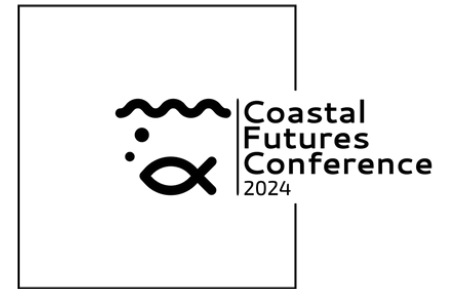




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Welcome

Dr David Tudor *on behalf of the OCF team*

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Opening Address

Sally-Ann Hart MP

Chair of the Coastal Communities
and Oceans All Party
Parliamentary Groups

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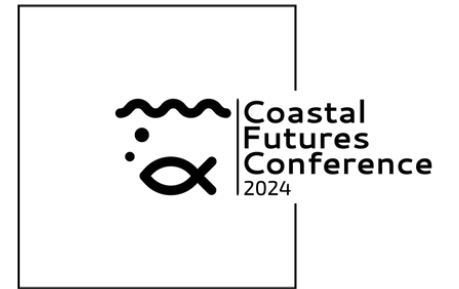


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Keynote

Yvette Curtis

Equity Diversity and Inclusion
Manager, Surfers Against Sewage

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Ocean Advocates Everywhere

The importance of ensuring all voices stand
together for the future of our ocean



Yvette Curtis
Equity, Diversity & Inclusion Manager

Agenda

- Who is in the Room?
- Actions
- British Overseas Territories
- How we change the narrative?
- Think Globally, Act Locally
- Conclusion



Who is in the Room?

The RACE Report 2022 shows the **racial diversity gap** between the UK working population and staff in environment, conservation, climate and sustainability charities.



*Source: Office of National Statistics, Annual Population Survey 2021-22, non-white identities [n.b terminology replicated from ONS data export]

**Source: RACE Report 2022 overall staff data, POC and racially/ethnically minoritised groups.

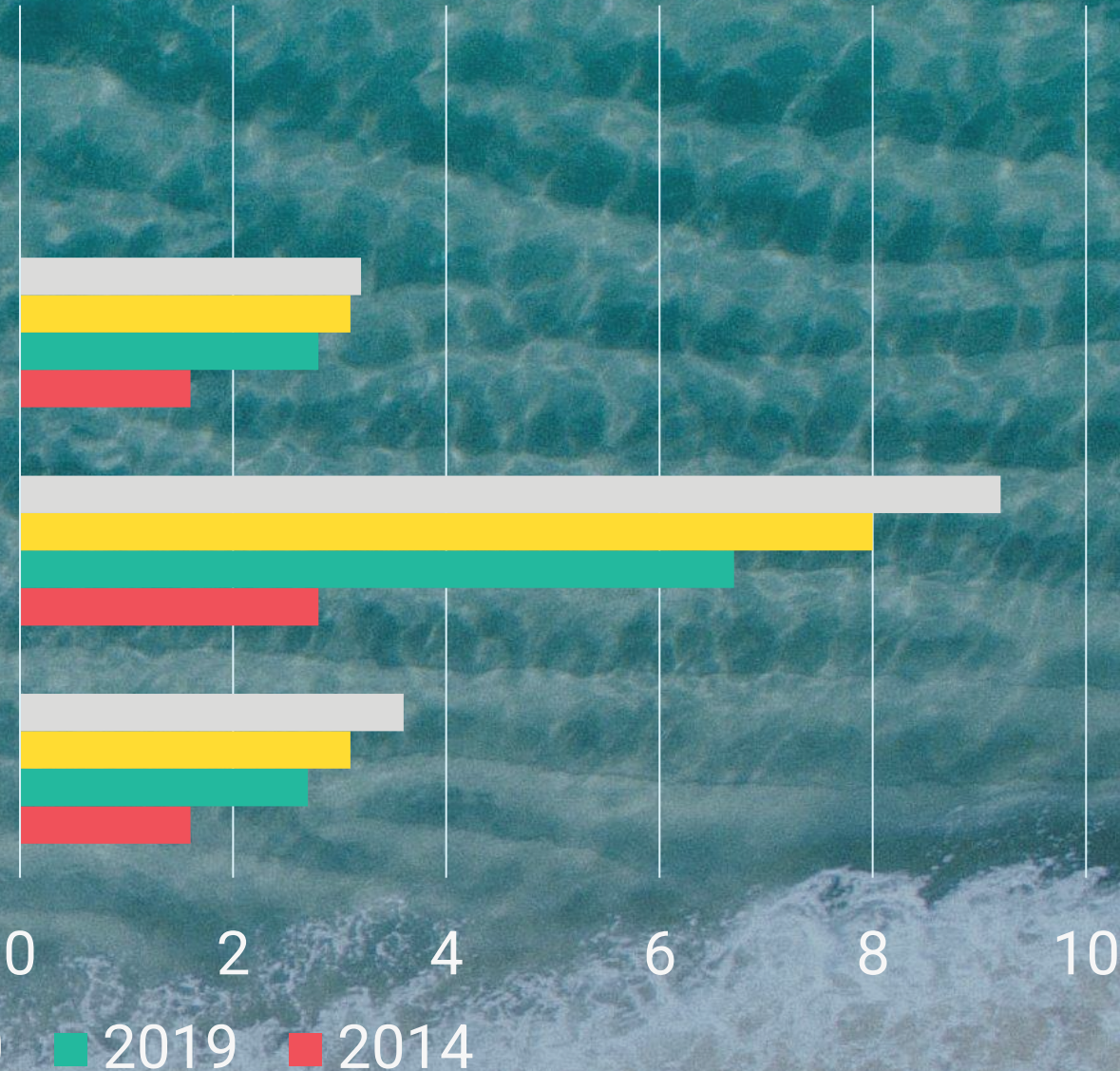


ONS Data for UK respondents identifying as Lesbian, Gay or Bi-sexual

Diverse Ethnic Communities identifying as LGB (includes Black, Black British, Asian, Asian British. Other multiple...

Aged 16-24 identifying as LGB

UK Population over 16 identifying as Lesbian Gay or Bi-sexual (%)



All the “isms”

- Ableism
- Ageism
- Sexism
- Racism
- Changing world
- Movement
- Communication



Who ISN'T in
the room?



Actions

- **Internal audit**
- **Policy review**
- **Outward facing resource review**
- **Audience/Membership review**
- **Partnerships evaluation**
- **Communications**
- **Training**
- **Internal cultural assessment (anonymous)**
- **Listening**



British Overseas Territories

- 14 overseas territories
- Over 3 million km² of British waters worldwide are designated MPA's
- 7 countries have established 80% of the oceans MPA's
- The largest 10 MPAs are established by only 4 countries, UK, USA, Australia and France
- "GLOBAL COVERAGE REQUIRES GLOBAL COMMUNITY"



How we can change the Narrative



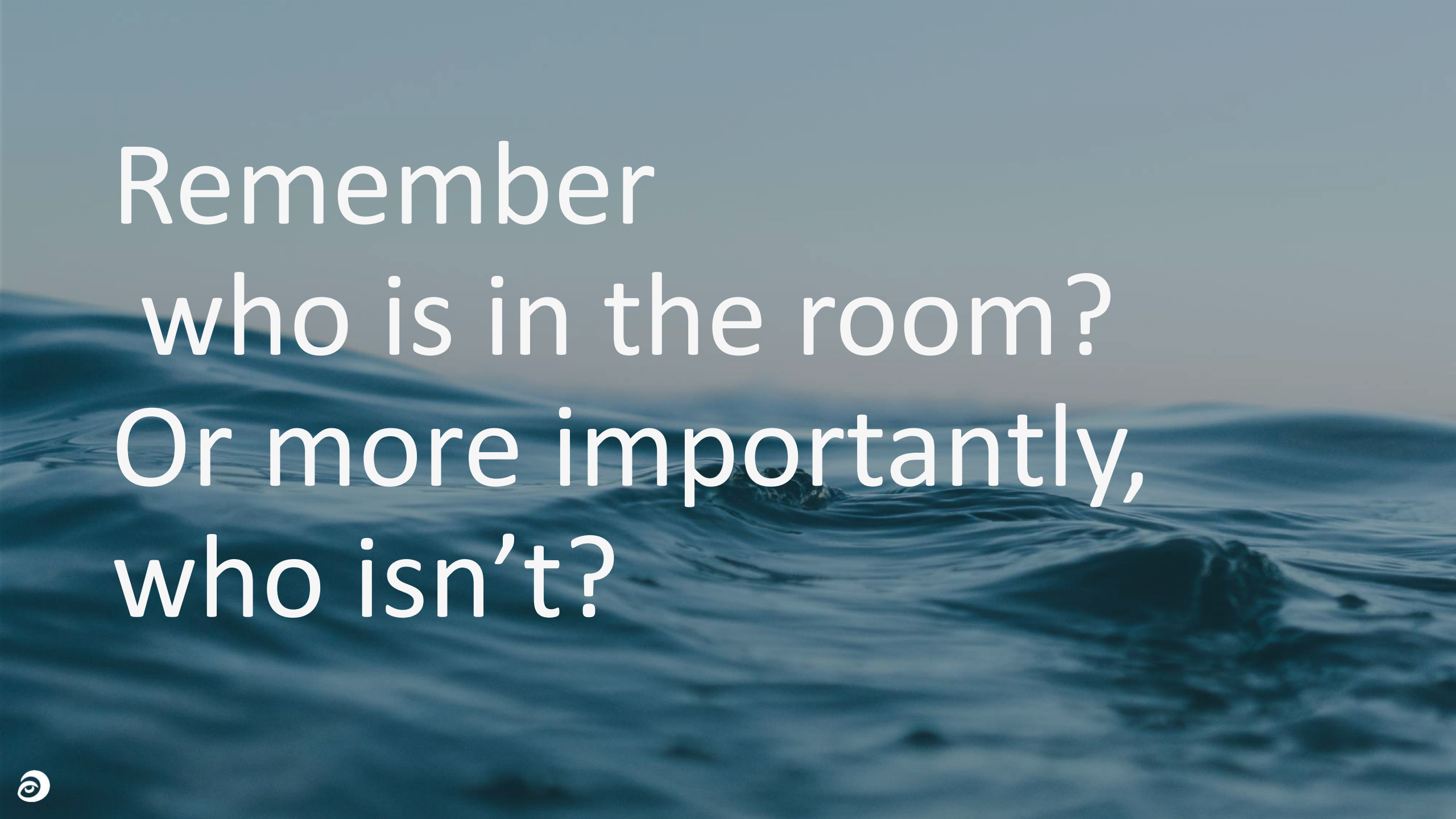


Sparkplugs are everywhere! They are natural advocates, optimistic & visionary.

- Decision Makers: they already have platforms, resources and influence.
- Cautious Ally's – hidden , disillusioned and maybe skeptical of genuine change

“We only protect what we love, we only love
what we understand and we only understand
what we are taught” Jacques Cousteau





Remember
who is in the room?
Or more importantly,
who isn't?



Thank you





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Scene Setting

Jen Ashworth

Head of Domestic Marine
Conservation, Defra

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Protecting and managing England's seas – Defra marine update

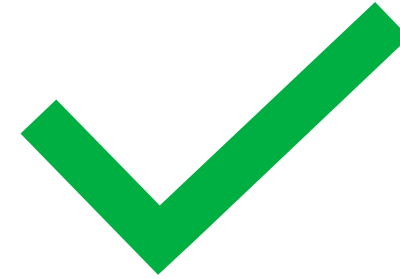
Dr Jen Ashworth – Head of Domestic Marine Conservation

24th January 2024

Overview



Key commitments



Defra actions

Our Primary Target:

We will halt the decline in our biodiversity so we can achieve thriving plants and wildlife





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‘Clean,
Healthy, Safe,
Productive
and
Biologically
Diverse
Oceans and
Seas’
(UK MPS)



