

ReMeMaRe Conference

2024

Restoring Estuarine & Coastal Habitats
10 – 11 July 2024



ReMeMaRe Conference 2024



Thanks to our sponsors and exhibitors



ReMeMaRe

2024

**Roger
Proudfoot**
Environment Agency



Credit: Michael Vos

Credit: Nicola Shearer

Credit: Paul Naylor



ReMeMaRe Reflections



Timeline

2018

ReMeMaRe first explored within EA



2019

First ReMeMaRe Steering Group Meeting

2020

First Partnership Group Meeting

2021

Restoration potential maps published



2022

Environmental Improvement Plan 2023

First revision of the 25 Year Environment Plan

ReMeMaRe target included in EIP

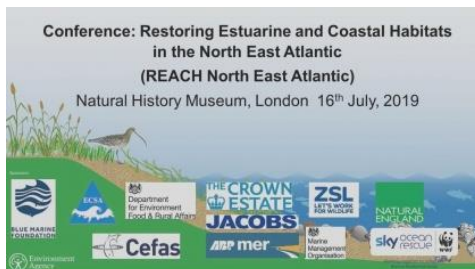
2023

ReMeMaRe Conference in Scarborough



2024

1st REACH (Restoring Estuarine and Coastal Habitats) conference at the Natural History Museum



Native oyster restoration handbook published



3 restoration handbooks launched at COP26



Joint EA / NE Restoration Principles published



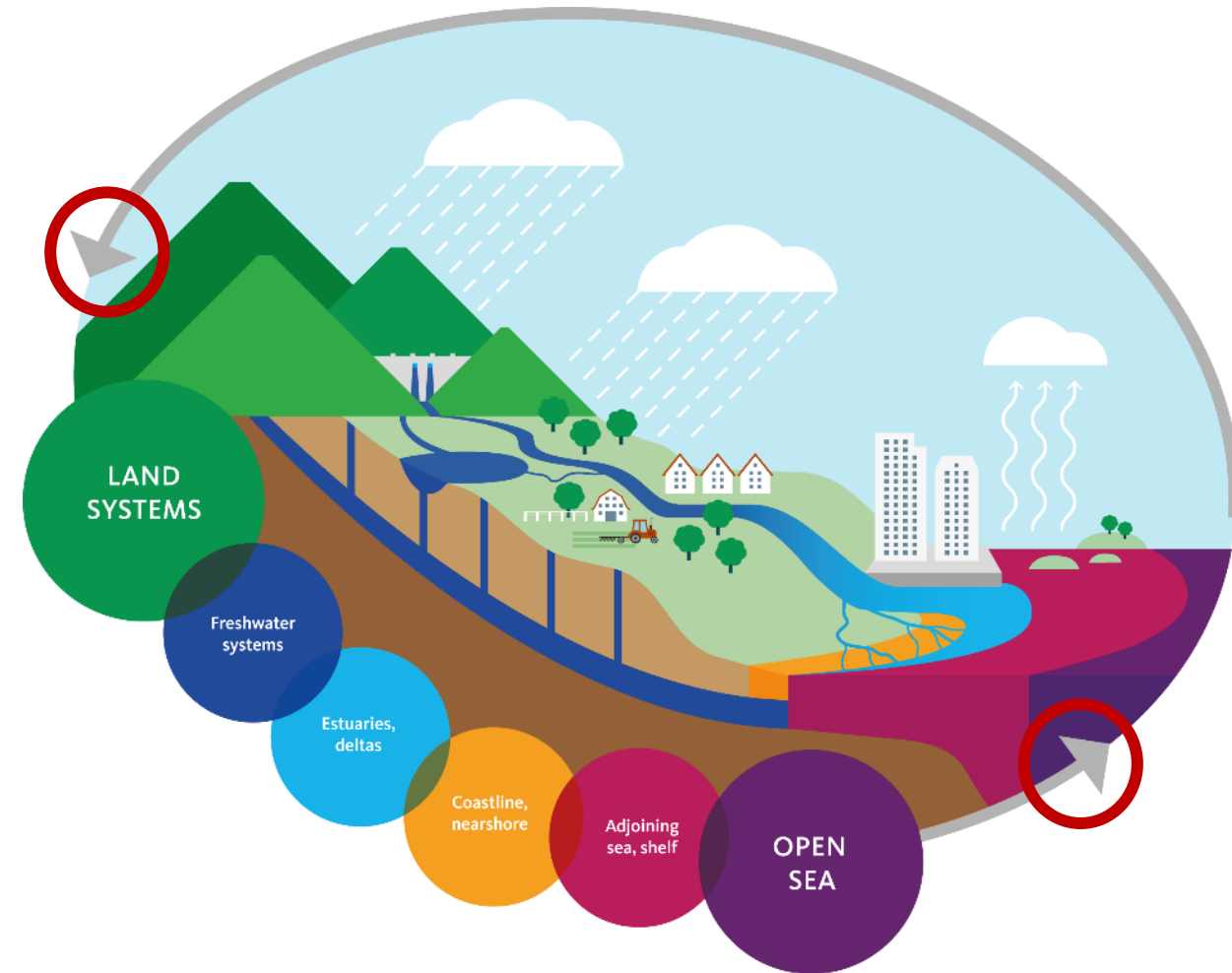
ReMeMaRe Programme Office launched

ReMeMaRe

ReMeMaRe



Source-to-sea – addressing system linkages

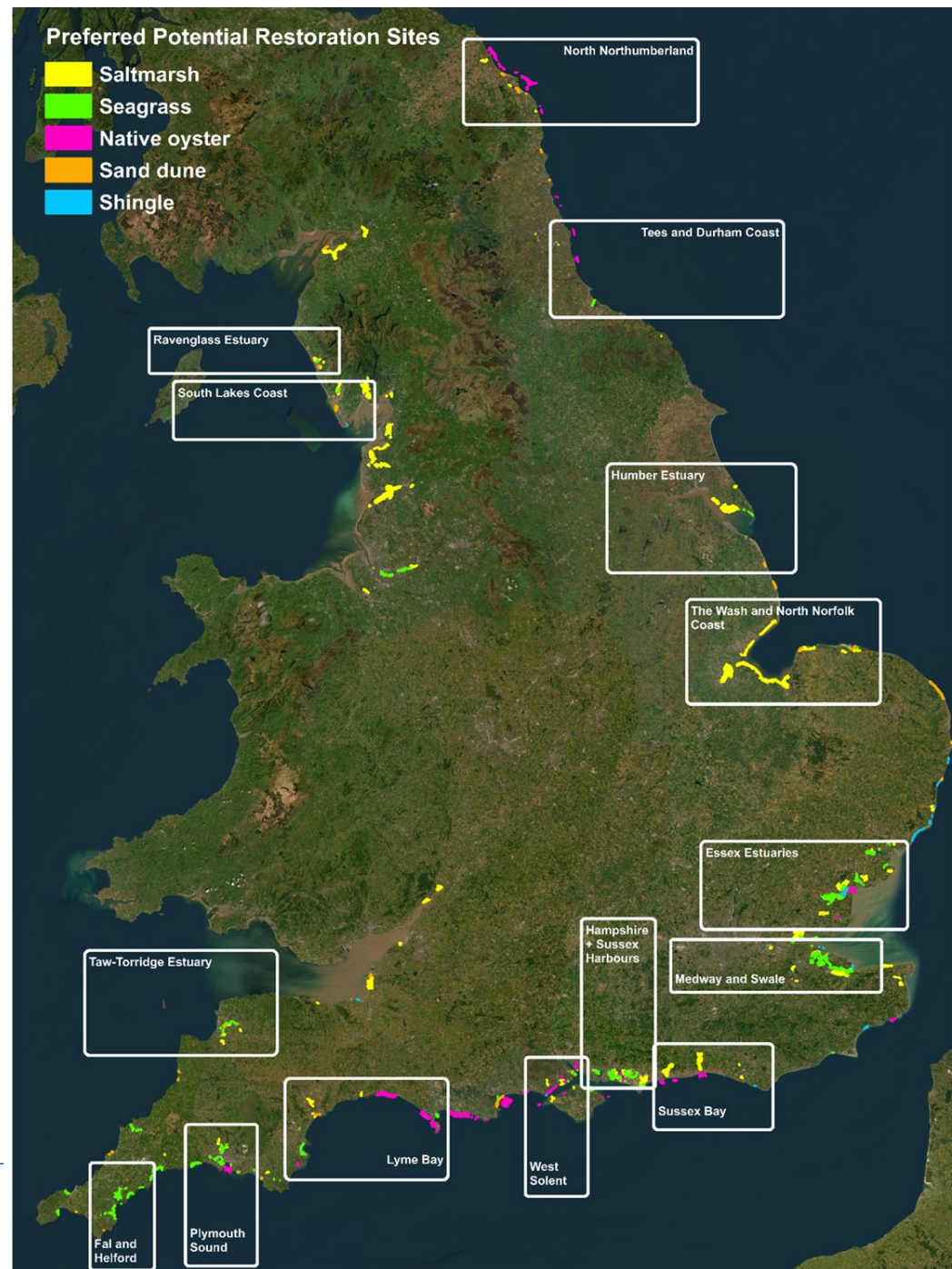


Key flows connect the source-to-sea system from land to open ocean.



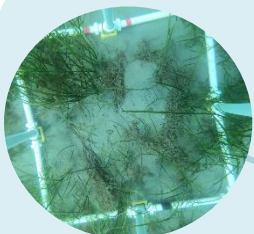
Source-to-sea management considers the entire source-to-sea system and addresses source-to-sea challenges

Preferred Seascape Restoration Potential



Natural Capital Ecosystem Assessment Programme

Monitoring



Seagrass



Saltmarsh



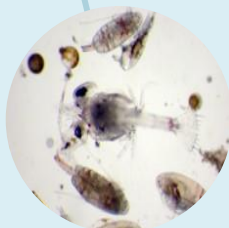
Kelp



Chemicals



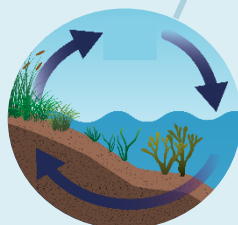
Fish



Plankton



Evidence Gathering



Nutrient
Cycling

**SALTMARSH
CODE**

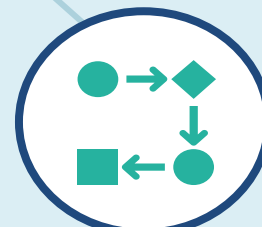


Carbon
Flux

Application



Natural Capital
Metrics &
Indicators



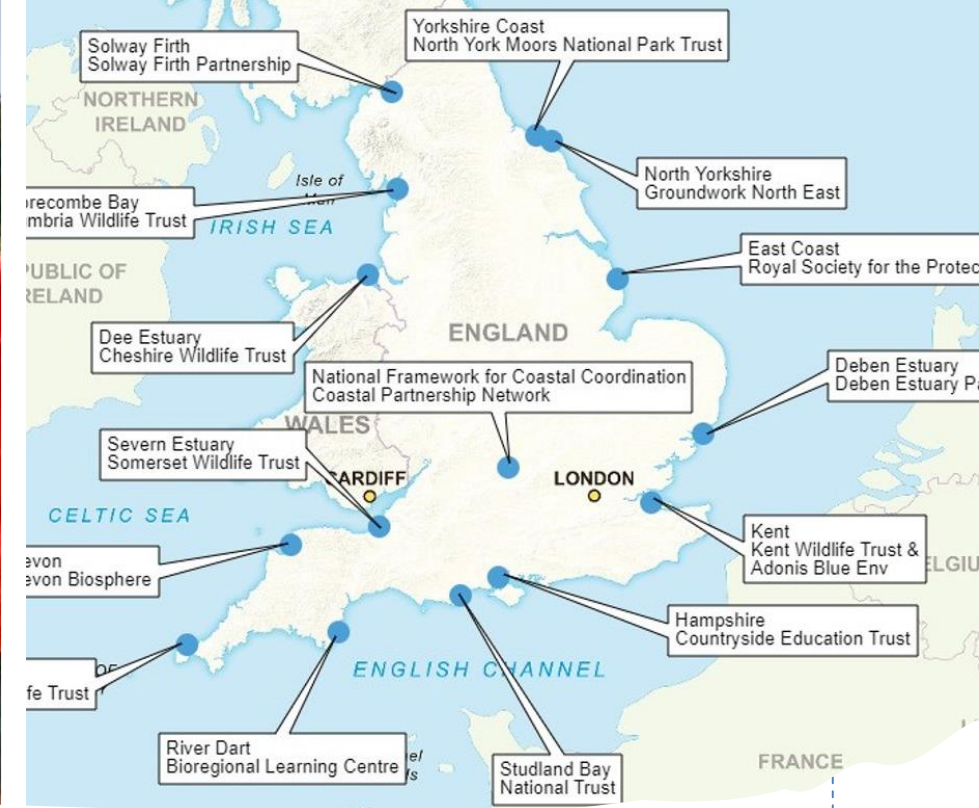
CPM* model
Development



Source to
Sea



Social
Capital



Championing Coastal Coordination (3C's)



