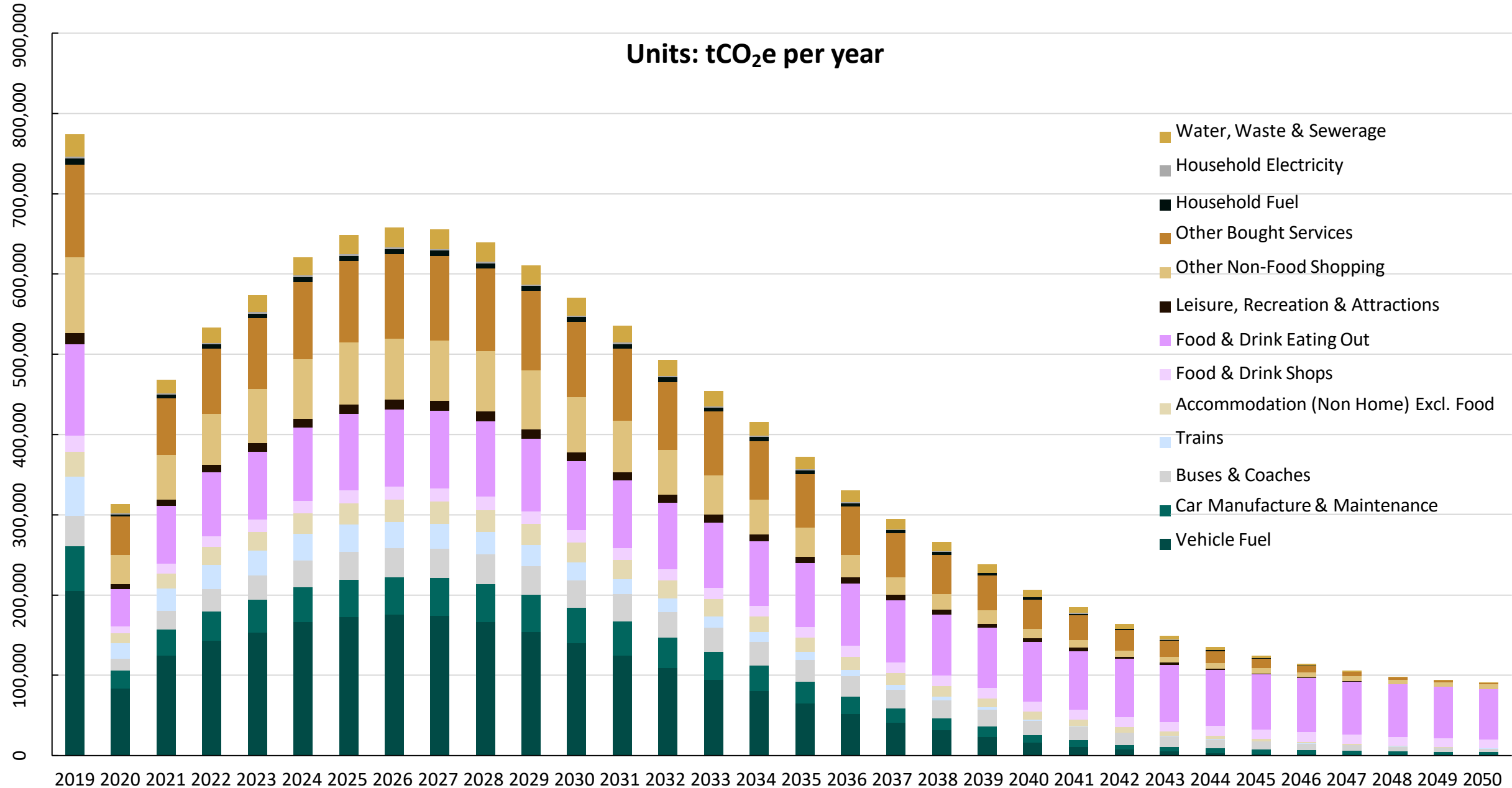


Results: Decarbonising visitor approach travel (Suffolk)

Units: tCO₂e per year



Results: Decarbonising visitor economy within (Suffolk)



Decarbonising National Parks and other outdoor recreation hotspots

Key recommendations

- ▶ Electrify road and rail transport
- ▶ Promote public transport and active travel
- ▶ Promote care share and smaller vehicles
- ▶ Switch from gas and oil boilers to heat pumps, and insulate buildings
- ▶ Reduce and ultimately eliminate waste of all kinds by moving to a circular economy
- ▶ Grow and consume a more sustainable food basket, including local produce and plant-based options
- ▶ Embark on ambitious landscape enhancement programmes



Thank you!



Feedback Survey

<https://forms.office.com/e/kWWa2CWFeg>



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Thank you for joining

Recording will be available soon