© Natural England/Tom Daguerre 2015

Natural Capital Approach

Wider Seas

UK
Marine
Strategy

Fisheries
Management Plans

Marine planning
& Spatial
Prioritisation

Sustainable
Development

Marine
Net Gain

Offshore
wind

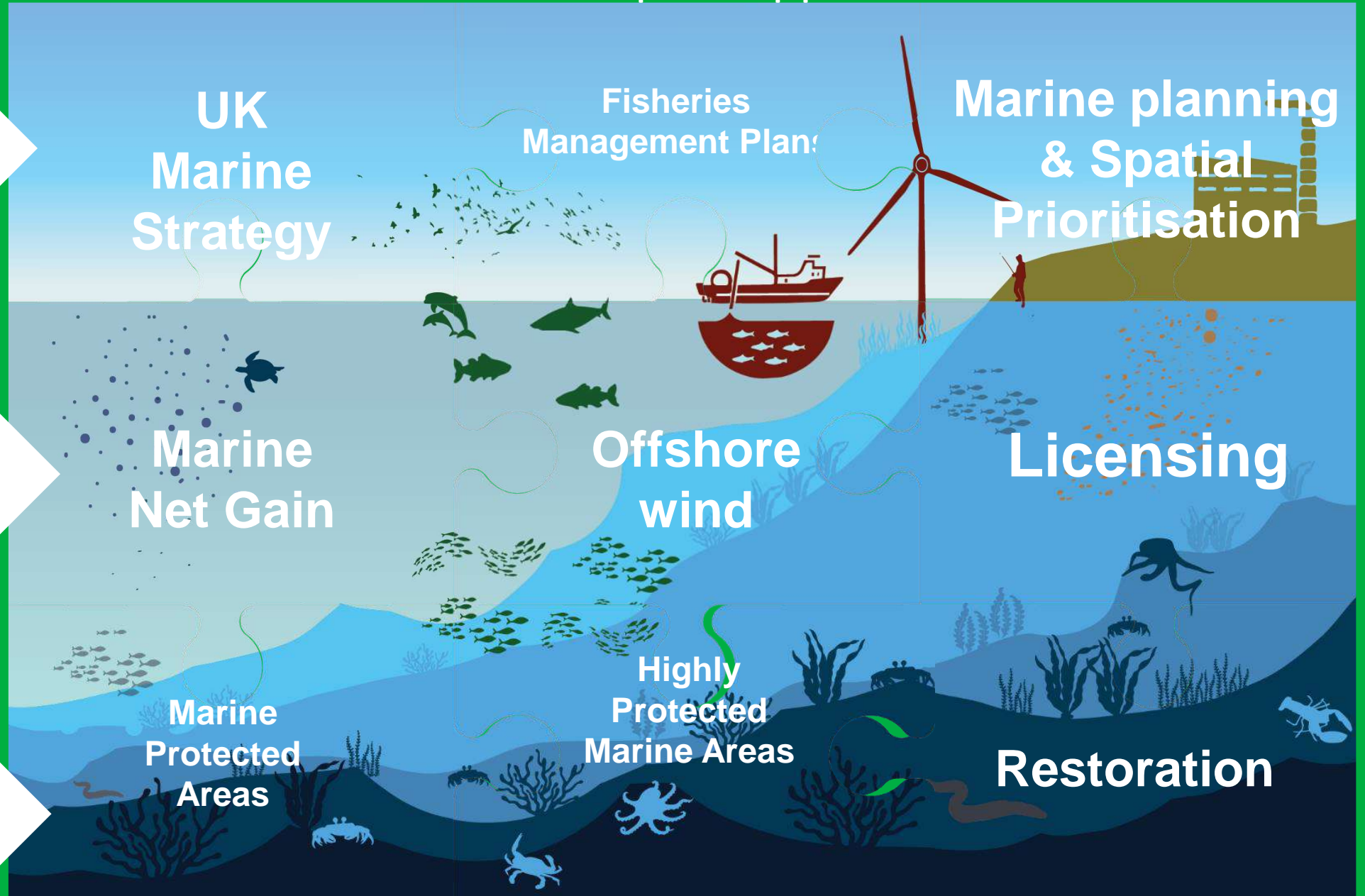
Licensing

Restoration &
Protection

Marine
Protected
Areas

Highly
Protected
Marine Areas

Restoration





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‘Ensure and enable that by 2030 at least 30 per cent of... coastal and marine areas, especially areas of particular importance for biodiversity and ecosystem functions and services, are effectively conserved and managed’ (GBF)



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What are we doing?



Marine Protected Areas

- Management in place by the end of 2024
- Working with MMO for offshore MPA fisheries byelaws
- IFCAs for inshore MPA fisheries byelaws
- MMO/IFCAs for non-licensed activities



Highly Protected Marine Areas

- Managing & evaluating the first 3 sites
- Identifying additional sites



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‘70% of designated features in Marine Protected Areas (MPAs) to be in favourable condition by 2042 with the remainder in recovering condition, with a new interim target of 48% of designated features to be in favourable condition by 31 January 2028’ (EIP)



© Natural England/Tom Daguerre 2016

What are we doing?



Working with NE and JNCC to plan the process for assessment and reporting



Working with marine Natural Capital and Ecosystem Assessment programme to understand how this can feed in



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‘take the necessary
measures to achieve
or maintain good
environmental status
of marine waters’
(UKMS regs)



© Natural England/Hazel Selley

What are we doing?



Part 1 reporting
this year

- UK Marine Monitoring and Assessment Strategy Evidence groups
- Consultation



Part 3 Programme
of Measures



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‘..clean, healthy and
biologically diverse
North-East Atlantic
Ocean, which is
productive, used
sustainably and
resilient to climate
change and ocean
acidification’
(North East Atlantic
Environment
Strategy)



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What are we doing?



Continuing support for OSPAR



Leadership and technical advice



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‘Our ambition is to deliver up to 50GW by 2030, including up to 5GW of innovative floating wind.’
(British Energy Security Strategy)



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‘implementing a new Offshore Wind Environmental Improvement Package including an industry-funded Marine Recovery Fund and nature-based design standards to accelerate deployment whilst enhancing the marine environment’ (British Energy Security Strategy)



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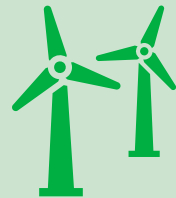
What are we doing?



We will be consulting on an approach to updated guidance on compensatory measures in Marine Protected Areas.



We will shortly confirm the first strategic compensation measures and are now working to implement them through the Defra-led Marine Recovery Fund.



We are continuing the scoping of the first set of Offshore Wind Environmental Standards, following a workshop in November, and planning further engagement and consultation



We will consult later in 2024 on a Statutory Instrument to take forward environmental assessment reform for offshore wind.



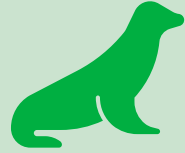
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Marine Net Gain
Activities in the sea can also be disruptive for biodiversity, but there are net gain opportunities for development in this area too. Following in the footsteps of biodiversity net gain, we are developing marine net gain policy to apply to new infrastructure developments at sea. (Environmental Improvement Plan)



© Natural England/Ross Bullimore

What are we doing?



On 10 December we published the Government response to a consultation on proposed high-level principles for Marine Net Gain.



The response confirms that MNG will become mandatory for all new in-scope activities in the marine environment, subject to a full impact assessment and consultation.



Work is underway to establish the evidence base for MNG including an assessment framework to measure gains and losses, developing a contributions-based approach and considering full range of interventions and ecological benefits appropriate for MNG.



We will be working with stakeholders to develop MNG policy.



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The Marine Spatial Prioritisation programme was set up with the aim of developing a more strategic and holistic approach to optimising the use of our seas in the context of rapidly increasing and in many instances, conflicting demands.



© Natural England/Ross Bullimore

What are we doing?



We are building our understanding of future demands to help optimise the use of the sea



We are identifying solutions to help maximise how sectors can colocate to help reduce the spatial pressures



We are considering how to prioritise uses where colocation isn't possible



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Fulfil Project Speed obligations and deliver on a diverse range of policy areas to enable a marine licensing system that is streamlined, efficient and minimises adverse effects on the environment whilst enabling the economic and social benefits of the marine environment



© Natural England/Adele Morgan

What are we doing?



Considering more efficiencies to marine licensing

- New exemptions
- New self-service activities
- Amend or remove some exemptions e.g. within HPMAs



Improving cost recovery for the MMO

- Amending fee bands
- Increasing case officer hourly rate
- Amending dredge and disposal levy

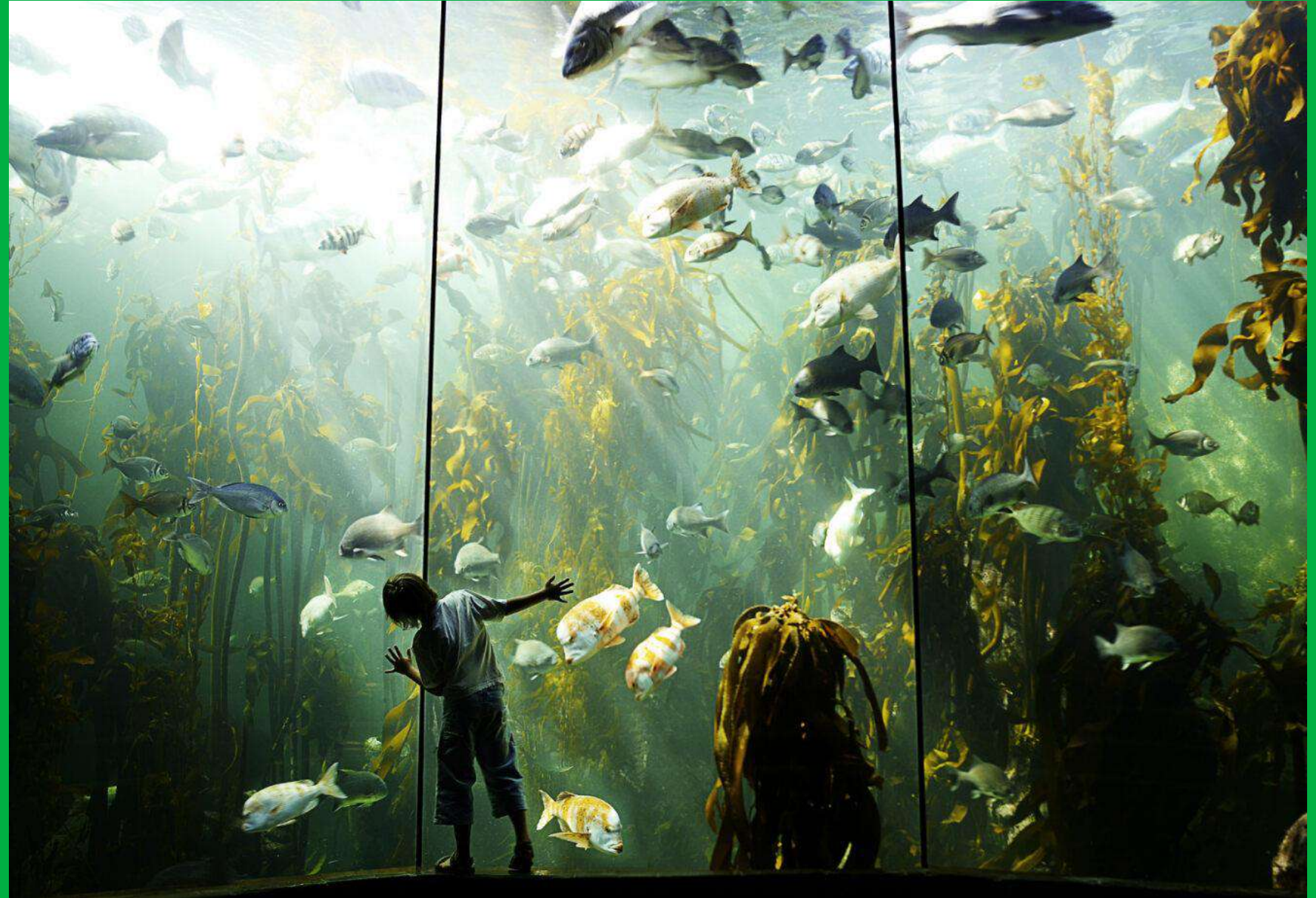


Developing and implementing revised marine EIA: Environmental Outcome Reports



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Connecting people
with the marine
environment,
understanding and
supporting Ocean
Literacy, enabling
participation in
management and
decision making



What are we doing?



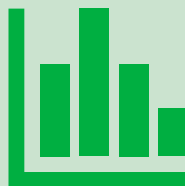
Widening opportunities to engage

- Hybrid consultations combining written responses with quayside conversations and public drop-ins



Understanding wellbeing, public value, engagement and Ocean Literacy

- Ocean Literacy tracker survey
- Co-designed Commercial Fishing Social Survey launching 2024