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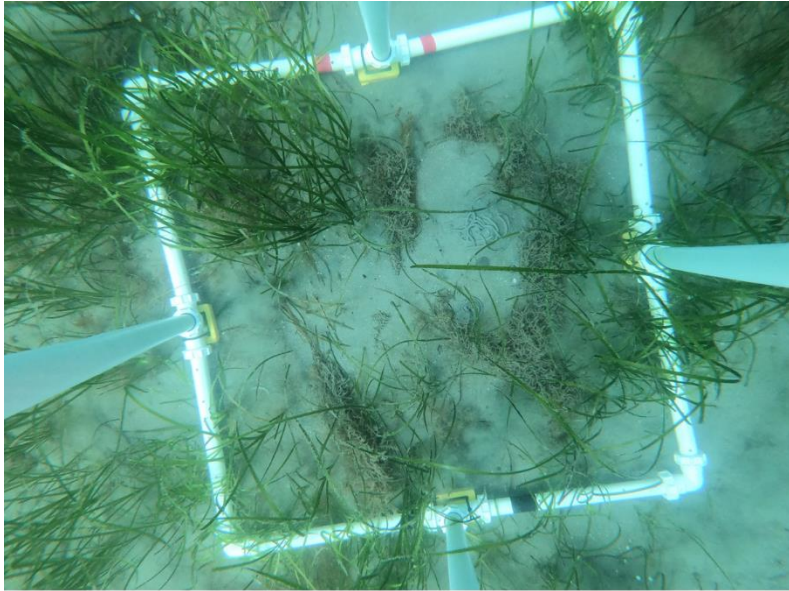
10 - 11 July, Scarborough



ReMeMaRe Programme Talk

Jo Ratcliffe,
Environment Agency

ReMeMaRe



GOPR2304



Credit: Paul Naylor

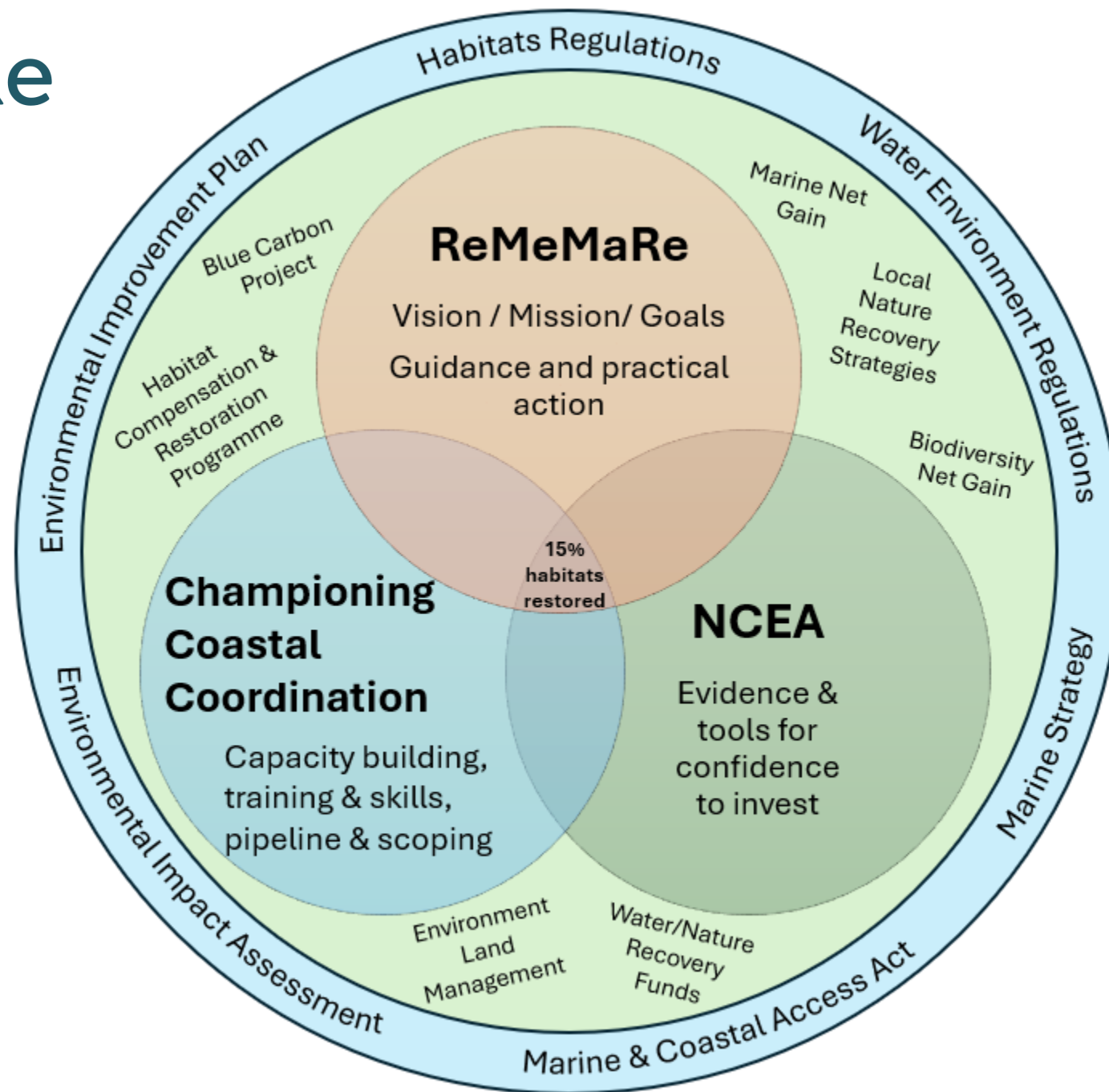
Jo Ratcliffe – ReMeMaRe Programme Office

Vision

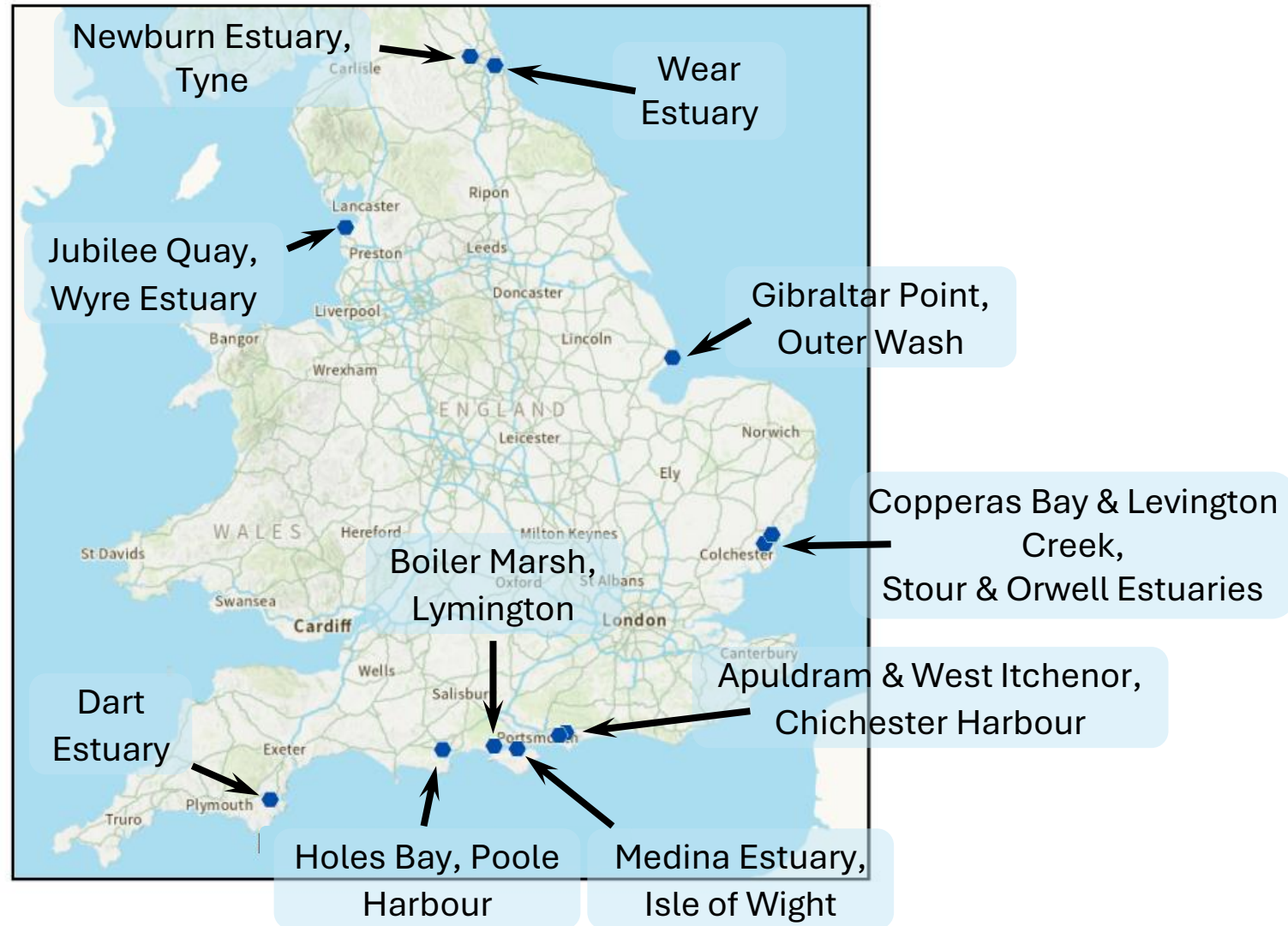
**Restored estuarine & coastal habitats that benefit people
& nature**