Expanding participation in policy evaluation

- New Offshore Wind, HPMa and Natural Capital Ecosystem Assessment evaluations

Natural Capital Approach

Wider Seas

UK
Marine
Strategy

Fisheries
Management
Plans

Marine planning
& Spatial
Prioritisation

Sustainable
Development

Marine
Net Gain

Offshore
wind

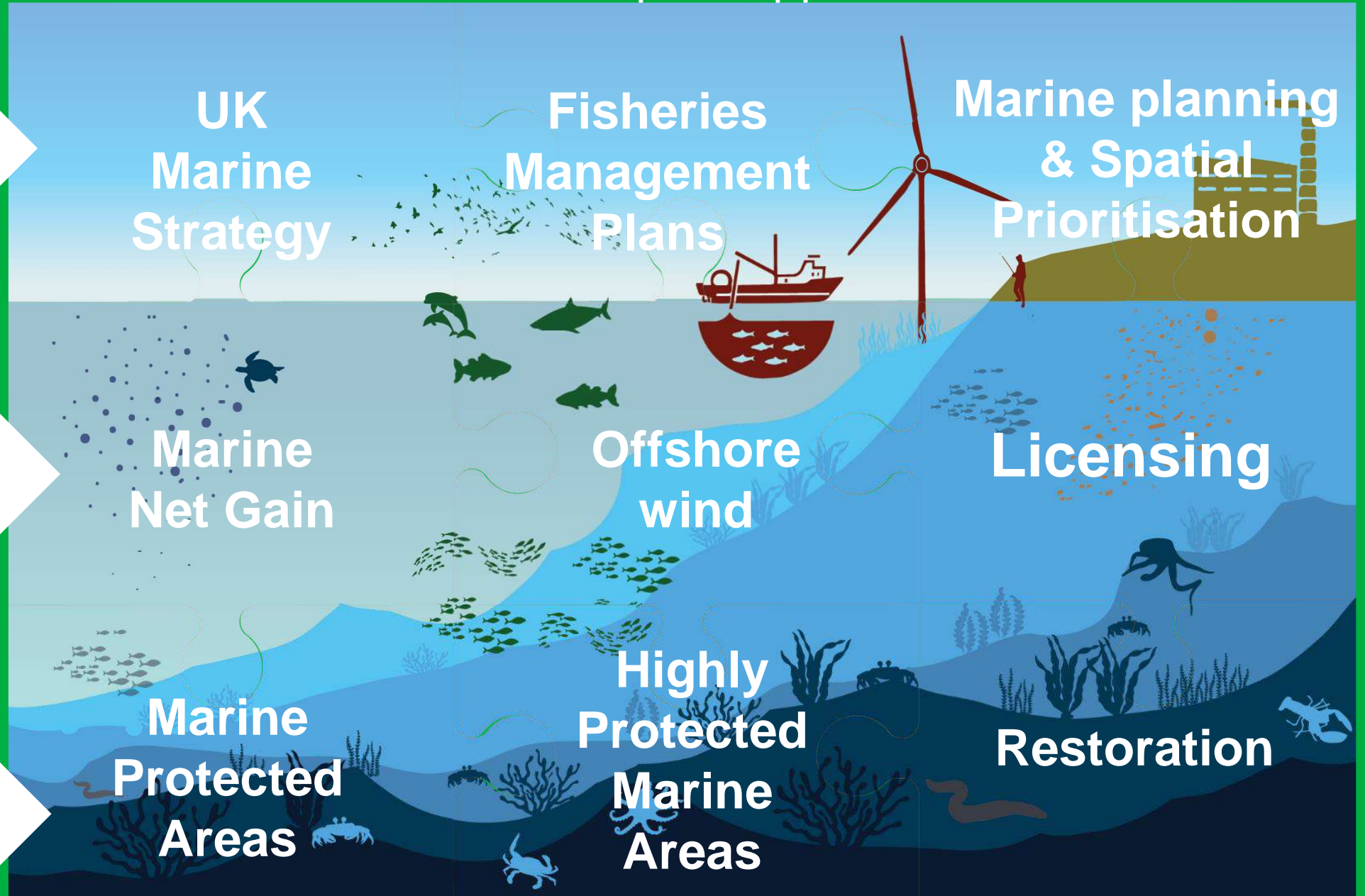
Licensing

Restoration &
Protection

Marine
Protected
Areas

Highly
Protected
Marine
Areas

Restoration





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Thank you!

Jen.ashworth@defra.gov.uk



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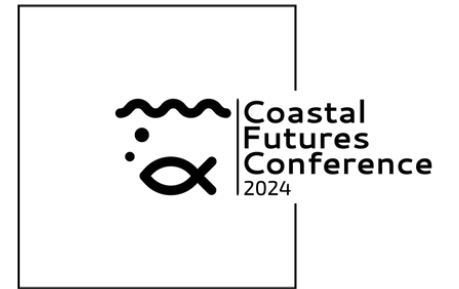


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Session one

Community Aspirations

How are coastal and marine practitioners responding to the inclusivity agenda?

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Chair

Sarah Young, WWF

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Session One Community Aspirations

Samantha Richardson MBE,
Academy Director, National
Coastal Tourism Academy - One
Coast Coalition

Pledge for the Coast

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One Coast Coalition: Pledge for the Coast

Samantha Richardson MBE

Director, National Coastal Tourism Academy



Background



Coalition formed during Covid-19 to provide a coordinated response to government on behalf of the coast

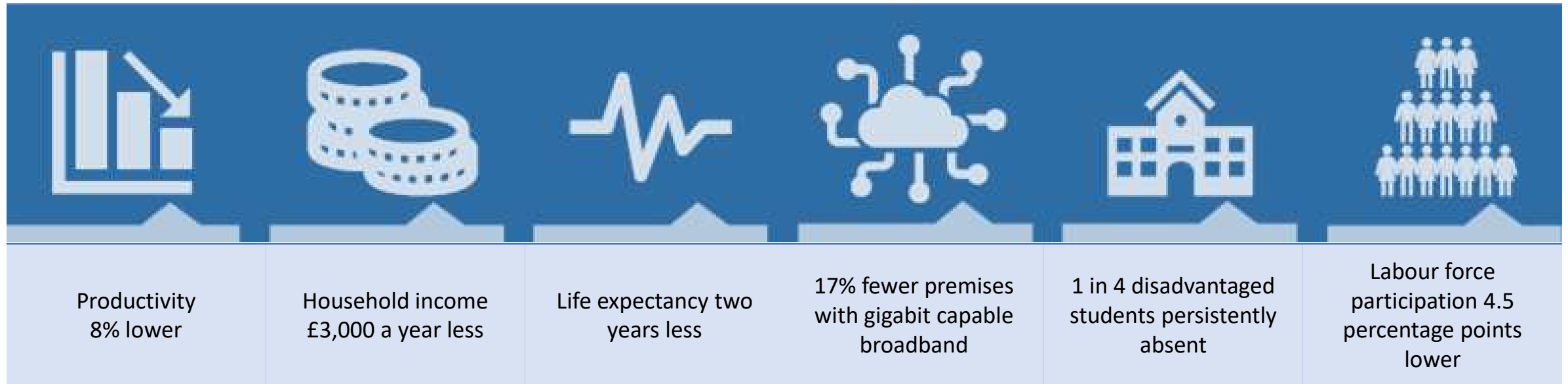
A cross-sector group social, economic and environmental stakeholders

Steering group (4 members), advisory group (10 members) and wider network

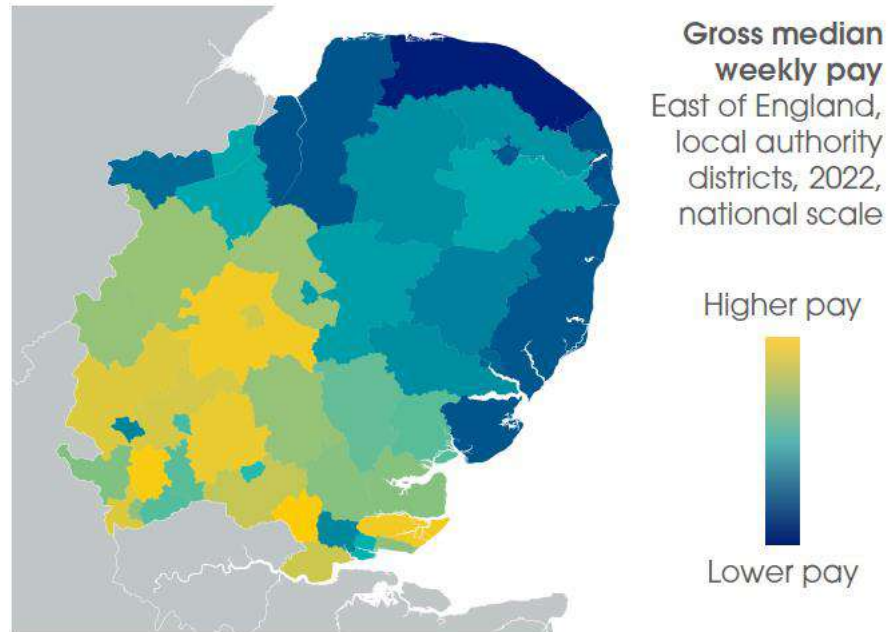
“We have come together in common cause to champion the UK coast and ensure that coastal communities and the natural environment on which they depend are represented and heard.”



Current landscape



Current landscape



Local data shows pockets of deprivation

- Aging population
- Cost of living exacerbated
- Poor mental health
- Higher rates of long term sickness
- Higher rates of violent crime

Funding has to go further on the coast

Recovery from Covid-19

An example – The Visitor Economy:

Average of 15-20% of employment in most coastal communities, rising to more than half in some towns

2019 coastal tourism spend £13.7bn of which domestic spend £10.6bn

2022 coastal tourism spend* £6.4bn domestic spend

- Number of day visits and spend per day visit significantly lower than pre-Covid
- Number of overnight holiday visits approx. half pre-covid levels
- Spend per night increased from £57.79 to £72.63 reflecting increase costs due to economic climate and energy crisis

Half (50%) of businesses stated that the summer period in 2023 was **worse** than in 2022. Only 21% said it was better.



Recovery from Covid-19

ONECOAST

An example – The Visitor Economy – opportunities

Domestic visitors – 98% satisfied with their break, 88% say it was good value for money

A quarter of businesses saw an increase in European visitors in 2023 – international markets remain largely untapped for the coast

Coastal visitors are less likely to be impacted by the Cost of Living crisis

78% Claimed that reducing their carbon footprint or making more sustainable choices on holiday was important

- 58% would take more UK breaks
- 60% would use public transport, walk or cycle in the destination*

Outdoor experiences, wellness and sustainability show long-term consumer growth and align to the coastal product.

The completion of King Charles III **England Coast Path** National Trail is a significant opportunity

88%

thought their holiday was either excellent or good value for money



98%

OF RESPONDENTS WERE SATISFIED WITH THEIR COASTAL BREAK



78% CLAIMED

THAT REDUCING THEIR CARBON FOOTPRINT OR MAKING MORE SUSTAINABLE CHOICES ON HOLIDAY WAS IMPORTANT

Year of Coast 2023

ONECOAST

Year of the Coast was a campaign lead by passionate people celebrating our stunning coastline, trying to make a positive sustainable impact on **Communities, Economy and Environment**

Amplifying and coordinating all the amazing things happening on the coast

An opportunity to have a wider conversation – raise the profile of the coast to support recovery from Covid-19 and build long-term sustainable support for our coastal communities



Year of Coast 2023

ONECOAST

- Commissioned new research – [Pragmatix: Communities on the Edge report published in January 2023](#)
- APPG Coastal Communities Inquiry
- Meetings with government ministers and officials to raise coastal issues ahead of election year
- Visitor campaign to encourage more visits to the coast in the shoulder and off-peak months
- Community events – parades, carnivals, beach cleans
- Legacy – launched “Pledge for the Coast”



Image: [Tyneside Gazette – Festival parade](#)

Pledge for the coast

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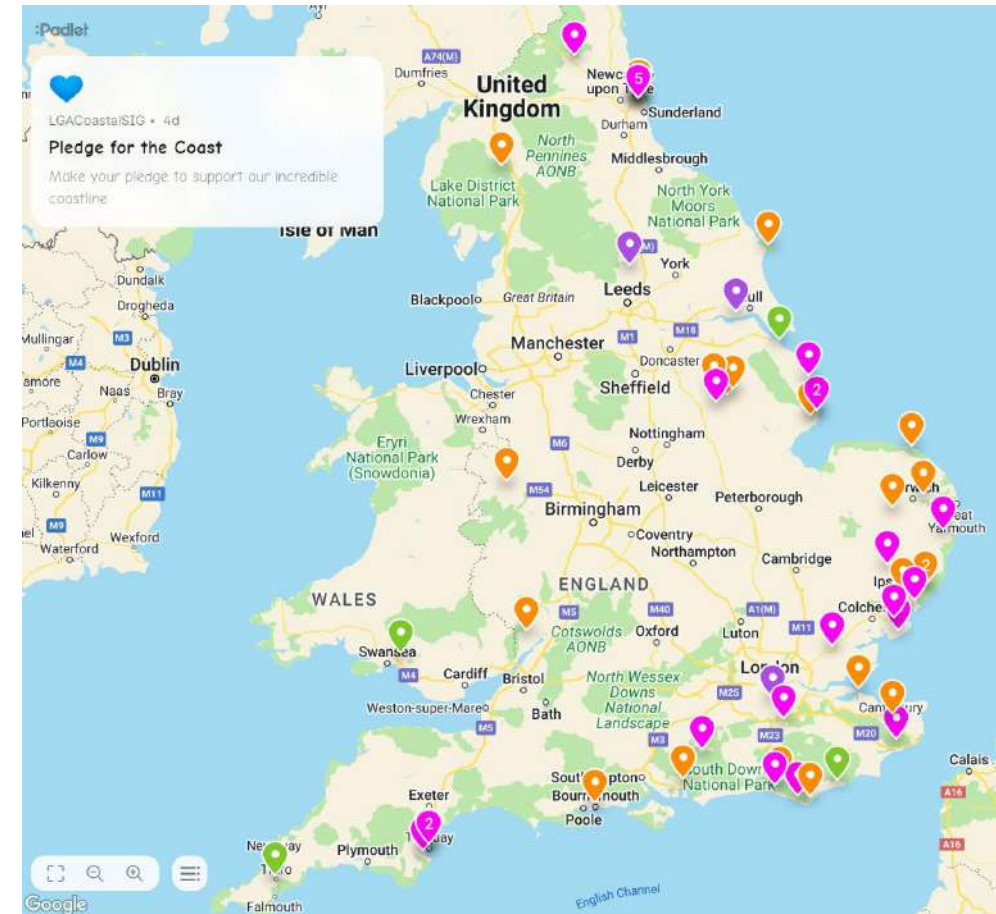
The time to act for our coastal communities and spectacular natural heritage is now. Our coastal communities are on the frontline of climate change and hold an emotional connection with many of us, yet they are some of the most deprived and forgotten in our country.