Mission

**Restore at least 15% of our priority habitats along the
English coast by 2043**



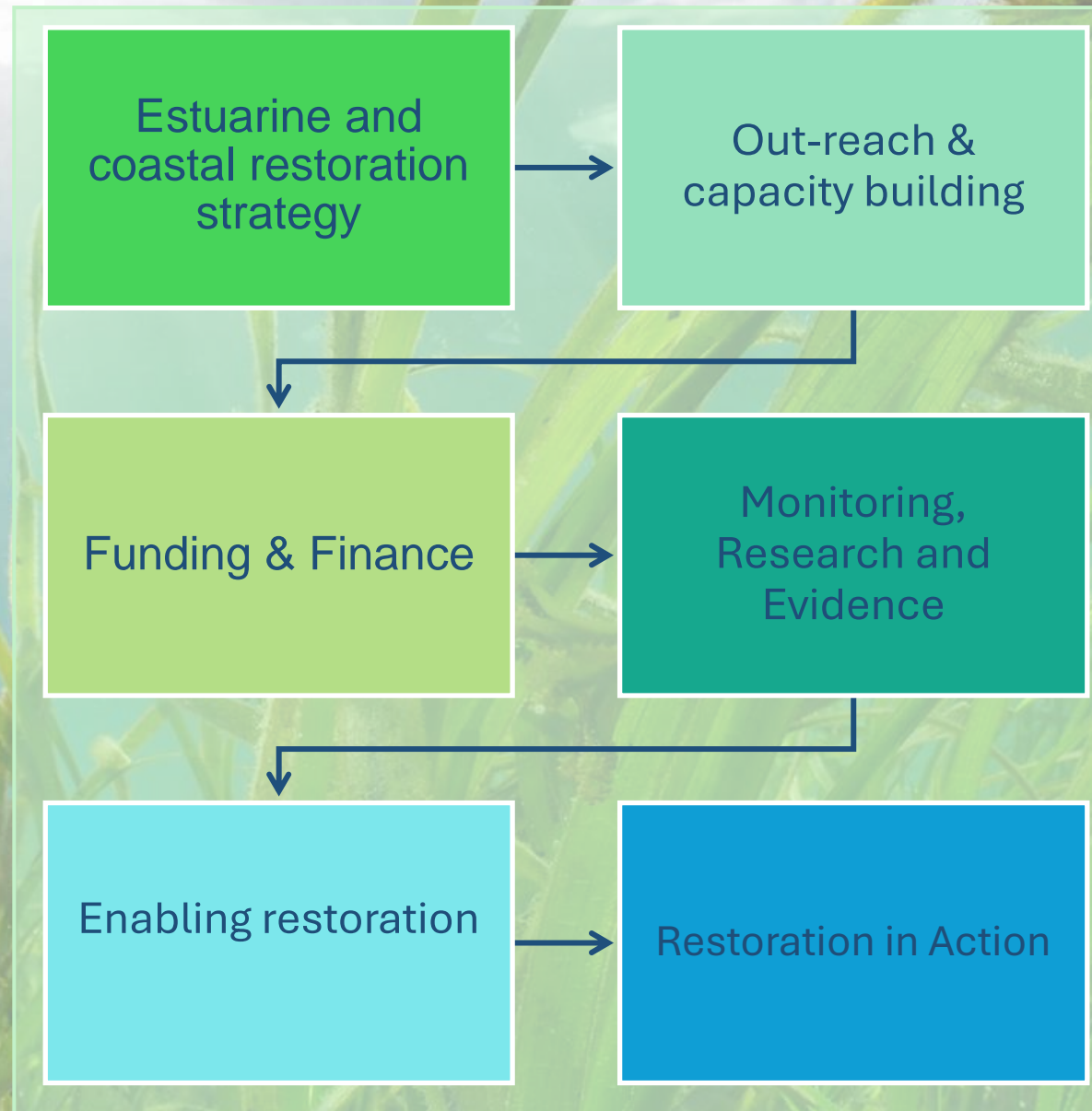
Environment Agency funded projects 2024/25



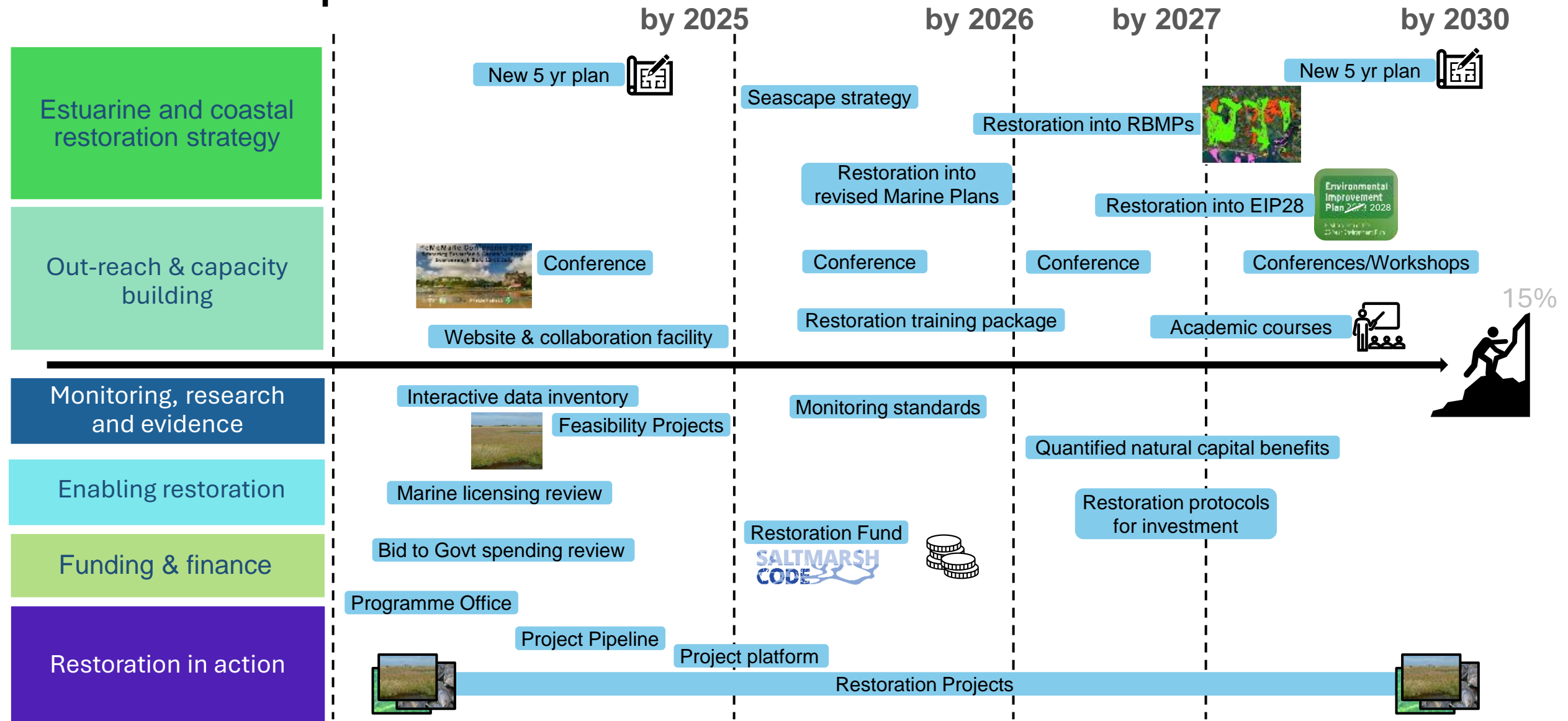
ReMeMaRe Project Pipeline

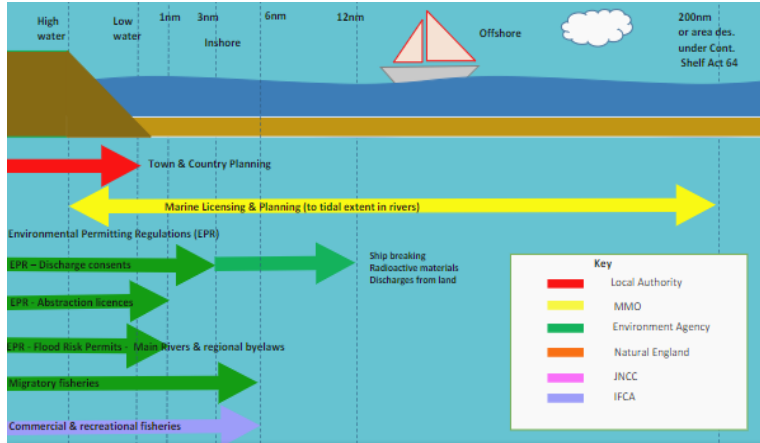


ReMeMaRe Themes



Roadmap to 2030





Sharing experiences to simplify regulatory processes



Provide data & supporting development of skills



Collaborating to secure long-term funding



Sharing of knowledge & best practice





<https://ecsa.international/rememare/restoring-meadow-marsh-and-reef-rememare>

rememare@environment-agency.gov.uk



ReMeMaRe Conference 2024

10 - 11 July, Scarborough

Day One Keynote

Duncan Vaughan,
Natural England

OCEAN &
COASTAL
FUTURES



ReMEDIES – a true story



Five stars:



Dr Duncan Vaughan
Duncan.Vaughan@naturalengland.gov.uk
[@planningseas](#)

Photo credit:
Shannon Moran. Ocean Image Bank

An underwater photograph showing a dense thicket of green and brown seaweed and coral. A white rectangular box with a thin black border is superimposed over the upper middle of the image, containing the text "Every story has an introduction...".

Every story has an introduction...

This is a true story. The events depicted in this presentation took place in Southern England between 2022-2024. Names have been changed to protect the innocent.

An underwater photograph showing a dense field of green seagrass. In the center, a small, light-colored sea anemone is visible. A white rectangular box is superimposed over the middle of the image, containing the text 'Episode 1: broke'.

Episode 1: broke

Photo credit:
Michiel Vos, Ocean Image Bank

An underwater photograph showing a large school of small, silver fish swimming in clear, turquoise water. The fish are concentrated in the upper half of the frame, with many more visible in the background. In the foreground, there is a dense patch of green seagrass with long, blade-like leaves. The seagrass is growing on a sandy bottom. The overall scene is bright and clear, suggesting a healthy marine environment.

Episode 2: fake it until you make it

Photo credit:
Michiel Vos. Ocean Image Bank

An underwater photograph showing a dense field of green seagrass. In the lower right foreground, a light-colored, multi-tentacled anemone is visible. The water is clear and blue, with sunlight filtering through from above. A white rectangular box is superimposed over the center of the image, containing the text "Episode 3: aground".

Episode 3: aground

An underwater photograph showing a sandy seabed with patches of green seagrass. Sunlight rays penetrate the clear blue water from the surface, creating a serene and natural environment. A white rectangular box is superimposed over the center of the image, containing the title text.

Episode 4: the submarine

Photo credit:
Michiel Vos, Ocean Image Bank

An underwater photograph showing a large school of small, silvery fish swimming in clear, turquoise water. In the foreground, there is a dense patch of green seagrass with long, blade-like leaves. A white rectangular box is superimposed over the middle of the image, containing the text 'Episode 5: shell game'.

Episode 5: shell game

Photo credit:
Michiel Vos. Ocean Image Bank

An underwater photograph showing a dense field of green seagrass. Sunlight filters through the water from the top left, creating a bright, hazy effect. A small, brownish crab is visible on one of the seagrass stalks. A white rectangular box is superimposed over the center of the image, containing the text 'Episode 6: the lover'.

Episode 6: the lover

Photo credit:
Michiel Vos. Ocean Image Bank



Episode 7: old dogs new tricks

Photo credit:
Shannon Moran. Ocean Image Bank

An underwater photograph showing a sandy seabed with several clumps of green seagrass. A crab is partially buried in the sand on the left side of the frame. A white rectangular box with a thin black border is centered over the image, containing the text 'Episode 8: show me the money' in a bold, white, sans-serif font.

Episode 8: show me the money

A large crab, possibly a coconut crab, is shown from a side-on perspective on a sandy seabed. The crab has a mottled brown and orange shell and large, dark claws. It is surrounded by green seaweed and other marine plants. The background is a clear blue water surface. A white rectangular box with a thin black border is centered over the crab's body, containing the text "Episode 9: field of dreams" in a bold, white, sans-serif font.