We are encouraging you to pledge one thing that you will do to support our coasts.

Some ideas:

- Get involved in citizen science
- Become a plastic free champion
- Encourage my council to support a Motion for the Ocean
- Support campaigns to make our coastline safer
- Join our call for a dedicated minister for the coast
- Make a visitor pledge

<https://lgacoastalsig.com/pledge-for-the-coast/>



A COAST FOR ALL...

ONECOAST

The 2024 campaign builds on the success of the Year of the Coast 2023 and continues to showcase the breadth of events, experiences and opportunities on our coastline.

A Coast for All ... is aimed at everyone working, living and involved with the coast, whether businesses, residents or visitors.

A Coast for All... is an opportunity to introduce a new audience to its nature, culture and heritage and spread the message that **England's coastline is for everyone.**

The coast is welcoming and open to all



How you can get involved

ONECOAST

Make a Pledge for the Coast

[Pledge for the Coast – LGA Coastal SIG](#)

Get involved in the 2024 campaign “A Coast for All...”

[Download the A Coast For All... Toolkit | National Coastal Tourism Academy](#)

Get involved in OneCoast

samantha.richardson@coastaltourismacademy.co.uk





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Session One Community Aspirations

Nicola Rimington, Natural
Resources Wales

Approaches to Integrated Coastal
Management for future
generations

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**Natural
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Wales



Approaches to Integrated Coastal Management for Future Generations in Wales

Nicky Rimington

Lead Specialist Advisor: Marine & Coastal Physical Processes & Coastal
Management

Climate Change Risk

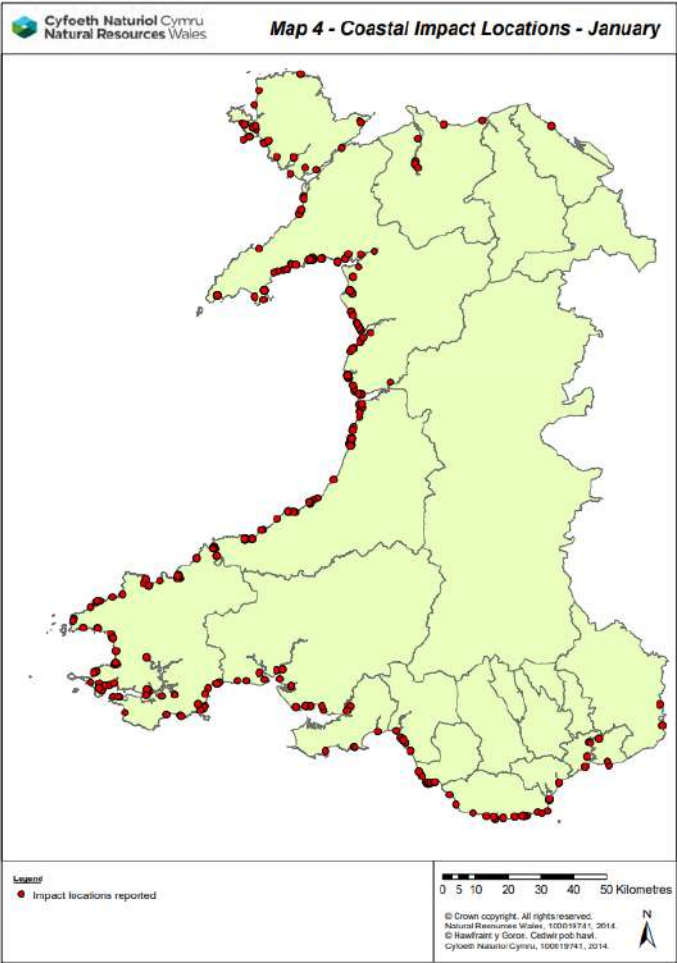
Climate projections indicate that sea level rise will occur for all emission scenarios and at all locations around the UK.

Coastal areas will be increasingly vulnerable to increased wave action and accelerated coastal erosion associated with climate change.

Flooding from the sea	People at risk of flooding	Residential properties at risk of flooding	Non-Residential properties at risk of flooding	Key Services* at risk of flooding
2020	191,055	62,087	8,735	1,348
2120	286,232	90,277	13,717	2,251
Difference	+95,177	+28,190	+4,982	+903

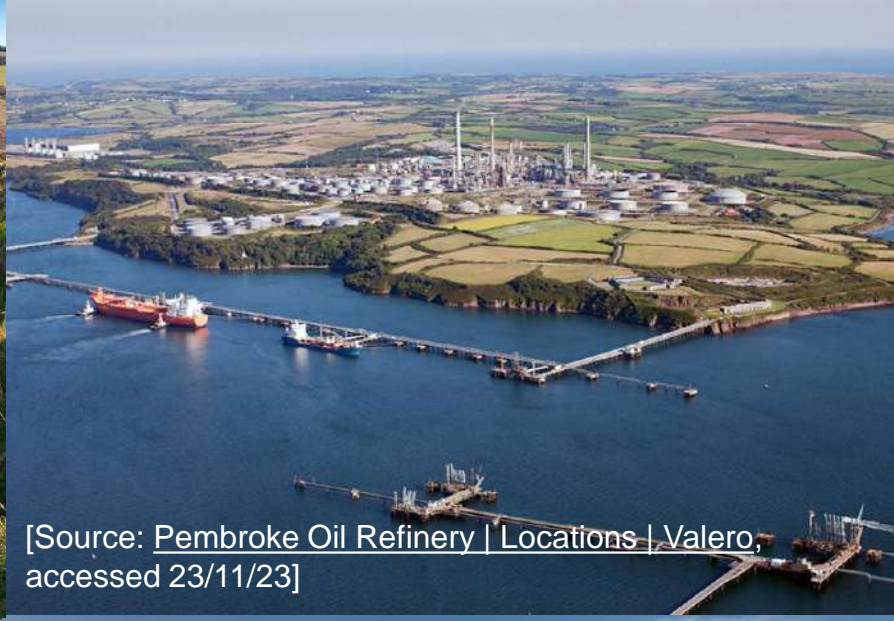
The Table shows the numbers at risk of flooding from the sea for 2020, 2120 and the projected difference across Wales. This is based on the central climate change estimates in the [Welsh Government Adapting to Climate Change Guidance](#). [Source: [Natural Resources Wales / Flood risk management plan 2023 to 2029](#), accessed 23/11/23]

*Key Services include property types related to education, health services, transport, utilities and emergency services.



[Source: [Winter 2013/14 Storms – Wales Coastal Flooding Review Phase 1 Report – Assessment of Impacts \(cyfoethnaturiol.cymru\)](#), accessed 23/11/23]

Why does integrated coastal management matter?



[Source: [Pembroke Oil Refinery | Locations | Valero](#), accessed 23/11/23]



[Source: [Protecting East Rhyl from coastal flooding - Dredging Today](#), accessed 23/11/23]



- The coast is home to approximately 60% (1.9 million) of the population
- 77% is designated for its environmental importance
- The coast is important to the economy (supports an estimated 93,000 jobs)

Important for:

- Communities
- Business & Industry
- Natural Environment
- Tourism
- Farming
- Transport
- Heritage
- High quality landscapes and seascapes
- Access and enjoyment for health and wellbeing

Who is involved in management of the coast?

Political: Ministers, Cross-party Groups	Welsh Government Officials	Local Authorities, various roles	Natural Resources Wales, various roles
Flood and Coastal Erosion Committee	National Infrastructure Committee Wales	Communities	National Park Authorities
Public Service Boards	Welsh Local Government Association	Businesses	Industry
Wales Coastal Groups Forum	Coastal Groups	Network Rail	Utility Providers
Local Authorities	Natural Resources Wales	Highways Agencies	Landowners
National Park Authorities	Transport Sector	eNGOs	Farming Unions
eNGOS	Farming Unions	Local Interest Groups	Tourism, visitor interests
Heritage Sector	Tourism Sector	Archaeological Trusts	Local recreational users

What makes Wales special in terms of tackling these challenges?

Our unique legislation:

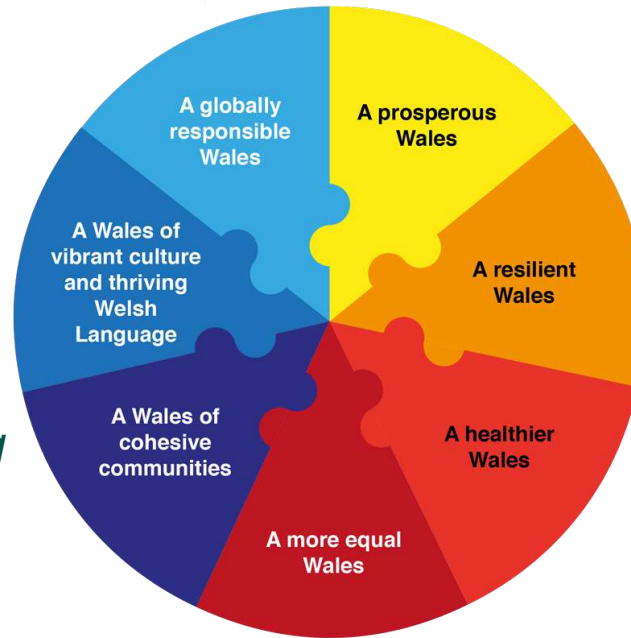
- The Wellbeing of Future Generations (Wales) Act 2015
- The Environment (Wales) Act 2016

Natural Resources Wales:

- Our vision: *Nature and people thriving together*

Our Size:

- Big enough to make a difference
- Small enough to build meaningful relationships and develop collaborative solutions



Five Ways of Working



Long term - Prevention - Integration - Collaboration - Involvement

Climate Change Committee Report – Adaptation & Social Justice

Welsh Government commissioned the Climate Change Committee (CCC) to review **Prosperity for all: a climate conscious Wales | GOV.WALES**, including a specific review on **Adaptation and Social Justice**.

Adapting to a changing climate relates to social justice in three key ways:

- Climate impacts have unequal effects.
- Adaptation actions to address these risks will themselves have unequal impacts.
- Effective and fair adaptation requires the distribution of climate risk across society to be considered throughout the policy cycle.

The CCC identifies six key principles to develop socially just adaptation policies.

- Assess how climate change impacts different groups in society differently.
- Design adaptation or other policy goals to avoid unintended distributional bias.
- Set sufficiently broad 'system boundaries' for adaptation and policy assessment.
- Engage extensively and regularly with local stakeholders.
- Rigorously track, evaluate and communicate distributional outcomes.
- Implement policy flexibly and iteratively, allowing unanticipated effects to be identified and corrected over time.



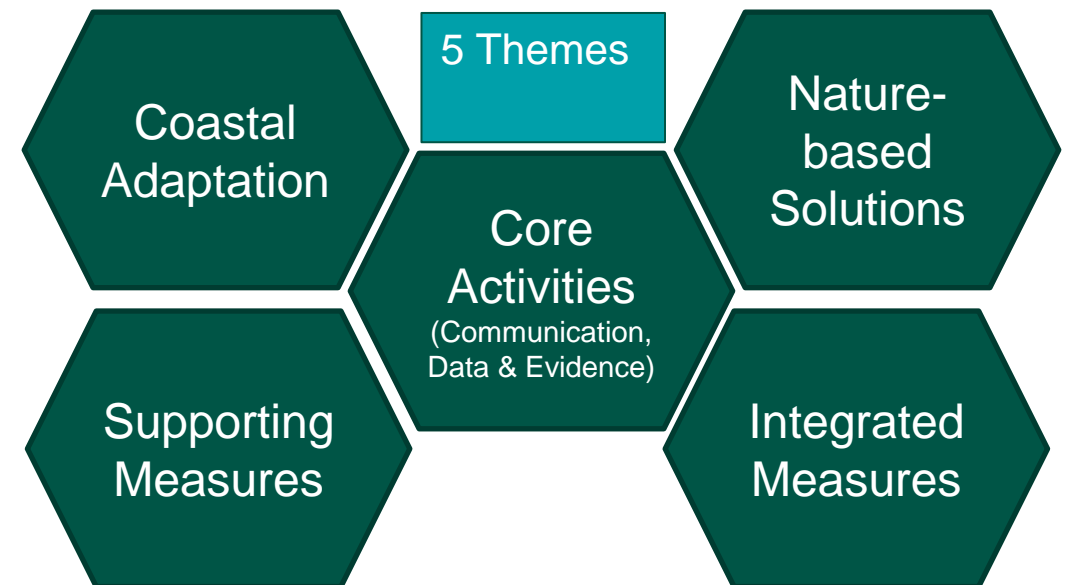
Adaptation and social justice
September 2023

What can NRW do?

- **Approximately 2500 staff, with around 10% having a role which has some involvement in management of the coast.**
- **Includes staff working on:**
 - Flood risk management
 - Management of protected sites
 - Marine and terrestrial planning
 - Regulation and regulatory approaches
 - Coastal access
 - Delivering our Area Statements, and coastal input to Public Service Boards
 - Climate change
 - Land management and the Sustainable Farming Scheme
 - Internal Drainage Districts
 - Water Framework Directive (hydromorphology element)
 - Geoscience
 - Landscape and seascape
 - Historic environment
 - Evidence and data

Integrated Coastal Management Programme

The primary aim of the Integrated Coastal Management Programme (ICMP) is to co-ordinate, plan and prioritise our work with respect to physical management of the coast, in accordance with SMNR principles, so that we are making integrated management decisions, despite being a dynamic environment caught between terrestrial and marine planning mechanisms and yet likely to undergo significant change over the next 10 to 20 years.



Example 1 – Access to Key Information

Home > Flooding > Managing flood risk

Shoreline Management Plans

In this section

1. What are Shoreline Management Plans?

2. Development of Shoreline Management Plans

3. Choice of Shoreline Management Plan policy

4. Managing sections of the coast

5. View the approach for your area

6. View the full Shoreline Management Plans

7. Different approaches over time

8. Implementation of Shoreline Management Plans

9. Nature-based solutions for coastal management

10. Updating Shoreline Management Plans

Home > Flooding > Managing flood risk

Nature-based solutions for coastal management

In this section

1. What are nature-based solutions?

2. Shoreline Management Plans

3. Terms for nature-based solutions

4. Green-grey infrastructure

5. Blue-green infrastructure

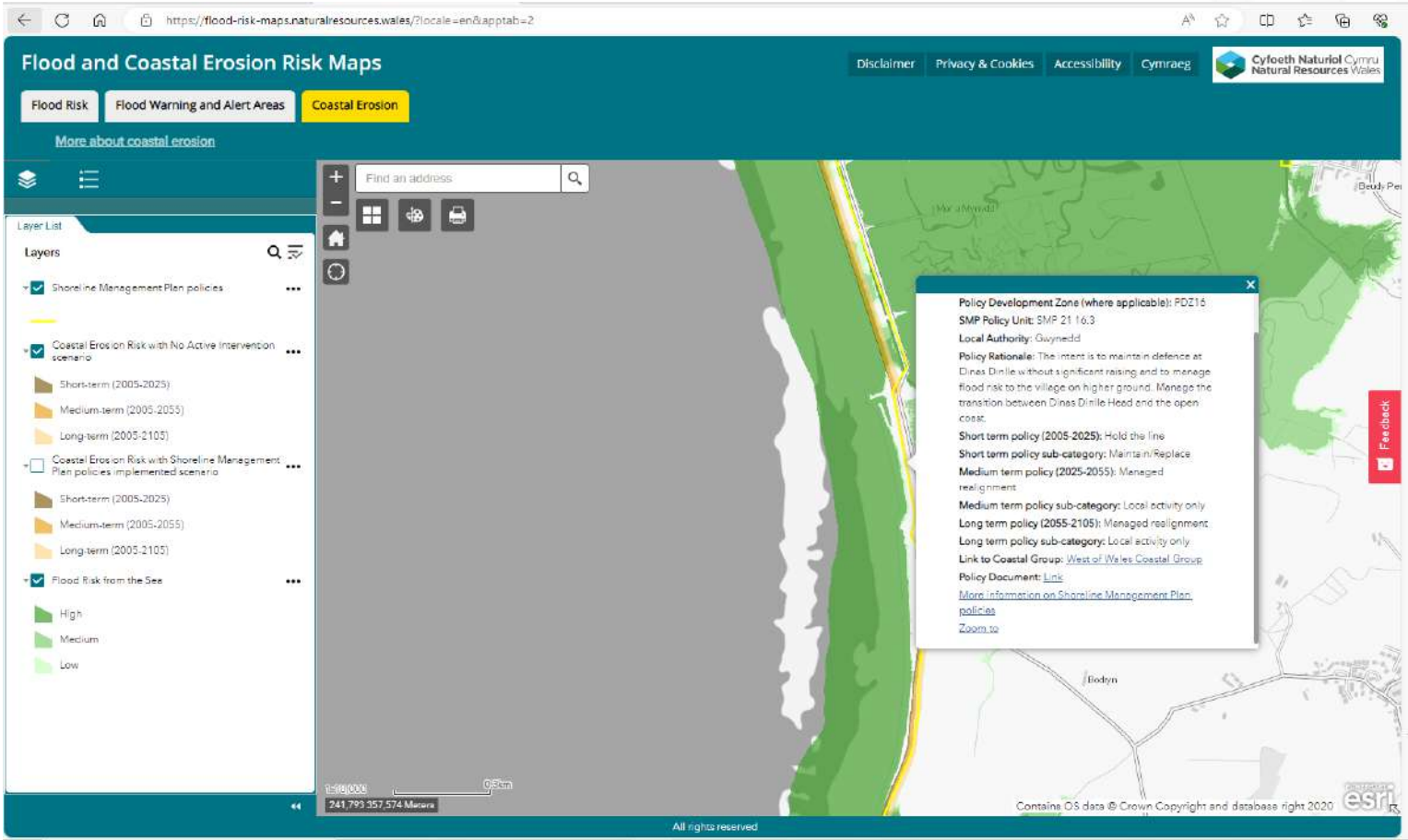
6. Beach nourishment

7. Sand dune management

8. Saltmarsh and mudflat management

9. Shingle management

10. Scientific literature



[Natural Resources Wales / Shoreline Management Plans](#)
[Natural Resources Wales / Nature-based solutions for coastal management](#)
[Natural Resources Wales / Check your coastal erosion risk \(National Coastal Erosion Risk Management map\)](#)

Example 2 – Coast Snap

NRW's Wales Coast Path team and the Wales Coastal Monitoring Centre have collaborated to set up the Coast Snap Citizen Science Project, aimed at engaging local communities and individuals in monitoring the coastal environments of Wales.

The project enables people to get involved, understand more about how their coast is changing, and contribute valuable data to support decision making.

Whitmore East - Beachhuts



Whitmore West - Zio's



Llandudno -
Great Orme View



Llandudno -
Little Orme View



Penarth



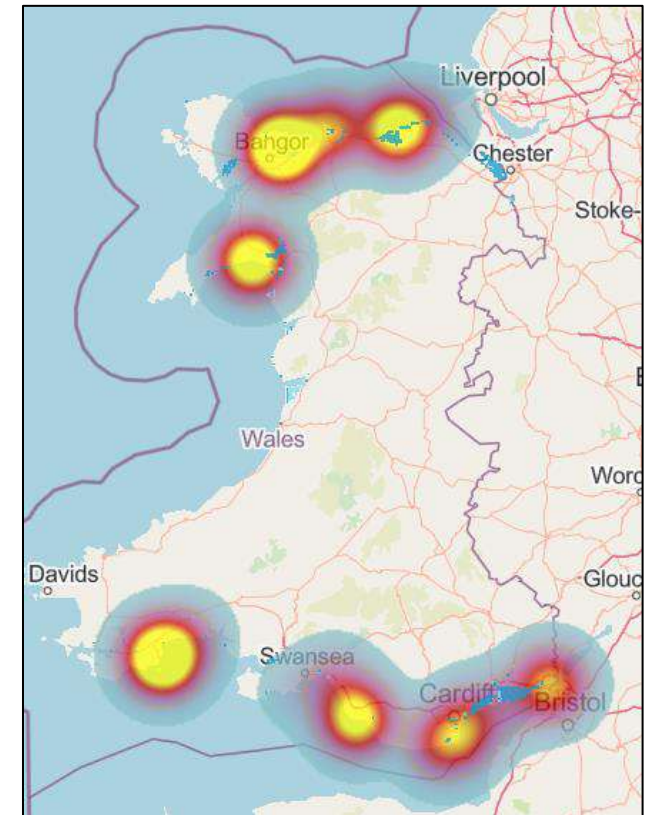
Criccieth West Beach



Rhyl



Beaumaris



Example 3 - Coastal Adaptation Programme- Stakeholder Engagement Strategy

The Coastal Adaptation Programme (CAP) is a programme of projects led by NRW to help review options for managing coastal flood risk in areas most at risk from rising sea levels where flood risk management assets are managed by NRW.

A stakeholder engagement strategy has been developed to support staff to engage strategic stakeholders at the programme level and engage stakeholders and communities at the project level.

For example see [Natural Resources Wales / Porthmadog Flood Risk Management Project](#)

Porthmadog Flood Risk Management Project

Issue 2 | October 2023

Project Update

Natural Resources Wales is working to find long-term flood risk management solutions for the community of Porthmadog and Tremadog, alongside delivering wider environmental, social, and economic opportunities.

Throughout 2022 and 2023, we have been updating our flood model to better understand the risk of flooding in your area.

Using the latest guidance, available river flow records and photographs taken during the winter 2015 event, we can predict flood risk now, and in the future, including accounting for climate change.

The model shows a greater number of homes and businesses at risk from the Afon Glaslyn, the "Y Cyt" and from the sea.

Whilst we know this will be a matter of concern, please be reassured we are working hard to understand and find a sustainable solution to best manage this flood risk.

Porthmadog is at flood risk from both rivers and the sea as well as from rain and groundwater.

During high tides, the rivers are unable to flow out to sea and so a combination of extreme rainfall and high tides puts many residential and commercial properties at risk from flooding.

As our climate changes, we will face more frequent storms, heavy rainfall, and rising sea levels. This means that severe flooding events will become more frequent. This will put increased pressure on existing flood defences in the town and will impact how they will perform despite ongoing maintenance.

We have made good progress since the engagement events in January 2023. With your feedback, including responses from the letter drop in spring 2021, we have been able to understand the problem further and develop possible options to best manage the flood risk.

The current Flood Map (Flood Risk Assessment Wales Map) can be found on the Natural Resources Wales website [here](#).

The updated flood model outputs are currently in the checking and verifying stage. The new outputs are expected to be available online in late Spring 2024.



Ordnance survey license number: 100019241

Background

Most of Porthmadog sits on low lying land, which is at risk of flooding from the Afon Glaslyn, Y Cyt and from the sea.

Maintaining today's level of flood protection is a challenge with existing defences put under increased pressure from more frequent weather events.

The land was reclaimed from the sea in 1811 when the Cob was constructed across Traeth Mawr by William Maddocks. The Cob prevents the natural inward movement of tidal water from reaching Pont Aberglaslyn.

The projected flood risk from rivers in the model update is shown below. This indicates that up to 345 homes and 105 businesses are today at risk from a flood event which has a 1% chance of occurring in any given year.

Pont Aberglaslyn is a bridge located eight kilometres (five miles) inland to the north near Beddgelert.

Sustainable Management of Natural Resources

This project will explore and adopt, where possible, principles of sustainable management of natural resources.

This will include natural flood management options, and the assessment of catchment wide environmental opportunities, aimed at maintaining and enhancing biodiversity and ecosystem resilience.

Natural Environment

The study area forms a mix of coastal, wetland and woodland habitats that act as green corridors into the surrounding landscape.

The environmental importance of this area is reflected in the large number of protected habitats and species.

Many of these are of National and international importance and these too are being threatened by the effects of increasing flood risk and climate change.

What we've been doing

During 2023, Natural Resources Wales has been reviewing the findings from its flood model and using community feedback to start to develop a list of possible options to reduce flood risk to people and homes.

Over the last 6 months, we've also been:

- Carrying out new environmental surveys as part of evidence gathering
- Holding individual meetings with community and stakeholders
- Working with local partners to gather lived experiences and insights
- Continuing discussions and visiting local Porthmadog schools
- Pursued links with local Universities through our education team

We will be assessing each option against Criteria Success Factors (CSFs) which will include value for money, sustainability and technical viability.

We plan to share the assessment findings and the draft recommended short list of options, for public consultation in early 2024.

Our timescales have shifted however it is important that we do not rush these vital stages and we hope this update will keep you informed of our progress to date.

Project information boards presented at the Y Ganolfan Community Centre in January 2023

Project timeline and next steps

To Date Baseline	Autumn 2023 Options Long List	Early 2024 Options Draft Short List	Summer 2024 Preferred Option
We have improved our understanding of the flood risk and developed a long list of options from stakeholders and public feedback.	We will assess the long list of options against Critical Success Factors to help us to identify a short list of draft options for public consultation.	We plan to consult the public on the draft short list of options. After this, the final short list will be chosen alongside carrying out site investigations.	We will consult the public on the draft preferred option chosen from the short list. This will use information from ground investigations and will include outline design drawings.

We are planning consultation events from late January 2024 onwards when we want to hear from you on the assessment and the draft short list of options.

Confirmation of the dates and details will be sent out in the post, and by email, in late December 2023.

Our webpage will be updated throughout the project with news and responses to Frequently Asked Questions.

2025	2026	2027
Detailed design of the preferred option, subject to business case approval	Statutory applications and permissions	Construction of preferred option, subject to funding and approvals

Keeping in touch - How to get involved

We want to hear from you so that we can continue to understand the impact of flooding on your community.

This is so that we consider the best options for managing this risk and exploring wider environmental and social opportunities.

Even if you have done so previously, please get in touch if you'd like to find out more and to share your views and comments with us.

Please visit our [project webpage](#) for further details:

Andrew Basford, (Welsh Learner) Project Manager
0300 065 3846

Sharon Parry, (Welsh Speaker) Project Support Officer
0300 065 5264

Natural Resources Wales, Bangor Office, Maes y Ffynnon, Gwynedd, LL57 2DW

@ porthmadog.floodrisk@grasshopper-comms.co.uk

Conclusions

- Climate change risk at the coast is here already, and the risks will continue to increase.
- There are a complex range of interests that need to be considered together to inform sustainable management and a fair approach to adaptation.
- Wales has good legislation and ways of working to support how we do things.
- NRW has started to bring staff together to help make the connections across our remit and underpin better decisions.