Episode 9: field of dreams



Every story has an end



Credits

[@EULIFEREMEDIES](https://saveourseabed.co.uk/LifeRemedies@naturalengland.org.uk)

Photo credit:
Shannon Moran. Ocean Image Bank



Working in Partnership with:





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10 - 11 July, Scarborough



Q&A with
Duncan Vaughan,
Natural England

Slido for extra questions
QR code or www.slido.com
Code: **4741966**





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Investing in Restoration Session

Chair: David Tudor

- **Henrietta Stock**, Aviva
- **Laura Robinson and Wave Crookes**, Seagrown
- **Sarah Brown**, Scottish Marine Environmental Enhancement Fund
- **Caroline Price**, The Crown Estate
- **Peter Barham**, Strategic Net Gain Task and Finish group and SUDG



ReMeMaRe Conference 2024

Investing in Restoration Session

Henrietta Stock, Aviva
Why we have supported marine projects
with conservation partners





Supporting marine natural capital projects

Henrietta Stock

10th July 2024



To be with you today for
a better tomorrow



The urgency of
addressing climate
change



Aviva's net zero 2040 ambition

In March 2021, Aviva set out its ambition to:

- Achieve net zero carbon emissions by 2040 for all of our emissions including from our own operations, our supply chain, our investments and our underwriting activity.
- Achieve a 25% reduction in the carbon intensity of its investments by 2025 and 60% by 2030.
- Reach Net Zero carbon emissions from its own operations and supply chain by 2030.
- To achieve Net Zero, we must offset any residual emissions by removing carbon from the atmosphere.
- That's why, when we announced our net zero commitment, we also announced £100m of funding to support projects in our core markets of UK, Ireland and Canada, which will use nature to remove carbon from the atmosphere.
- These projects aim to support the development of the market for larger scale investment in nature-based carbon sequestration projects.



What does Aviva look for in a nature project and partner?



Focus on new planting and restoration projects



Demonstrating biodiversity benefits with net gain as a minimum and aligned to Aviva's biodiversity policy



Demonstrating community benefit and access for all



Supporting our customers to become more climate resilient



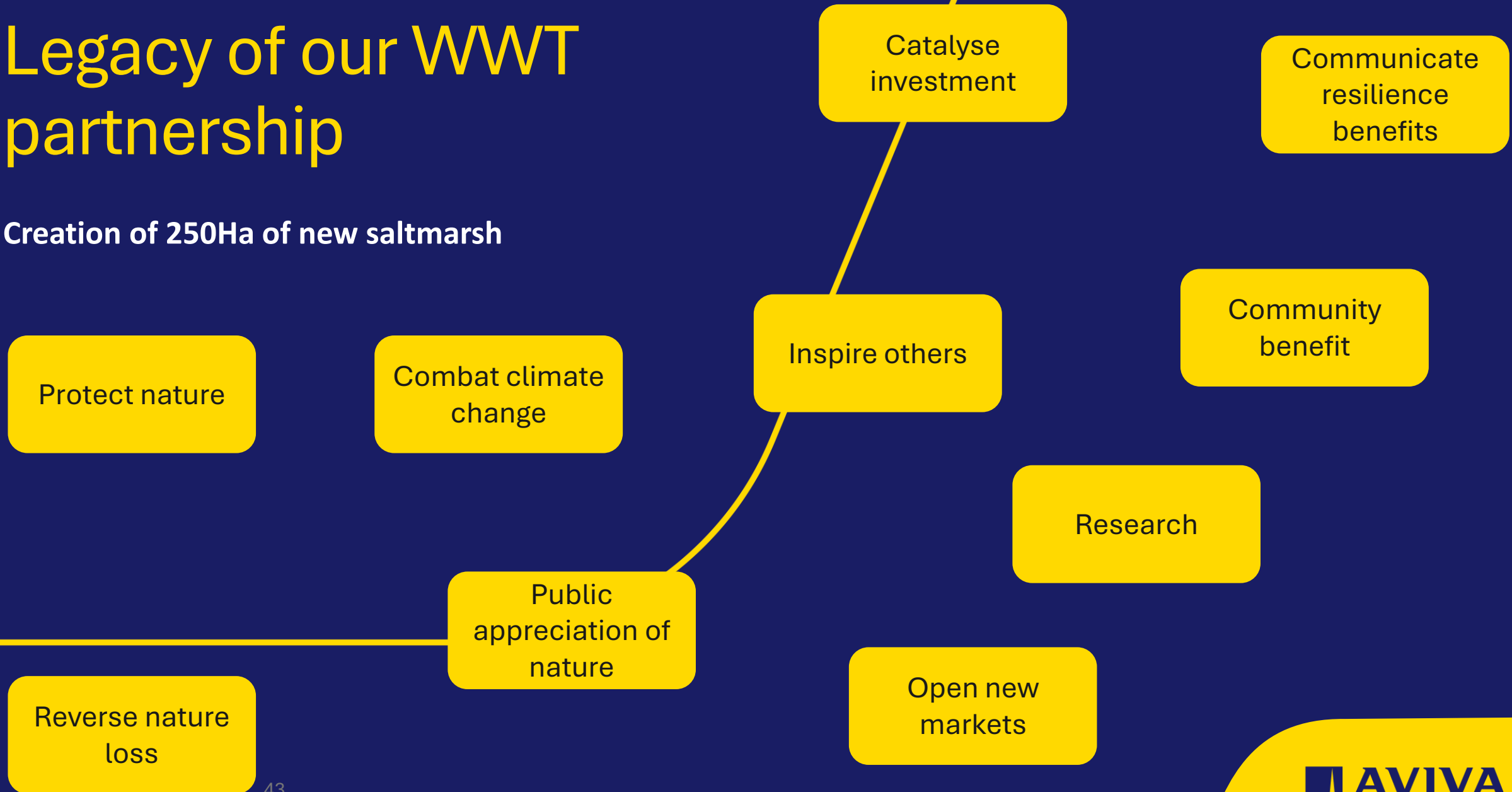
Robust certification of carbon sequestration



A clear plan for the projects to be self-sustaining in the long term to ensure long term carbon sequestration and biodiversity benefits

Legacy of our WWT partnership

Creation of 250Ha of new saltmarsh





ReMeMaRe Conference 2024

Investing in Restoration Session

Laura Robinson and Wave Crookes, Seagrown

How to drive innovation in marine restoration-
a perspective from the seaweed aquaculture
industry






SEAGROWN

Delivering **OCEAN HEALTH**

Based in Scarborough, North Yorkshire



“...if seaweed was growing over just 9% of the oceans it could remove all of the human-produced carbon in the atmosphere, replace all of our fossil fuels and sustain increased fish production to help feed our growing population...”

De Ramon N'Yeurt et al 2012



SEAGROWN

5 Seas to a successful Ocean Health solution:

- Challenges overcome
- Comprehensive solution
- Capability
- Collaboration
- Cohesive team



SEAGROWN

So Many Challenges!

- Licensing
- Finance
- Boats
- People

....growing seaweed...



SEAGROWN

It's no secret that seaweed is one of the most exciting nature-based solutions for ocean restoration

POTENTIAL

- Rapid growth & available area
- Huge production potential
- Carbon uptake
- Water quality improvement
- Biodiversity net gain
- Market growth of >£11bn by 2030

It's not the **POTENTIAL** that's the challenge.

The **CHALLENGE** is the way that most of the world's seaweed is being grown...



SEAGROWN

LONGLINE seaweed farming

- Expensive & Labour intensive
- Needs sheltered waters, which are already crowded
- Potential for wildlife entanglement
- Cannot co-locate
- Cannot be used in sensitive areas e.g. SSSI, SACs, port approaches
- Lack of social license



SEAGROWN

Backlash against longline seaweed farming



Anger over seaweed farms off north Cornish coast



Save Port Isaac Bay



EXCLUSIVE Locals and fishermen WIN war against eco-firm over plans for Britain's biggest seaweed farm after plot the size of 176 football pitches threatened to destroy views over Cornish coastline

- EXCLUSIVE: Plans pulled for 55 hectare farms off Portscatho in Cornwall
- Locals feared it would destroy fishing and affect tourism to nearby beaches
- Nearby Carne Beach was once named the second best beach in the world

We need to **THINK DIFFERENTLY** to prevent the seaweed industry from being dead in the water, and ensure we are fighting our planet's problems in the most effective way possible.



**We have developed a
Comprehensive new solution**



SEAGROWN



- Seaweed aquaculture reinvented: in-water, deck machinery, hatchery
- Can work offshore AND inshore at scale
- Can work with other marine industries
- Can be used by all sizes of workboat
- Can grow sustainable seaweed all year round

Innovated from start to end on the
Yorkshire Coast



Kelpedo gives SeaGrown the Capability to deliver

- Biodiversity Net Gain
- Nutrient uptake
- Carbon uptake
- Water quality improvement
- Habitat restoration
- IMTA (seaweed/shellfish)



SEAGROWN

Kelpedo can help SeaGrown target the restorative power of seaweed right where it is needed...

- In port, inshore, offshore
- In harmony with other marine activities
- In ecologically sensitive areas
- Scalable up or down



SEAGROWN

Cohesive Team



SEAGROWN

Collaboration



SEAGROWN

Collaboration



Department for
Energy Security
& Net Zero



Environment
Agency



Could **KELPEDO** overcome barriers to seaweed as a nature-based solution in the UK and beyond?

YES!

- Move **away** from busy nearshore areas
- **Enable coastal communities** to take the initiative, improve ocean health and life opportunities.
- **Diversify** fishers into ocean health heroes, whilst **increasing** fish and shellfish stocks.
- Produce sustainable biomass at scale, without using power, freshwater, any chemicals or even any land



S E A G R O W N



What next?

We are going after that 9%...

info@seagrown.co.uk



SEAGROWN



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Investing in Restoration Session

Sarah Brown, SMEEF

Scottish Marine Environmental Enhancement
Fund – Facilitating Business Engagement in
Nature Restoration