BUT

- There are conflicts between different parts of our remit and the sectors they represent.
- It's resource intensive to engage internally and externally and to bring together the evidence to inform better policy and good decisions.
- We are limited by available funding, and we recognise that there is much more to do.

'Coming together is a beginning; staying together is progress; working together is success.'

Edward Everett Hale



Thanks for listening
Nicola.Rimington@naturalresourceswales.gov.uk





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Q&A

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Session One Community Aspirations

Joe Perry, Highland Council,
Climate Action Coastlines

Nature-based solutions for
threatened coastal communities

24th & 25th January, 2024

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Climate Action Coastlines

Nature-based
solutions for
threatened coastal
communities

Joe Perry
Project Manager
The Highland Council



Golspie

- A planned fishing town, established in the early 1800s
- Regionally-important travel infrastructure, hospital and secondary school
- Growing tourism industry
- Closer to Norway than London





Golspie Community

- 1,320 residents
- 35% of the population is over 60 (UK average is 23%)
- Strong community spirit and engagement with local issues



Flooding and Erosion

- Significant coastal flooding events in 2012 and twice in 2014
- Damage to high street, golf course and caravan park



Existing Defences










Existing Defences



Clockwise from top-left: rock breakwater, steel flood gates, beach renourishment, rock revetments, rock gabions, sea wall.

Golspie Flood Protection Study (2019)

	<p>Do nothing</p> <p>Leave the defences as they are. This would result in the gradual deterioration of the defences and the standard of protection would decrease over time.</p>		<p>Beach nourishment</p> <p>Beach nourishment is a method which can be used to restore a beach which has eroded away due to tidal action. Sand is imported and spread to return the beach to original levels. New beach will absorb wave energy and provide a natural but limited mitigation to flood risk. The restoration of the beach will also have recreational value. Works to replace sand will have to be repeated if the cause of erosion is not controlled.</p>
	<p>Do minimum</p> <p>Repairs and strengthening works could be made to the existing wave return wall and culvert flapvalves in the town, and a stringent maintenance regime adopted to maintain the existing standard of protection. This option would strengthen the current defences and reduce their risk of failure. This would maintain the existing situation but would not reduce flood risk.</p>		<p>Sand dune stabilisation and protection</p> <p>Maintain and protect the sand dunes along the golf course which form natural embankments and can offer some level of protection from tidal flooding. Sand dunes would be stabilised by planting natural species such as marram grass whose root structure would have an interlocking effect on sand particles.</p>
	<p>Raise embankments and coastal walls at existing defence line</p> <p>In order to prevent overtopping at the existing defence line, the coastal defence wall and embankments could be raised to create a barrier to wave carryover and inundation from high sea levels. This would offer an increase in the standard of flood protection for all receptors but it would incur significant cost and result in impacts on various environmental and social receptors.</p>		<p>Property Level Protection (PLP)</p> <p>PLP can be employed to protect individual properties from potential ingress of flood water through pathways such as doors and windows, brickwork and sewage systems. This option would not address the source of flooding but could act as a resilience measure to protect individual properties against flooding. The success of PLP is heavily dependent on the correct choice of PLP and its installation, operation and maintenance.</p>
	<p>Wave energy dissipation</p> <p>Offshore breakwaters can be used to dissipate wave energy and change wave direction. A hard-engineered measure would involve installing a rubble breakwater some distance offshore to reduce the height and strength of waves before they break on the shoreline, reducing the volume of overtopping due to wave action and therefore reducing flood risk beyond the defence line. This would also reduce impact on existing defences. Additional ecological benefit can be added by installing living breakwaters, which can be designed to dissipate wave energy and encourage biodiversity.</p> <p>However, the flood risk benefits are limited as this measure would only reduce the impact of wave carryover and not direct tidal inundation when sea level is high.</p>		

Dynamic Coast (2021)

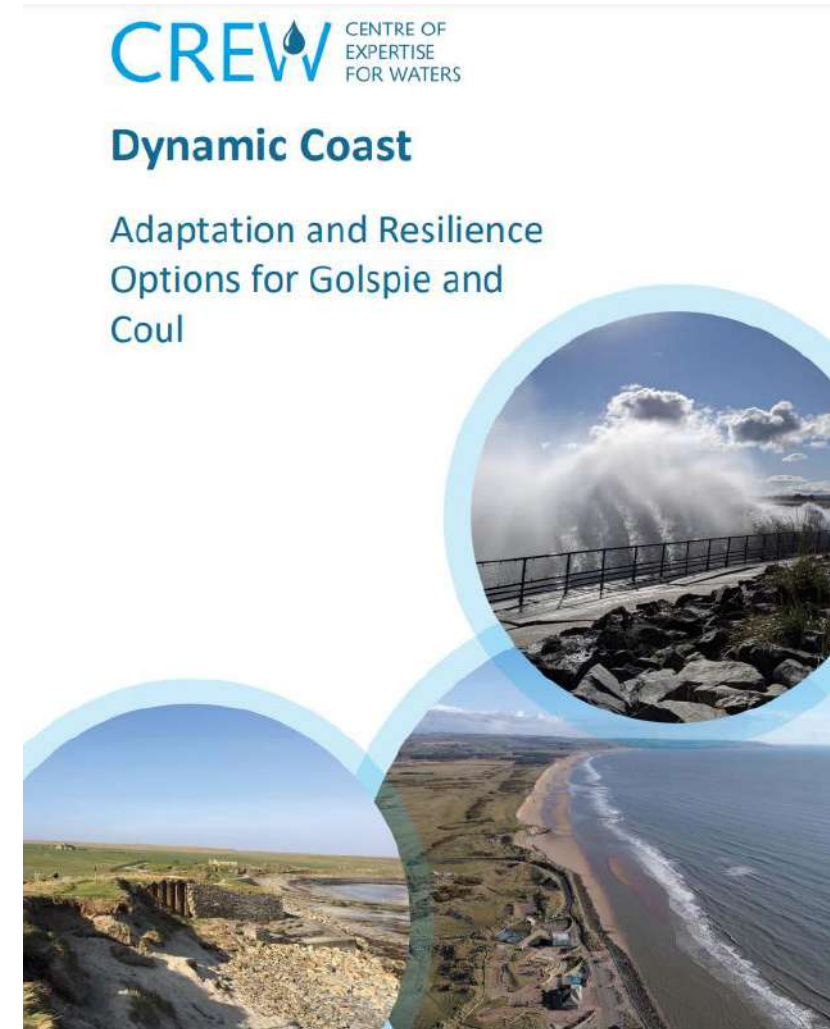
Findings

- Today's **200**-year event, becomes a **75**-year event by **2050** and a **10**-year event by **2080**.
- Unchecked, present maximum coastal erosion rates may increase with sea level rise resulting in ~-330 m retreat by 2100 across Golspie.

Recommendations

- Commence with long-term thinking about the trigger points for **asset relocation or abandonment**, faced with the reality of the 2050 and 2100 coastlines
- Propose **beach feeding** to protect the existing defences – and enhance the wave-attaining features of the beach
- Maintain or install new **short-life defences**. This could include raising rubble breakwaters to increase sediment retention and increase wave attenuation

“...ensuring management is future-smart, if not future-proof.”



Mean High Water Spring - 2018



Mean High Water Spring for High Emission Scenario

– 2060 (orange) and 2100 (red)



Future Erosion Under High-Emissions Scenario (2050)



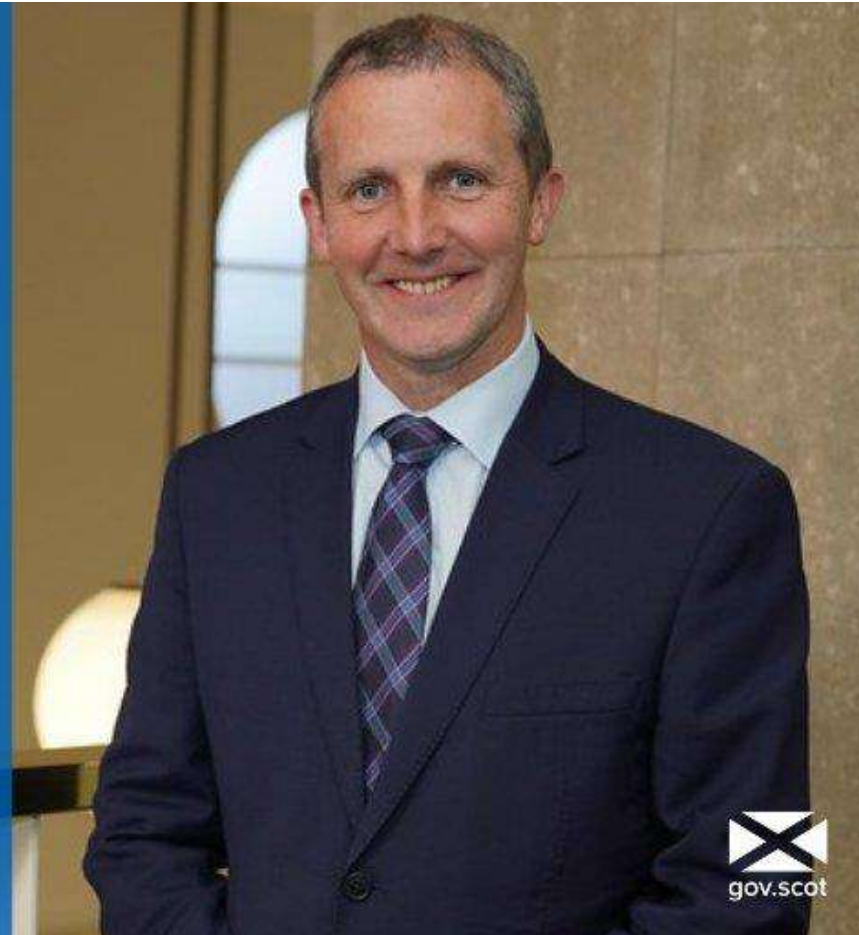
Future Erosion Under High-Emissions Scenario (2100)



Green Growth Accelerator

"The Green Growth Accelerator illustrates how, working together across government, business and communities, we can capitalise on the economic, environmental and social benefits that our journey to net-zero present."

Michael Matheson
Cabinet Secretary for Net Zero,
Energy & Transport




Climate Action Coastlines – a Green Growth Accelerator Pathfinder Project

Aims:

1. Identify the most appropriate suite of nature-based and soft engineering solutions to protect a vulnerable Highland community from increased coastal erosion and flooding.
2. Embed community voices in project design and implementation.
3. Explore green finance options to support additional Highland coastal communities.

Project Team:


The Highland Council, Go Golspie, North Highlands and Islands Climate Hub, NatureScot, Edinburgh University, St Andrews University, Practically Green.



GIVE YOUR VIEWS

Our Coastline is changing. Average sea levels have swelled over 8 inches (about 23 cm) since 1880, with about three of those inches gained in the last 25 years. Every year, the sea rises another .13 inches (3.2 mm.)

SEA LEVELS ARE RISING AS A RESULT OF CLIMATE CHANGE, CAUSING CHANGES TO OUR COASTLINES. DO YOU AGREE THAT WE NEED TO CONSIDER MORE FLEXIBLE NATUREBASED MANAGEMENT STRATEGIES IN RESPONSE TO THIS?



SCAN QR CODE TO GIVE YOUR VIEWS

Historical and Social Context



COMMUNITY DISCUSSION

Public meeting & drop in session to discuss Nature-based flood defence options to work alongside infrastructure

Come along to a public meeting on Thursday evening to hear a short presentation from the North Highlands & Islands Climate Hub and their involvement with the Climate Coastlines Project. You'll have the chance to give your views on what is required to protect the village from flooding.

- Thursday 14th & Friday 15th July
- Fountain Road Hall, Golspie
- 7pm-9pm Thursday
- 10am - 2pm Friday

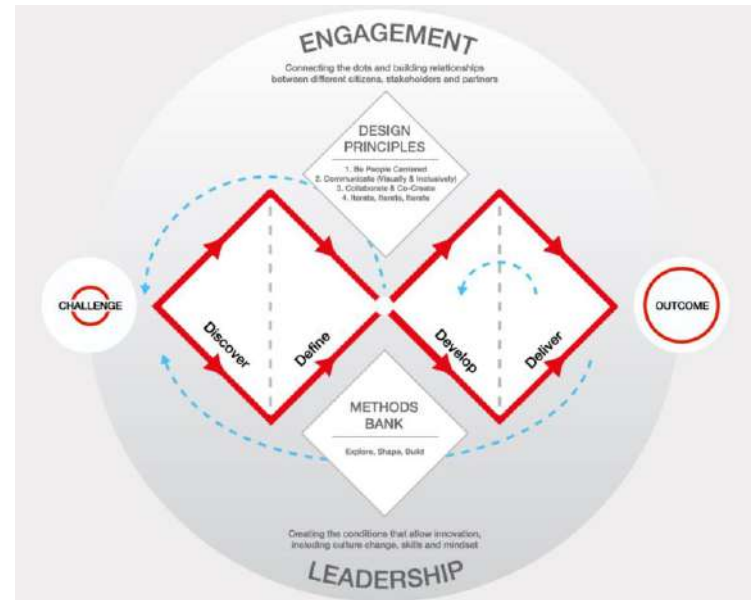
Friday's session is drop in for any member of the community to have their voice heard.

Community groups are encouraged to come along to hear about the new Golspie Climate Action Fund and the Carbon Literacy training available from the Hub team.






www.nhclimatehub.co.uk enquiries@nhclimatehub.co.uk

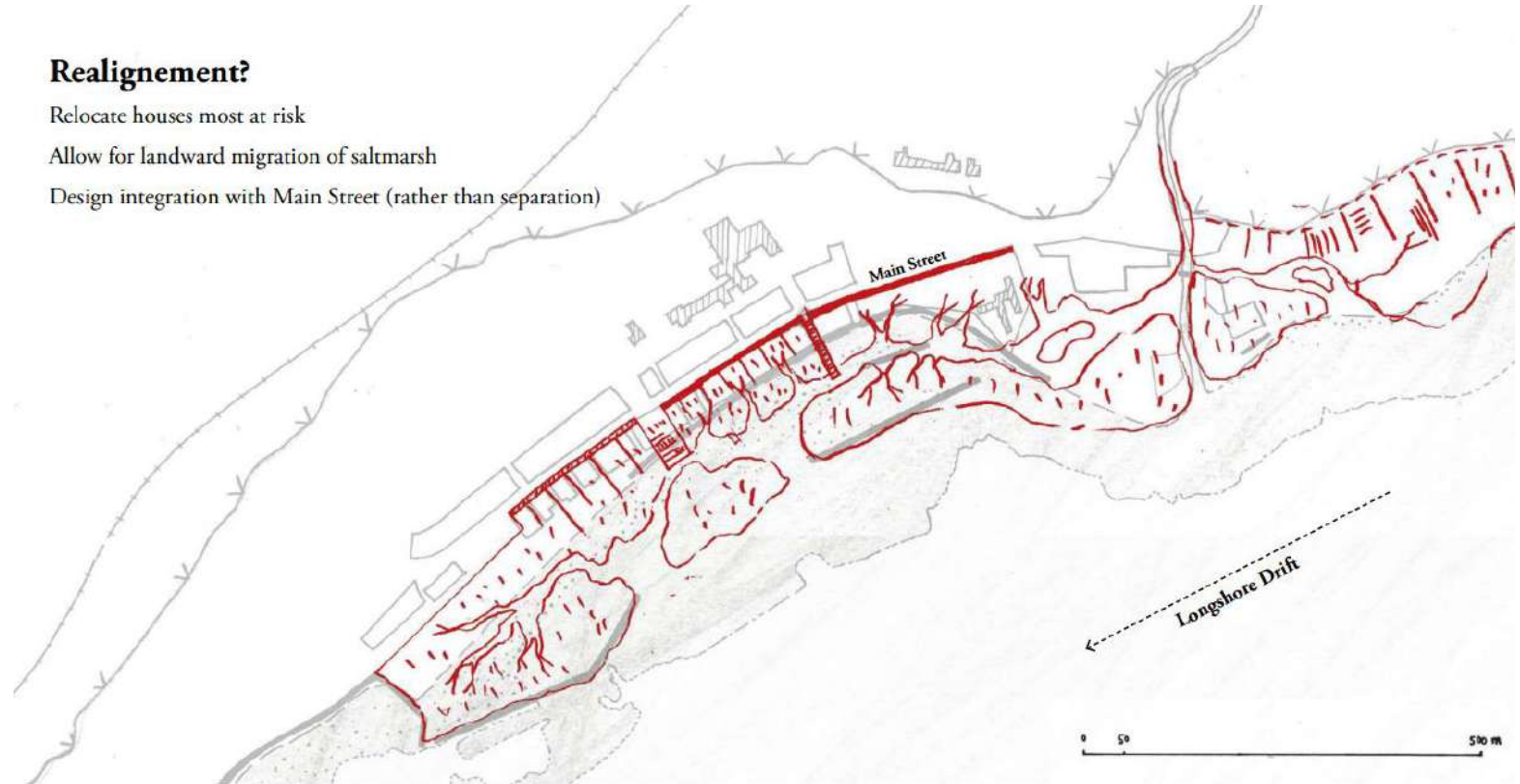


Community Voices

- Ambition and optimism for Golspie's future
- Desire to retain visual character of the village
- Openness to nature-based solutions, but sceptical of performance

Results

- Failed to progress beyond the GGA pathfinder
- Secured £20,000 SMEEF funding for saltmarsh research
- Continued relationships with project partners
- Enduring links with key community figures
- Stronger understanding of community, environmental and financial needs of Golspie
- Raised awareness of coastal erosion and flooding across Highland
- Started important conversations about the future of Golspie





What does the
future look like for
Golspie?



Thank You





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Session One Community Aspirations

Mandelai Wolfe, Lyme Bay
Fisherman's CIC

A model for small-scale coastal
fleet representation; for
fishermen, by fishermen

24th & 25th January, 2024

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For fishermen, by fishermen....



For fishermen, by fishermen....



For fishermen, by fishermen....



For fishermen, by fishermen....



For fishermen, by fishermen....



For fishermen, by fishermen....



For fishermen, by fishermen....



For fishermen, by fishermen....



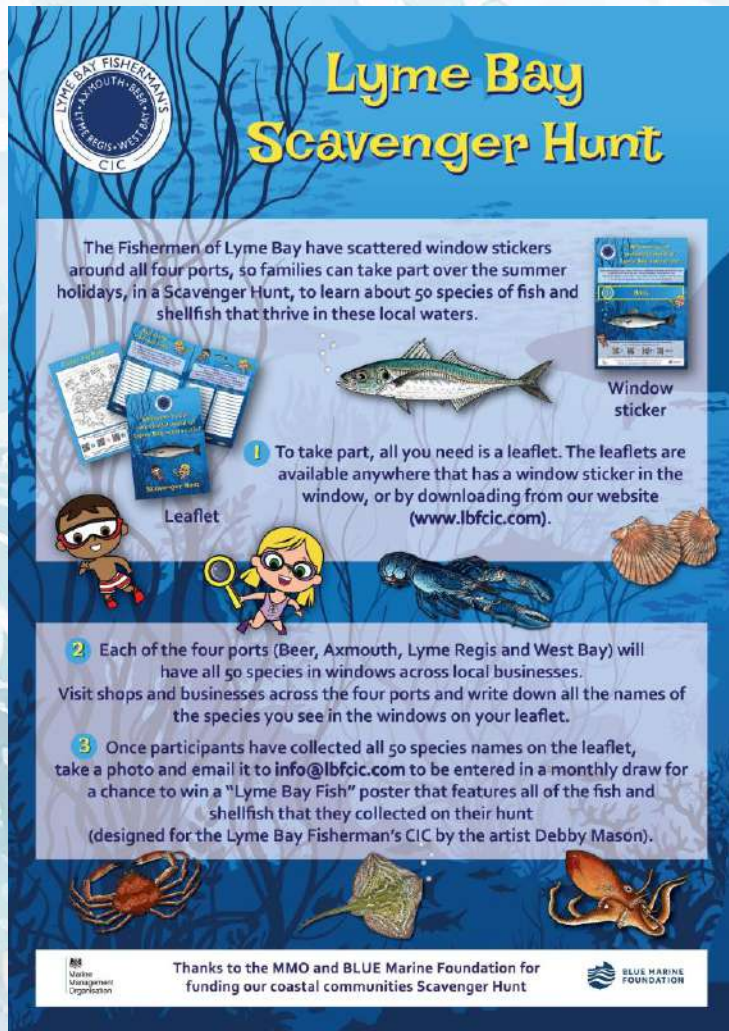
For fishermen, by fishermen....



For fishermen, by fishermen....



For fishermen, by fishermen....



Lyme Bay Scavenger Hunt

The Fishermen of Lyme Bay have scattered window stickers around all four ports, so families can take part over the summer holidays, in a Scavenger Hunt, to learn about 50 species of fish and shellfish that thrive in these local waters.

Window sticker

Leaflet

1 To take part, all you need is a leaflet. The leaflets are available anywhere that has a window sticker in the window, or by downloading from our website (www.lbfcc.com).

2 Each of the four ports (Beer, Axmouth, Lyme Regis and West Bay) will have all 50 species in windows across local businesses. Visit shops and businesses across the four ports and write down all the names of the species you see in the windows on your leaflet.

3 Once participants have collected all 50 species names on the leaflet, take a photo and email it to info@lbfcc.com to be entered in a monthly draw for a chance to win a "Lyme Bay Fish" poster that features all of the fish and shellfish that they collected on their hunt (designed for the Lyme Bay Fisherman's CIC by the artist Debby Mason).

Thanks to the MMO and BLUE Marine Foundation for funding our coastal communities Scavenger Hunt

MMO Marine Management Organisation

BLUE MARINE FOUNDATION



Welcome to the wonderful world of Lyme Bay marine life!

Download the scavenger hunt to find more creatures and posters around the town or ask inside for an entry form. Once completed, take a picture and send to info@lbfcc.com to enter our monthly draw for a chance to win one of our fabulous Debby Mason Fish posters that show all the fish.

46 Queen Scallops

With special thanks to local artist Debby Mason for use of her artwork, more can be viewed at debbymason.com

For more information about the Lyme Bay Fisherman's CIC visit lbfcc.com

Thanks to the MMO and BLUE Marine Foundation for funding our coastal communities Scavenger Hunt

MMO Marine Management Organisation

BLUE MARINE FOUNDATION



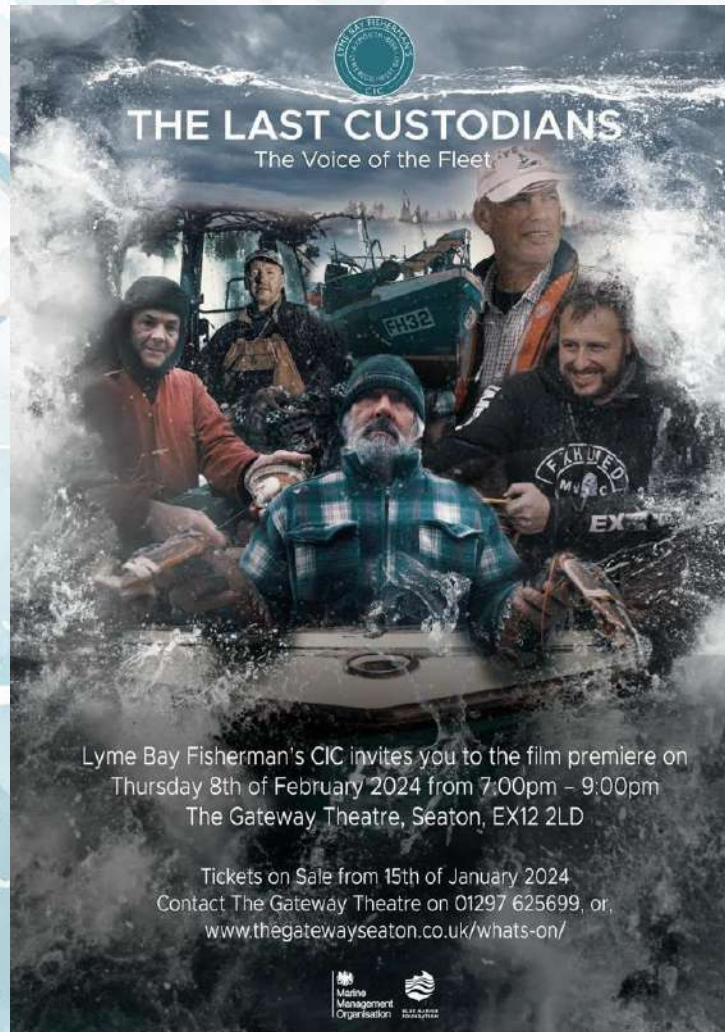
For fishermen, by fishermen....



For fishermen, by fishermen....



For fishermen, by fishermen....



For fishermen, by fishermen....



For fishermen, by fishermen....



For fishermen, by fishermen....



For fishermen, by fishermen....



For fishermen, by fishermen....



For fishermen, by fishermen....



For fishermen, by fishermen....



For fishermen, by fishermen....



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Session One

Community Aspirations

Elaine Hayes, Chief Executive
Plymouth Sound National
Marine Park

Coastal Futures Conference 2024

An inclusive future for our seas

Developing a marine identity for
people, planet and place

Plymouth Sound National Marine Park

- developing a marine identity
for people, planet and place

Elaine Hayes



Credit Paul Naylor



Background to the National Marine Park

- Declared in 2019 by Leader of the Council
- Extensive consultation with local people and communities
- It is a declaration not a designation
- Submitted £22m bid to NLHF Horizons Fund to develop and deliver the UK's first National Marine Park
- Working locally and nationally to deliver the roadmap for National Marine Parks
- Developing a 5 year Delivery Plan and sustainable funding model



Vision for the National Marine Park

Our National Marine Park will value the environment, heritage and economy of Plymouth Sound and its estuaries.

It is where people and planet will come together to realise a new, sustainable relationship with the sea.