Scottish Marine Environmental Enhancement Fund

Enabling business to support impactful marine enhancement

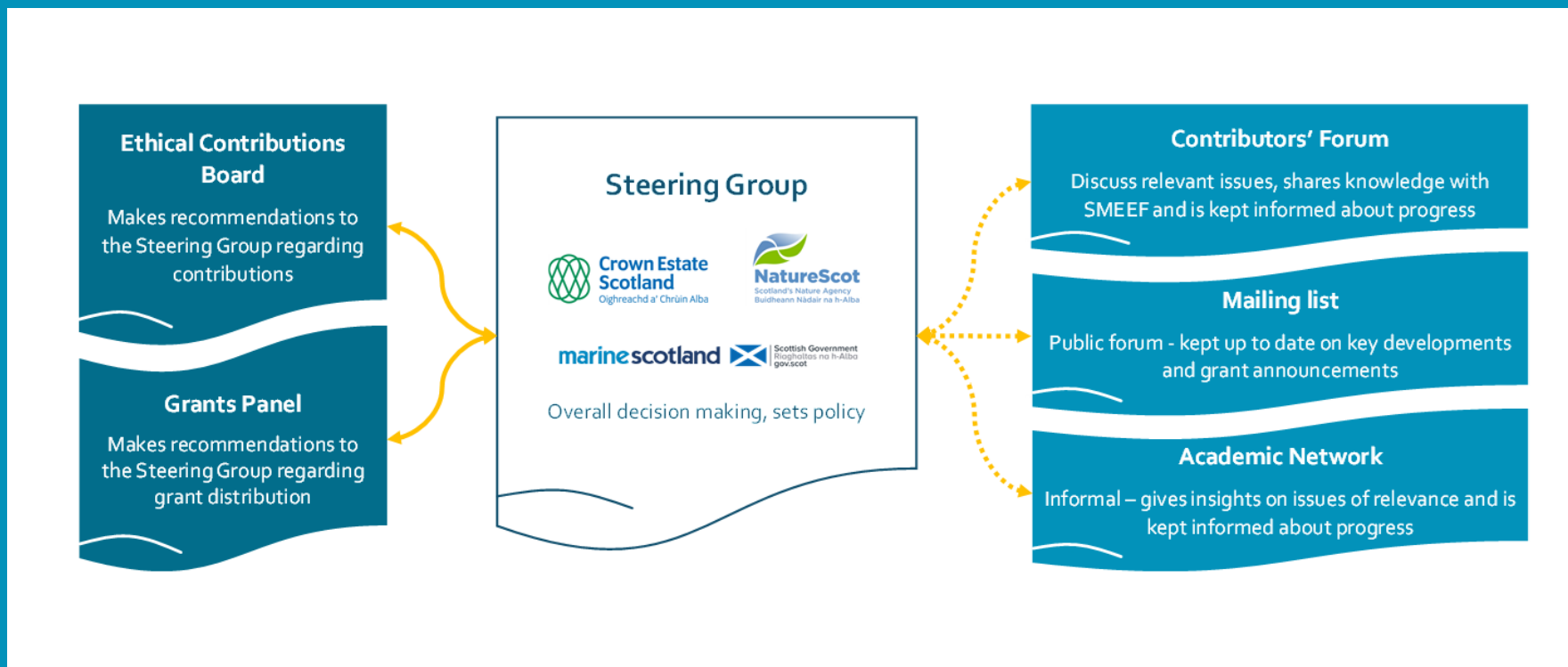


From Ambition to Reality

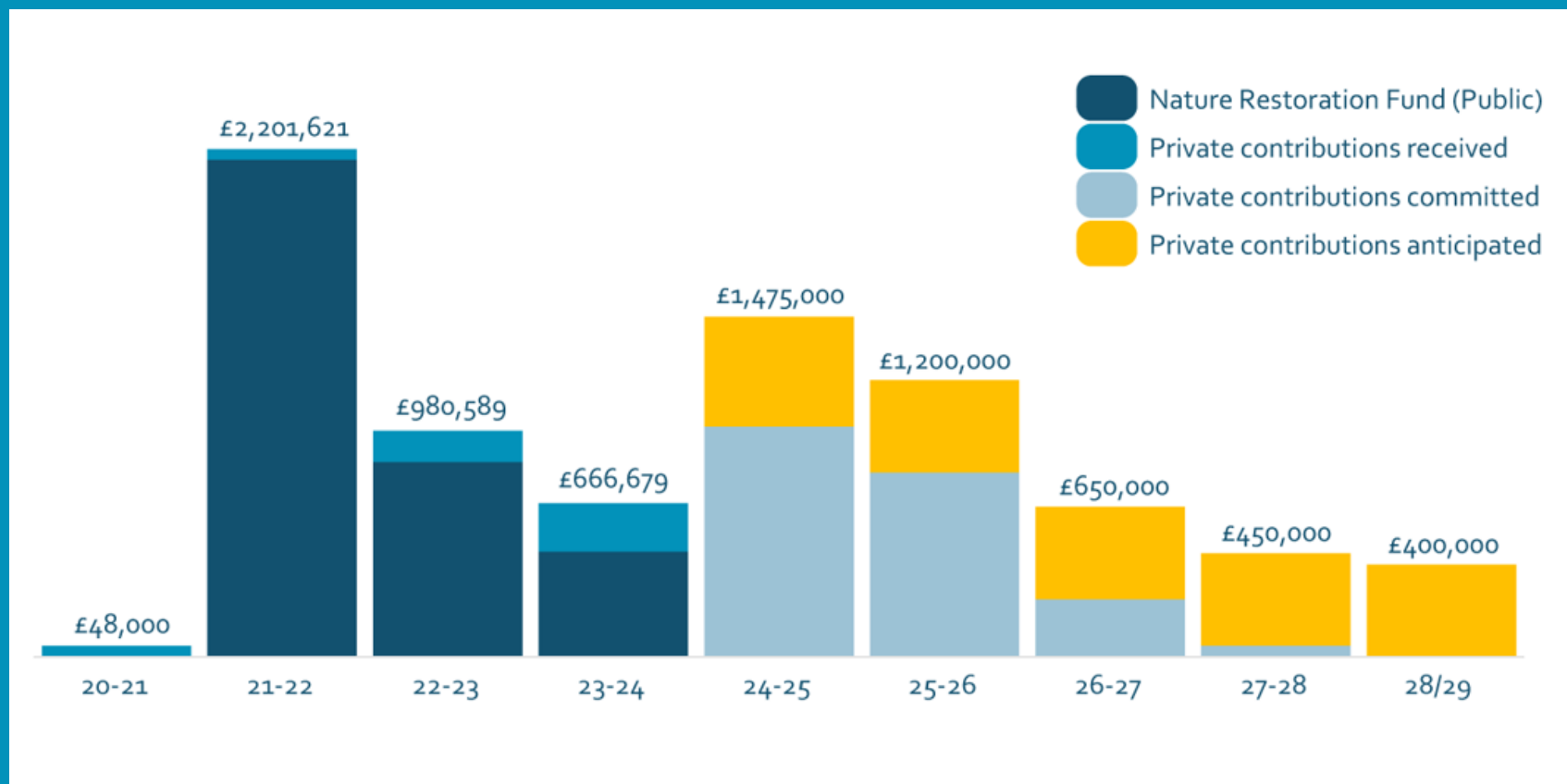
- Started with a discussion between industry, politicians and eNGOs
- 18 months development prior to formal launch in May 2022
- £3.8m of grants to 54 projects to date
- First two Impact Reports released
- £2.1m seagrass programme underway
- Soon 'always open' fund availability
- Further c£2.5m under negotiation
- Seeking **new donors!**



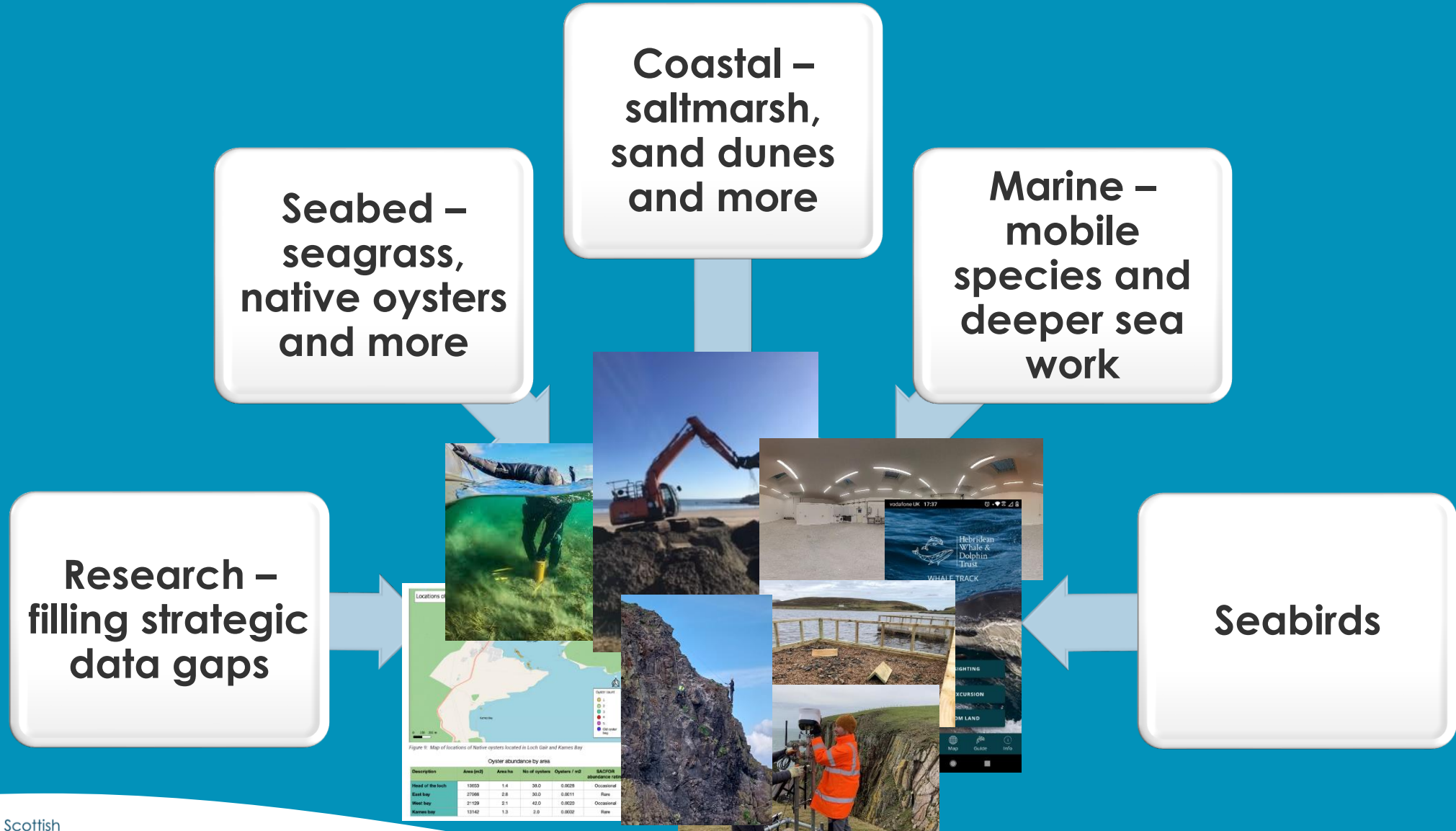
SMEEF Decision Making Structures



Sources of funding



SMEEF funds impactful projects

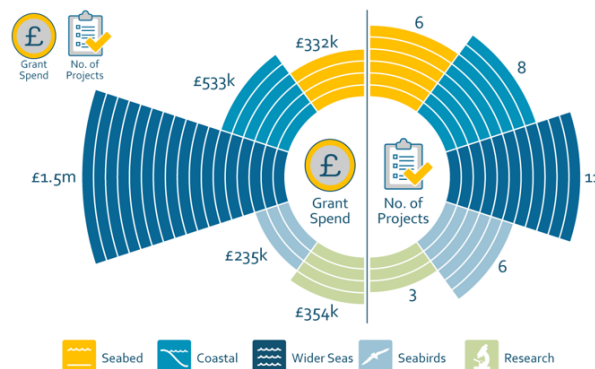


10% of donations are retained to cover core costs and administration

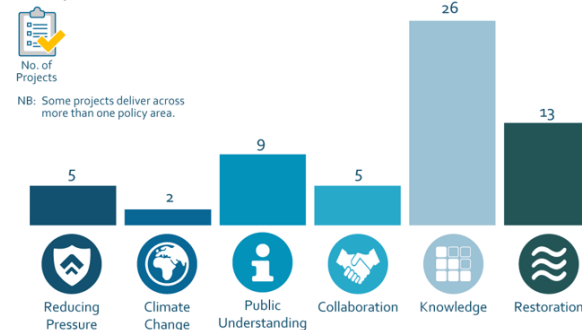
Measuring Impact - £3.8m+ for Scottish marine enhancement



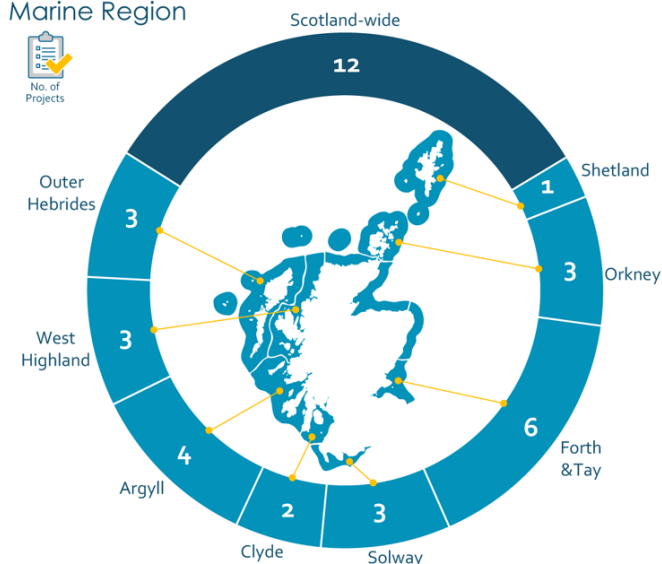
At a glance: 2021-23



Policy Priorities



Marine Region



Why do businesses donate to SMEEF

Why give at all?

- To demonstrate positive corporate ethics as part of their CSR/ESG commitments
- To test out new approaches to marine enhancement

They give to SMEEF because...

- Of our offer of strategic delivery
- Reluctance of eNGOs and communities to be directly funded
- Transparency and accountability



Contributions – Acceptance and Allocation

We aim to:

maximise donations to marine enhancement while providing the highest integrity for donors and grantees.

Due Diligence - Donors

- Standard – background checks to establish organisational viability
- Enhanced – further than 5 years if necessary
- Extended – Scope 1, 2 and 3 emission reductions and Just Transition plans.

Due Diligence – Grantees

- Credible proposals
- Expert Grants Panel
- Appropriate governance
- Support and advice
- Regular reporting
- Networking and collaboration

To learn more about this **award winning** marine enhancement nature finance programme

Please contact Sarah Brown, manager@smeeef.scot, 07717 571762

www.SMEEF.scot



Thank you to SMEEF Contributors!

Core funding and donors

Core funding comes from Crown Estate Scotland, Scottish Government's Marine Directorate and NatureScot (in-kind/hosting). In addition, SMEEF would like to thank the following corporate donors:

20/21	Red Rock Power Limited Vattenfall Wind Power Limited Scottish Power Renewables (UK) Limited Ocean Winds UK Limited
21/22	EDF Energy Renewables Limited SB Offshore Energy Limited UK Mainstream Renewable Power Limited Simply Blue Energy (Scotland) Limited RWE Renewables UK SSE Renewables Services (UK) Limited Offshore Wind Power Limited
22/23	Scottish Power Renewables (UK) Limited Orsted Power (UK) Limited Stromar Offshore Wind Farm Limited
23/24	Simply Blue Energy (Scotland) Limited Muir Mhor Offshore Wind Farm Limited Bellrock Offshore Wind Farm Limited Broadshore Offshore Wind Farm Limited Scottish Power Renewables (UK) Limited Scottish Hydro Electric Power Distribution Limited
24/25	Ossian Offshore Wind Farm Limited Stromar Offshore Wind Farm Limited





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Investing in Restoration Session

Caroline Price, The Crown Estate

Unlocking Investment - A Roadmap for
High-Integrity Marine Natural Capital Markets
in the UK



Unlocking Investment – A Roadmap for High-Integrity Marine Natural Capital Markets in the UK

ReMeMaRe Conference 2024





Dating back more than 260 years, The Crown Estate is a unique business with a diverse portfolio that stretches across England, Wales and Northern Ireland



Established by The Crown Estate Act of 1961

As an independent commercial business with accountability to Parliament.



Return our net revenue profit to the Treasury

For the benefit of the nation's finances, with £3bn generated in the last 10 years.



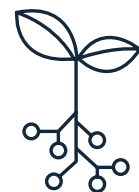
Active owners and managers of land and seabed

We are one of the UK's largest landowners, with some of the nation's most remarkable places and spaces. We seek to leverage our scale and convening power to make a meaningful difference.



Guided by a compelling purpose

To create lasting and shared prosperity for the nation



Delivering an ambitious strategy

Guided by our purpose and informed by major trends impacting our business, we seek to create broad financial, environmental and social value for our stakeholders, customers and the nation.



CROWN
ESTATE

As custodian of the marine environment, we play a leading role in sustainable development and work in partnership with others to create lasting environmental and social value for the nation



Energy

Offshore wind

Energy conversion

Marine energy



Storage

CCUS

Hydrogen

Natural gas



Infrastructure

Power & Telco Cables

Pipelines



Minerals

Reclamation

Aggregate dredging

Marine mining



Coastal

Ports and harbours

Aquaculture

Leisure

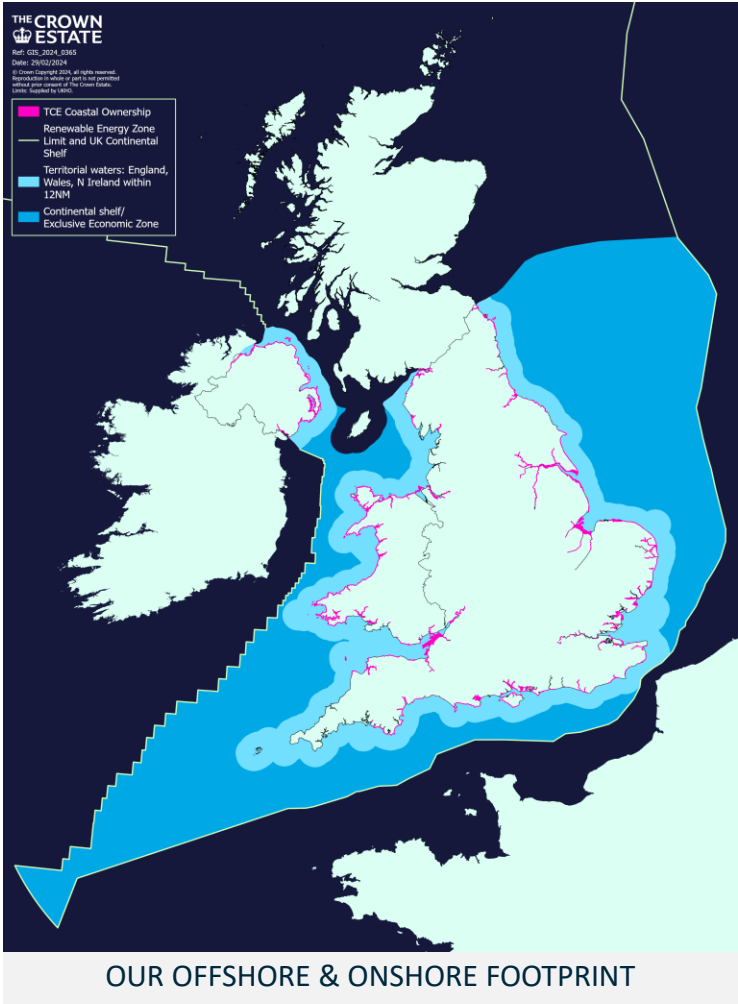


Nature

Habitat creation

Biodiversity

Restoration



OUR STRATEGIC PRIORITIES



Supporting the UK towards a net zero carbon and energy-secure future



Helping create thriving communities & supporting equality, economic growth and productivity

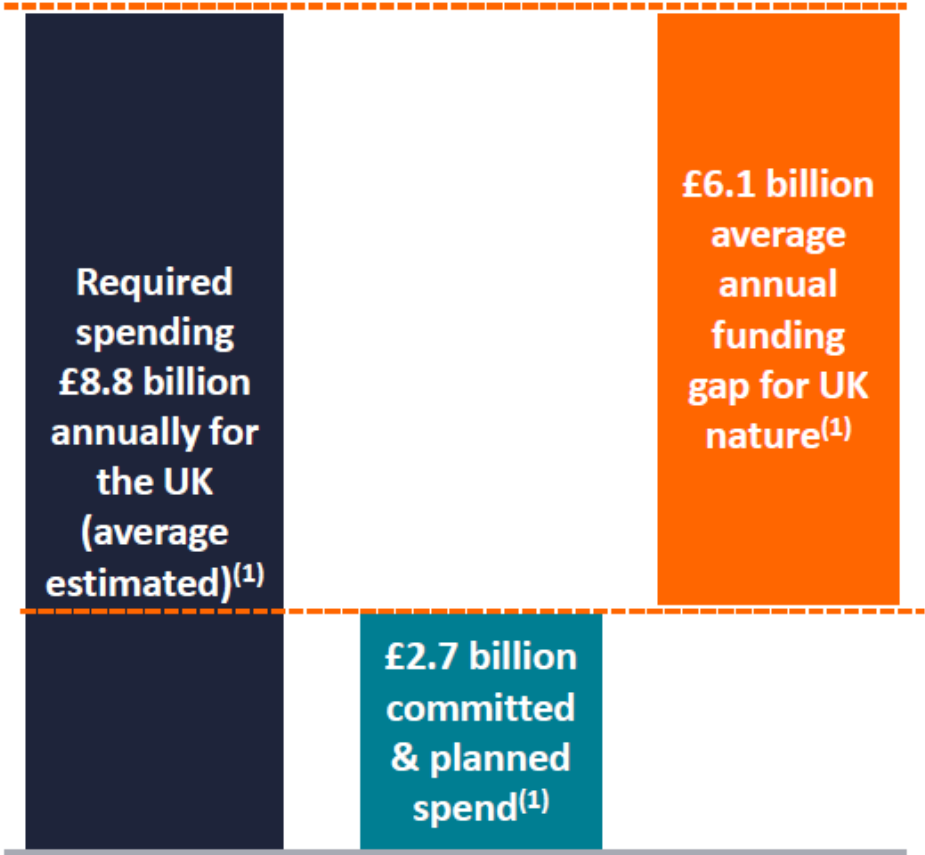


Taking a leading role in stewarding the UK's natural environment and biodiversity

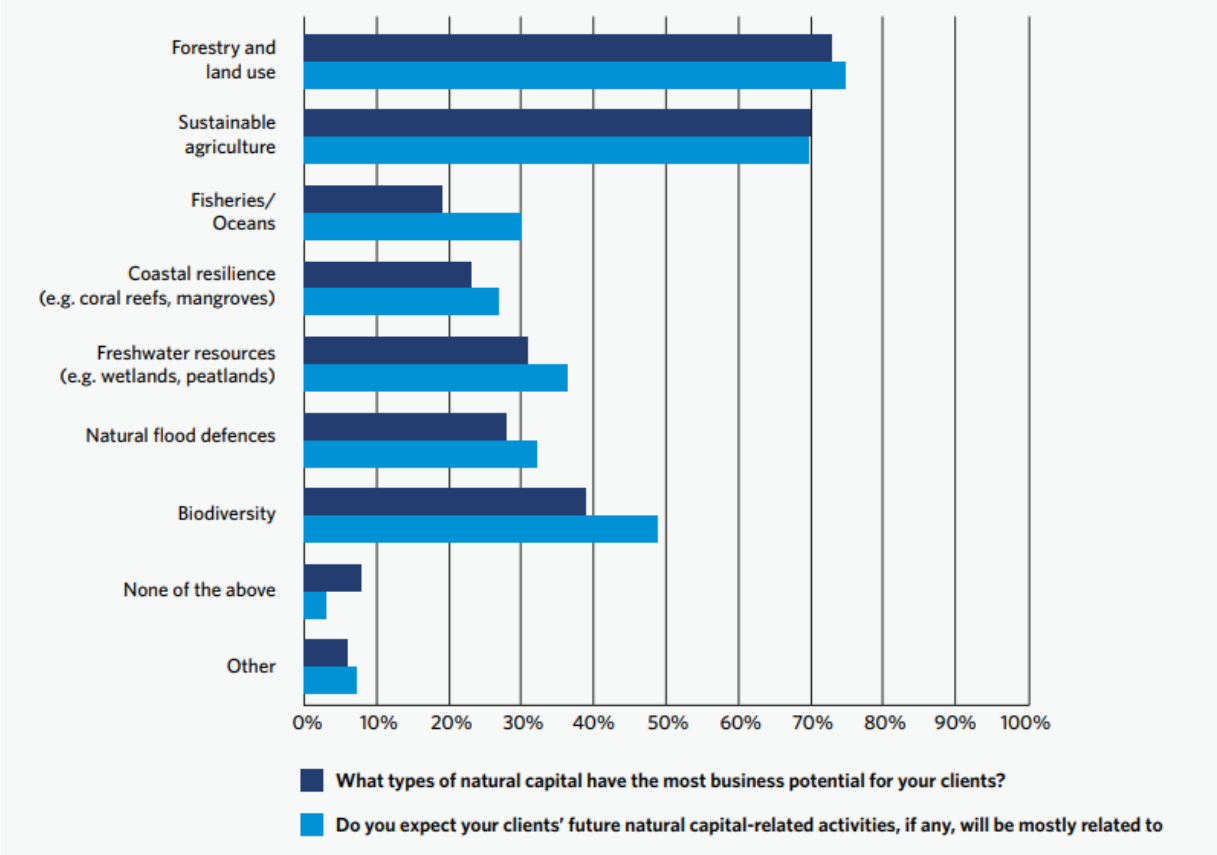


Responsibly generating value and financial returns for the country

We know that the funding gap for restoration and recovery is large – and unlocking private finance could help drive progress –investment trends indicate appetite, but marine lags behind terrestrial



¹ GFI, eftec, Rayment Consulting (October 2021).The Finance Gap for UK Nature



² The Nature Conservancy, Investing in Nature – Private finance for nature-based resilience (2019 review)

Natural Capital Markets (NCM) in the UK – progress to date

- NCM (or nature markets) offer mechanisms by which the services provided to society by natural systems can be financially captured
- Market mechanisms – built in the correct way – can help increase investment by decreasing uncertainty, spread risk and accelerate progress
- High integrity frameworks are key – no greenwashing!
- Progress in the UK has focussed on the terrestrial space, accelerated by compliance driven activity such as BNG

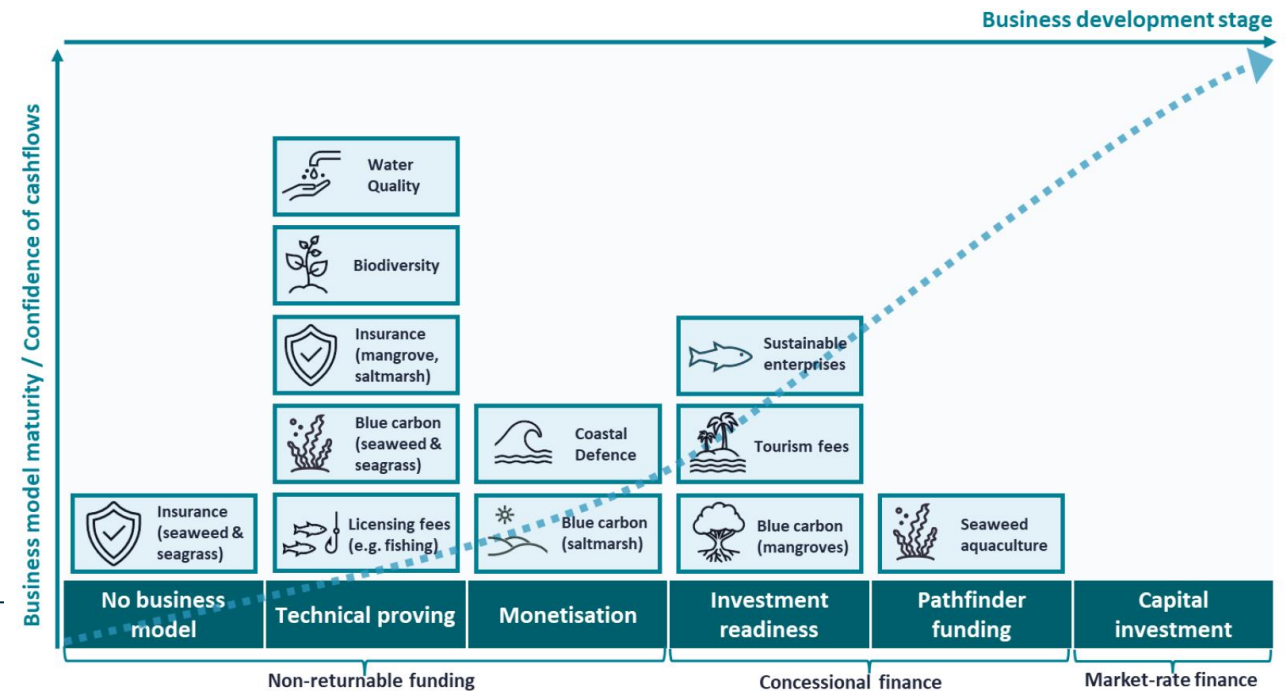


Marine Natural Capital Markets

- Opportunity in the UK to set the benchmark for equitable, transparent, high-integrity and standardised markets for marine natural capital to help reverse the decline in the UK's marine natural capital.
- Increased interest and activity around this theme however still in nascent stages – limited coherence and clarity on how they could work.
- High Integrity Marine Natural Capital Markets Roadmap initiative –build cross-sector and stakeholder consensus
- Phase 1: Engagement with range of stakeholders to **identify a consensus view on critical barriers and solutions**



[Web Version](#)



Barriers to High-Integrity Marine Natural Capital Markets (HIMNCM)

Financial



Investor confidence and understanding



Revenue stream challenges to scale marine natural capital markets



Complexity of marine ecosystems



Limitations in public funding

Science



Uncertainty around habitat extent and condition



Conservation and restoration efficacy



Lack of cross sector dialogue

Policy



Lack of demand drivers



Lack of consensus on framework to monetize marine natural capital



Lack of supporting policy and market infrastructure for blue carbon in the VCM



Marine spatial planning lacks a natural capital lens



Evolving approval process for marine natural capital projects



Lack of government resources for technical capacity building

Proposed solutions for each barrier, drawing on discussions with stakeholders from science, academia, policy, finance & eNGO communities

Developing high-integrity marine natural capital markets in the UK

Report for Consultation

Barriers	Recommendations
<div>Financial</div> <div> Investor confidence and understanding Revenue stream challenges to scale marine natural capital markets Complexity of marine ecosystems Limitations in public funding </div>	<ol style="list-style-type: none"> 1. Combine public and private capital to support pilot project development and proof of concept 2. Demonstrate the business case for bundled/stacked ecosystem services 3. Launch accelerator programmes to increase investment readiness of projects, accelerate technology, up-skill the industry, and support innovation 4. Set up a buyers alliance of corporates that are committed to high-integrity marine projects and willing to cover upfront development costs
<div>Science</div> <div> Uncertainty around habitat extent and condition Conservation and restoration efficacy Lack of cross-sector dialogue </div>	<ol style="list-style-type: none"> 1. Address evidence gaps identified by the UK Marine Evidence Partnership 2. Map the UK marine environment and generate baseline data around existing and potential future habitat ranges and restoration opportunities ensuring data is publicly available 3. Conduct local research to provide data for geographies specific to project sites 4. Create a central, publicly available warehouse for marine natural capital project data, with data collected and reported in a standardised way. This will include guidance to access existing baseline marine natural capital and opportunity mapping data sources 5. Carry out research into ecosystem services beyond carbon to enable the valuation of wider ecosystem services 6. Utilise predictive modelling tools to support management and decision-making in marine ecosystems
<div>Policy</div> <div> Lack of demand drivers Lack of consensus on framework to monetise marine natural capital Lack of supporting policy and market infrastructure for blue carbon in the VCM Marine spatial planning lacks a natural capital lens Evolving approval process for marine natural capital projects Lack of government resources for technical capacity building </div>	<ol style="list-style-type: none"> 1. Develop a cross-cutting blue economy strategy and establish a clear government lead 2. Develop more integrated marine spatial planning 3. Improve understanding of approval processes and facilitate continued dialogue 4. Direct a cross-UK programme of work to address design challenges for marine net gain 5. Accelerate processes to achieve consensus around which codes and verification standards to quantify and monetise marine ecosystem services to support marine natural capital markets 6. Incorporate marine commitments into UK NDCs under the Paris Agreement to embed marine conservation within UK's decarbonisation targets 7. Provide government funding to help develop a network of "blue natural capital labs" 8. Within Levelling Up and other economic development initiatives, focus attention on technical upskilling 9. Jointly strengthen obligations to reduce water pollution into the marine environment, while also developing market infrastructure, such as nutrient credit trading, to monetise water quality benefits delivered by restoration, conservation or mariculture interventions 10. Develop integrated policymaking, including the consideration of terrestrial environment in marine policymaking, to incorporate impacts and dependencies

CASE STUDY 1: Code fragmentation and lack of funding – the UK Saltmarsh Carbon Code

Barriers

Projects need blended finance sources to become financially viable and investable
 Variation in carbon sequestration rates across saltmarsh sites in England
 Lack of understanding and awareness from stakeholders on the benefits of saltmarshes
 Additionality risk

Solutions

Improved and increased data collection on carbon sequestration potential of saltmarsh sites across the UK to ensure robust scientific data underpinning a Code
 Demonstrate the business case for bundled and stacked ecosystem services, especially public grant funding
 Accelerate development of existing codes and standards

Project Description

Saltmarshes can play an effective role in climate change mitigation by trapping and storing carbon dioxide, as well as an important role in coastal defence and habitat creation. A project was launched to bring together key stakeholders to determine what type of code or standard development was needed to direct more finance into saltmarsh restoration and creation. The project secured a £100,000 grant from Defra's NEIRF initiative. Through the project, various gaps and barriers have been identified such as the need for public funding for the saltmarsh restoration projects to become financially viable, the variation in carbon sequestration rates across saltmarsh sites in England, and community concerns around managed realignment projects. Stakeholders have expressed reservations that saltmarsh restoration brings the sea closer to communities, creating a perceived increased risk of flooding. Further education and awareness raising is needed to showcase the benefits of natural sea defences, e.g., that they can result in avoided infrastructure costs, livelihood impacts, as well as reduced maintenance costs for sea defences.

82.

HIMNC Roadmap Initiative– Phase 2

HIGH INTEGRITY
MARINE NATURAL CAPITAL
MARKETS IN THE UK
A ROADMAP FOR ACTION



Further analysis on areas that lack consensus, identified in synthesis report.



Conduct workshops across all UK nations to identify regional priorities.



Develop agreement on prioritisation and implementation of recommendations.



Identify learnings from other countries and explore how the UK can be a pioneer.



Highlight projects under development to show opportunity for investment.



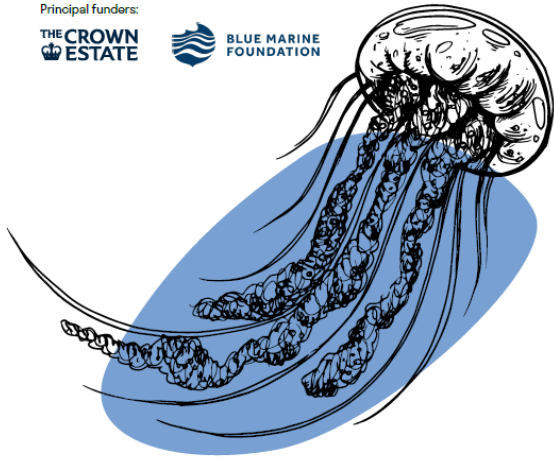
Build consensus and stakeholder buy-in around recommended actions and roles in a detailed roadmap.

HIMNCM Roadmap Initiative – Engagement was key!

UK Steering Group



Principal funders:
THE CROWN
ESTATE



HIGH INTEGRITY MARINE NATURAL CAPITAL MARKETS IN THE UK A ROADMAP FOR ACTION

Developed by:



Also funded by:



[Web Version](#)

BARRIER	RECOMMENDATION
Lack of consensus on prioritisation of target areas and approved methods for habitat conservation and restoration	RECOMMENDATION 1 Identify priority opportunities and approved methods for marine and coastal conservation and restoration
Limited track record of pilot projects to prove efficacy of restoration methods, revenue streams and the business case for marine and coastal ecosystem services and lack of systematic monitoring over the long term to define successes and failures	RECOMMENDATION 2 Deliver seascape-scale natural capital projects through combined public and private funding
Lack of demand drivers and obligations to pay for marine ecosystem services	RECOMMENDATION 3 Implement policy and regulatory requirements to drive demand for marine natural capital
Nascent and fragmented nature of existing marine codes and insufficient funding for their development	RECOMMENDATION 4 Accelerate the development of UK-wide codes for marine and coastal ecosystem services
Key data and evidence gaps including extent and condition of habitats, impacts of human activities and benefits from ecosystem services	RECOMMENDATION 5 Address critical evidence gaps for the development of marine natural capital markets
Data is held in multiple overlapping depositories, is often poorly managed and organised and can be of varying quality	RECOMMENDATION 6 Develop publicly accessible and standardised approaches to data collection, hosting and monitoring
There is currently a shortage of key skills and knowledge to deliver marine natural capital projects and at scale	RECOMMENDATION 7 Build the necessary skills and capacity to harness marine natural capital opportunities

YEAR	ACTIONS	LEAD STAKEHOLDERS ¹¹
2025	Identify clear government leads to agree on priority areas for marine and coastal protection and restoration	Governments
	Collate existing opportunity mapping initiatives	Governments, Landowners, Third Sector
	Progress ongoing marine spatial planning processes including greater consideration of natural capital in decision making	Governments
2026	Identify near-term priority areas for conservation and restoration projects	Governments, Landowners, Third Sector, Academia, Private Sector
	Engage communities to confirm support for spatial prioritisation and iterate priority areas based on feedback	Governments, Private Sector, Landowners, Third Sector
2027	Publicly communicate opportunity mapping of priority areas for conservation and restoration	Governments, Third Sector
	Collate, approve and promote restoration methods published in a "library" of methods	Governments

YEAR	ACTIONS	LEAD STAKEHOLDERS
2025	Conduct a data audit to identify existing decision-useful data, responsive to private sector requirements and clarify remaining priority data gaps	Third Sector, Governments, Academia: UKBCEP, UK Blue Carbon Forum, Scottish Blue Carbon Forum, Seascape Restoration Network, Governments, Universities
2026	Deliver research funding with clear requirements to contribute to a shared evidence base while preventing duplication of data	Private Sector, Governments: Academic Grant Funders
	Structure leasing requirements to collect natural capital data and contribute to a shared evidence base	Landowners
2030	Deliver multi-disciplinary research to address key evidence gaps, prioritising needs articulated by the UKBCEP and supporting opportunity mapping	Third Sector, Governments, Academia: UKBCEP, Governments, Universities

HIGH INTEGRITY MARINE NATURAL CAPITAL MARKETS IN THE UK: A ROADMAP FOR ACTION

Principal funders:



RECOMMENDATION 1

Identify priority opportunities
& approved methods for marine & coastal conservation & restoration



RECOMMENDATION 2

Deliver seascape-scale natural capital projects through combined public & private funding



RECOMMENDATION 3

Implement policy & regulatory requirements to drive demand for marine natural capital



RECOMMENDATION 4

Accelerate the development of UK-wide codes for marine & coastal ecosystem services



RECOMMENDATION 5

Address critical evidence gaps for the development of marine natural capital markets



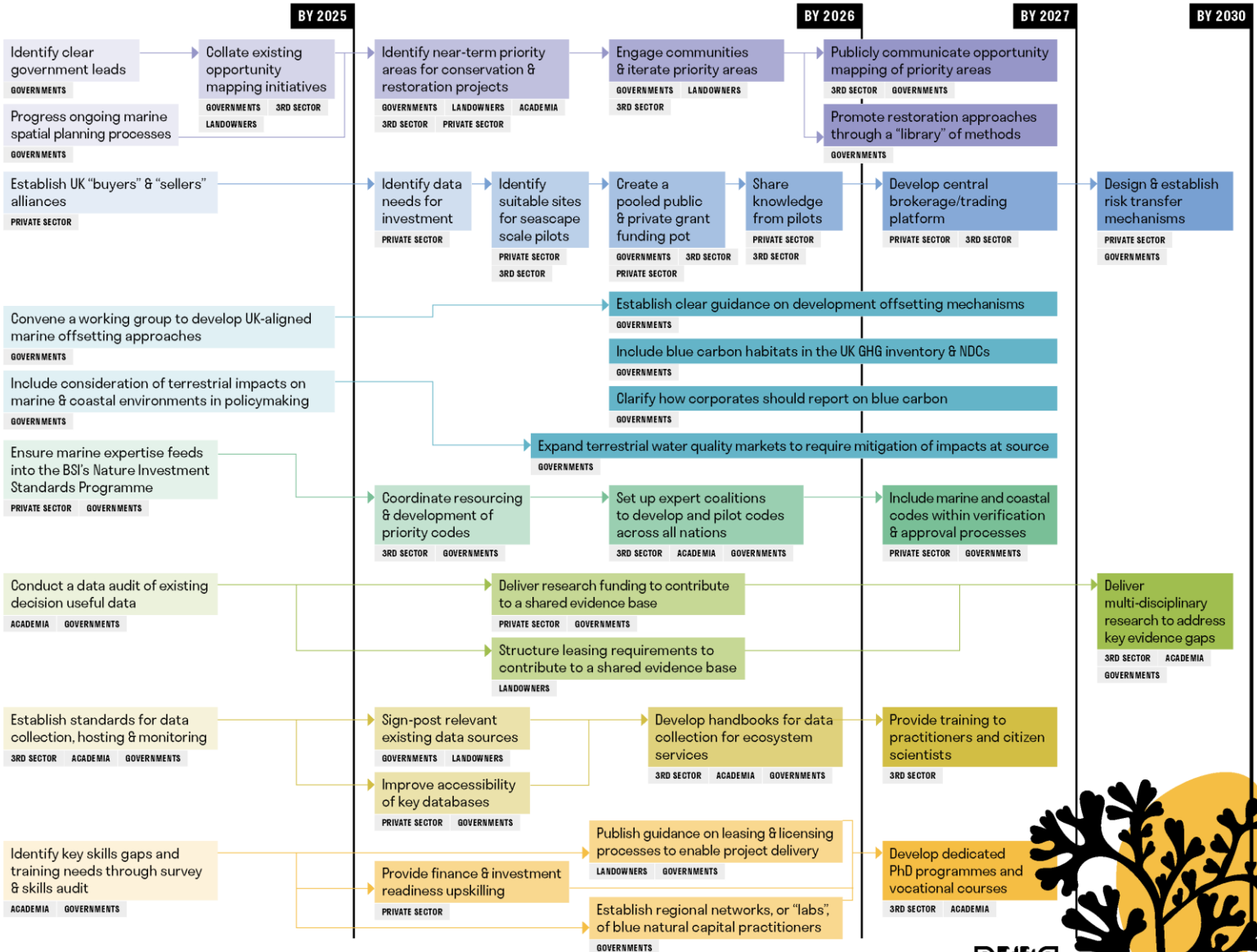
RECOMMENDATION 6

Develop accessible, standardised approaches to data collection, hosting & monitoring



RECOMMENDATION 7

Build the skills & capacity to harness marine natural capital opportunities

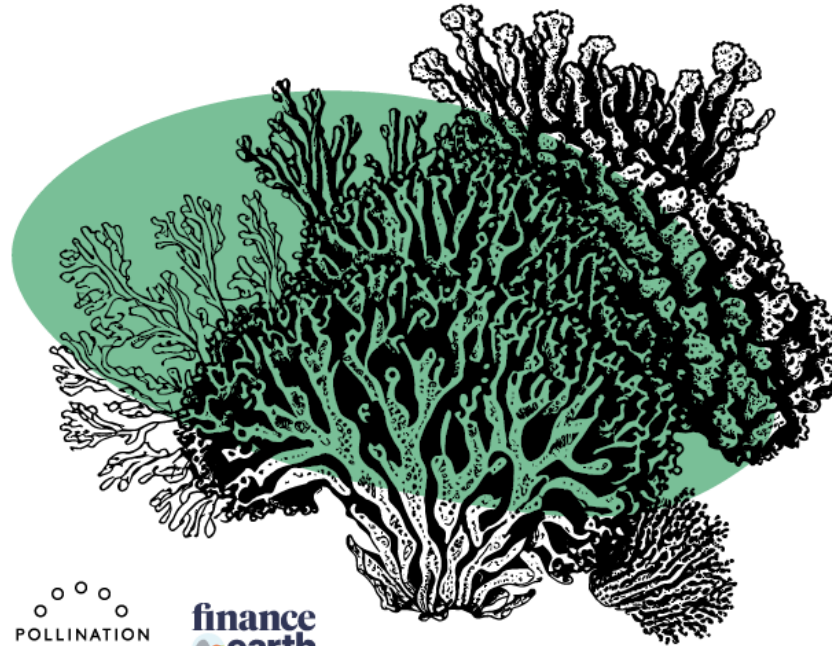


HIMNCM – What next?

- Multiple actions underway progressing many of the recommended areas
- Aim to continue coordination across the UK to help drive synergies whilst recognising specific context of each nation
- Promote complimentary activities by sharing knowledge and raising awareness of relevant workstreams (minimise duplication)
- Seek to track [report on?] progress over time and share updates to interested stakeholders
- Continue to work in collaboration with diverse stakeholders to build on progress made so far
- We look forward to your partnership in developing HIMNCM in the UK!



HIGH INTEGRITY MARINE NATURAL CAPITAL MARKETS IN THE UK **A ROADMAP FOR ACTION**



View the full
report online:





ReMeMaRe Conference 2024

Investing in Restoration Session

Peter Barham, Strategic Net Gain Task and Finish group and SUDG

How can we ensure that the statutory obligation of delivering Net Gain as part of development can have the best outcome for coastal and marine recovery and restoration?

Net Gain: A major opportunity for marine restoration



ReMeMaRe Conference, Scarborough

Peter Barham

Chair, Seabed User and Developer Group

www.sudg.org.uk

Current situation

- Environment needs protecting and improving
 - CLIMATE CRISIS
 - BIODIVERSITY CRISIS

We need to address both.

- Marine industries make a significant contribution to:
 - The UK economy
 - Addressing Climate and meeting Net Zero
 - Huge opportunity to **assist** recovery



Current situation

- Marine industries have universally welcomed net gain
- Marine industries have strong experience in delivering environmental solutions
- We must learn to distinguish between compensation and net gain
 - Differing legislation
 - Net gain as a real opportunity
- Net Gain Regulation should be proportionate and targeted to deliver real restoration and recovery



Net Gain and SUDG - where are we?

- **Biodiversity net gain (BNG)**
 - Down to mean low water became a statutory obligation in February
 - Complex metric
 - Early days – little experience
 - Need to share experience and good practice

**We need innovation not restrictive
bureaucracy**



Net Gain and SUDG - where are we?

- **Marine Net Gain**
 - Still being developed
 - Defra commissioning work
 - Possible frameworks
 - Economic aspects/opportunities
 - Simpler metric?
 - Agreed targets



Strategic targets for net gain

- Funded by OWEC
- Task and Finish Group
 - SUDG, RSPB, Wildlife Trusts, NE, Defra, TCE

Outputs

1. widely agreed targets based on:
 - Calls for evidence
 - Recognised failures eg MSFD
2. how can existing experience help in delivering targets

Next steps: local 'pilot studies' East marine plan area.



Net Gain – where are we now?

- Marine industries support net gain –
 - We need to maintain that positive support
- Net gain should be a real opportunity to help deliver restoration
 - Huge financial contribution to deliver real targets
 - Not packages of ‘greenwash’
- Best done through innovation, not complex regulation
- Better to collaborate on how to plan and deliver net gain

The importance of partnership working



Summary

- SUDG industries are critical to marine and UK economy
- The environment needs protecting, but also needs restoring
- Industry can help through net gain and delivery of agreed strategic targets
- Use these targets to determine direction and delivery of net gain
- We need actions for conservation not complex regulation
- We will do more if we all work together and in partnership with initiatives such as ReMeMaRe



ReMeMaRe Conference 2024

Panel Discussion, Chair: David Tudor

- **Henrietta Stock**, Aviva
- **Laura Robinson and Wave Crookes**, Seagrown
- **Sarah Brown**, Scottish Marine Environmental Enhancement Fund
- **Caroline Price**, The Crown Estate
- **Peter Barham**, Strategic Net Gain Task and Finish group and SUDG

Slido for extra questions
QR code or www.slido.com
Code: **4741966**