Horizons Project

- £22m project
- Capital regeneration as nodes for activity
- £1m+ on nature
- £1m+ to create the world's first digital marine park
- £5m on connecting people to planet
- To create an entire city of marine citizens!
- To connect with 10 million people worldwide





Horizons Project

- £6m

People objectives

- To create an entire city of marine citizens!
- To connect with 10 million people
- To effect behavioural change to help nature to recover





Definition of marine citizenship

“Having an understanding of the individual rights and responsibilities towards the marine environment; having an awareness and concerns for the marine environment and the impacts of individual and collective behaviours, and having a desire to have a role in ensuring ongoing sustainable management of the marine environment “



the MAP of Your Mind



Or.....

- Love it
- Learn about it
- Connect to it
- Act to save it



Community Focus	2024	2025	2026	2027	2028
Engage and Experience	<ul style="list-style-type: none"> Target Audience – YP + LIF <ul style="list-style-type: none"> NMP Swim Safe Digital Leader Project NMP Festival Sea in the City HE/FE Student programme 	<ul style="list-style-type: none"> Target Audience – Health Needs Digital Satellite Project NMP Festival Sea in the City 	<ul style="list-style-type: none"> Target Audience – Cultural Diversity 	<ul style="list-style-type: none"> Focus on remaining barriers identified through evaluation. 	<ul style="list-style-type: none"> Focus on remaining barriers identified through evaluation. Transition to BAU status
Learn and Discover	<ul style="list-style-type: none"> Schools Programme <ul style="list-style-type: none"> 15 for pilot session – Delivery 15 identified for long term engagement – Train the Teacher HE/FE Student programme 	<ul style="list-style-type: none"> Schools Programme 	<ul style="list-style-type: none"> Schools Programme Digital Leader Project NMP Festival Sea in the City 	<ul style="list-style-type: none"> Schools Programme 	<ul style="list-style-type: none"> Schools Programme
Connect and Act	<ul style="list-style-type: none"> Volunteer Programme <ul style="list-style-type: none"> Focus – YP & LIF 	<ul style="list-style-type: none"> Volunteer Programme <ul style="list-style-type: none"> Focus – Health Needs 	<ul style="list-style-type: none"> Volunteer Programme <ul style="list-style-type: none"> Focus – Cultural Diversity 	<ul style="list-style-type: none"> Volunteer Programme <ul style="list-style-type: none"> Vol led activity Digital Satellite Project NMP Festival Sea in the City 	<ul style="list-style-type: none"> Volunteer Programme <ul style="list-style-type: none"> Vol led activity Digital Leader Project NMP Festival Sea in the City

Evaluation using an R&D mindset

- Evaluation framework agreed with NLHF
- Each stage of the process will be assessed to understand the journey
- Iterative so annual review and adjust
- Digital first approach to gather as much data as possible





NATIONAL MARINE PARKS

NATIONAL FRAMEWORK AND GUIDING PRINCIPLES



PHOTO: GEORGE KORBUS



ABOUT US PROJECTS NEWS + MEDIA CONTACT SUPPORT US THEREANBERRIDGE



COMMITTING TO NATIONAL MARINE PARKS

September 05, 2022

SHARE



BLUE MARINE FOUNDATION

A COASTAL AND MARINE NATIONAL PARK IN YOUR AREA?

A BRIEFING FOR SCOTTISH COMMUNITIES FROM BLUE MARINE FOUNDATION

PHOTO: PAUL RICHARDS



BLUE MARINE FOUNDATION

GUIDANCE FOR NATIONAL MARINE PARK EVOLUTION

NATIONAL MARINE PARK GUIDANCE

Scoping activities across the UK and research conducted with key stakeholders in Plymouth, have revealed ten recommended steps towards NMP evolution.

There is national appetite for NMPs and widespread recognition that the clear potential huge opportunity to deliver benefits for the environment, social and economic, and for nature and marine resources, requires a coordinated approach. This national appetite has been for one location to consider when evolving a NMP. They are also seeking opportunities, recognising it is important to acknowledge that the creation and management of a NMP requires a broad range of stakeholders.

Ten steps towards a National Marine Park

Our research evidence for NMP evolution are presented in ten steps which answer the basic questions:

Why?

1. Understand the vision and purpose

What?

2. Explore environmental and social, economic, benefits and challenges

Where?

3. Review the Data Requirements

What?

4. Explore national and local assessment and marine experts

5. Build political support and encourage local engagement

How?

6. Develop a governance structure from the start

7. Establish a governance structure, key roles and responsibilities

8. Develop a business and management plan

9. Secure sustainable funding

10. Develop a monitoring and evaluation plan

STEPS

National Marine Parks

Delivering the Vision

Online Workshop

Tuesday 27th February 2024

11:00 – 16:00

REGISTER [HERE](#)



BLUE MARINE
FOUNDATION





Credit Neil Garrick Maidment



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Coastal Futures Conference 2024

An inclusive future for our seas

Session One **Community Aspirations**

Jetske Germing, Wales Coast
and Seas Partnership

Investment, literacy and capacity
building - actions for future
generations

24th & 25th January, 2024

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Llywodraeth Cymru
Welsh Government



Wales Coasts and Seas Partnership (CaSP Cymru)

Towards Marine Resilience in Wales

Investment, literacy and capacity building – actions for future generations



Jetske Germing

Managing Director, Pembrokeshire Coastal Forum CIC

Jetske.germing@pembrokeshirecoastalforum.org.uk



Getting people on board with sustainable sea solutions



Our Vision:

Sustainable coasts
and ocean for future
generations

Our Mission:

To inspire,
collaborate and
deliver solutions for
sustainable coastal
communities

Marine
Renewable
Energy

Responsible
Recreation

Climate
Adaptation

Coastal
Education &
Skills

Water
Quality &
Land Use

Aquaculture



Our Story so far

Pembrokeshire Coastal Forum Timeline

Pembrokeshire Coastal Forum is formed

2000

2002

2003/4

2005

Over two decades ago, Pembrokeshire Coastal Forum was created to bring people together to tackle competing pressures on our land and seascapes and deliver collaborative sustainable solutions. At the time, the legacy of the 1996 Sea Empress oil tanker disaster, of shore oil exploration, and growing recreational and commercial activities around the coast were challenging – and in some cases dividing – communities and policy makers. They were also a driving force behind ambitious new plans to introduce Integrated Coastal Zone Management (ICZM) in the region and the realisation that a dynamic, independent

local platform was needed to unite diverse stakeholders around protecting the coastline while sustaining and building a vibrant economy.

The need for such a platform is greater now than ever. PCF is evolving to help coastal communities and industries enjoy responsible recreation, build resilience, adapt to climate change, and lead the way towards a Net Zero carbon future by facilitating exciting opportunities, skills and jobs in marine renewable energy, responsible recreation, payment for ecosystem services, climate adaptation and sustainable aquaculture.



Pembrokeshire Outdoor Charter Group established to promote sustainable use of landscapes
Pembrokeshire Marine Code created to encourage respect for environment, wildlife and other users

PCF hosts its first of more than 50 Environmental Training Sessions and develops the first waterproof wildlife fact sheets for use by outdoor instructors



2007

Marine Code for Sea Kayakers released in collaboration with Welsh Canoeing Association



2009

PCF assists Welsh Government to produce new ICZM strategy for Wales



Coastal Communities Adapting Together (CCAT) climate project begins work in Wales and Ireland
First phase of META opens for business
PCF and Pembrokeshire Marine SAC coordinate stakeholder engagement for UK's biggest ever seagrass restoration project to plant 1 million seeds in Dale Bay



Swansea Bay City Deal signs of Pembroke Dock Marine project to create world class marine energy hub
Hundreds of people attend PCF online environmental training events during COVID lockdown
MEW chairs webinars at Wales' first Climate Week



Marine license secured and META becomes fully operational with the first device successfully deployed
PCF and MEW actively support COP26 roadshows ahead of COP26 in Glasgow



Marine Code App expands into Wales Coast Explorer App, covering the entire Welsh coast
Stakeholder workshops held to develop a Pembrokeshire-wide Climate Adaptation Strategy
Wales' First Minister visits Marine Energy Wales to launch new State of the Sector report

2019

2020

2021

2022

2018

2017

2016

2015

PCF host series of public events on Welsh National Marine Plan on behalf of the Welsh Government



Pembrokeshire Marine Code launches App, including citizen science recording opportunities
PCF puts forward the idea of a Marine Energy Test Area (META) and secures funding from Welsh European Funding Office and Coastal Communities Fund
Marine Energy Wales wins Wales Green Energy award for most outstanding advocate



Our innovative Marine Code Buoys mark the boundaries of 4 wildlife areas around the Pembrokeshire coast
Marine Energy Pembrokeshire becomes Marine Energy Wales (MEW)
PCF wins Gynnal Cymru Sustain Wales Award for sustainable social enterprise

2010

PCF helps form nationwide Wales Adventure Tourism Organisation (WATO)
Marine Energy Pembrokeshire is created

2011

First Coastal Challenge Days are held

2012

PCF holds stakeholder events on proposed Highly Protected Marine Conservation Zones

2013

PCF is registered as a Community Interest Company with a voluntary board of directors

www.pembrokeshirecoastalforum.org.uk/timeline



“Establishing Wales as a global leader in sustainable marine energy generation”



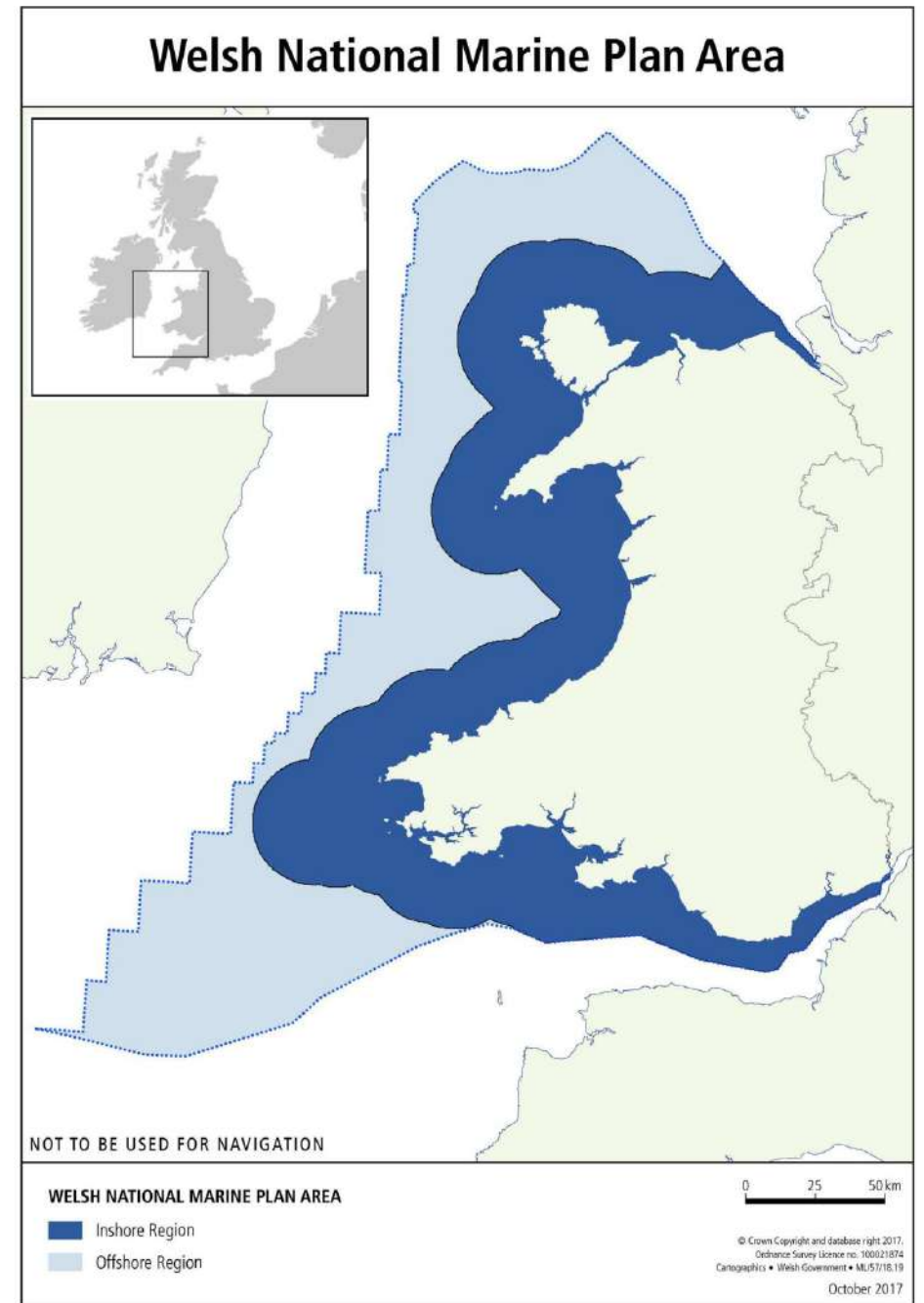
Celtic Sea
Developer Alliance



**CELTIC SEA
CLUSTER**



**Doubling
the size of Wales**





Llywodraeth Cymru
Welsh Government



Ymddiriedolaethau Natur
Cymru
Wildlife Trusts
Wales



Llywodraeth Cymru
Welsh Government



Cyfoeth
Naturiol
Cymru
Natural
Resources
Wales



Marine Aggregates



Prifysgol
Abertawe
Swansea
University



Pysgotwyr Môr Sea Anglers

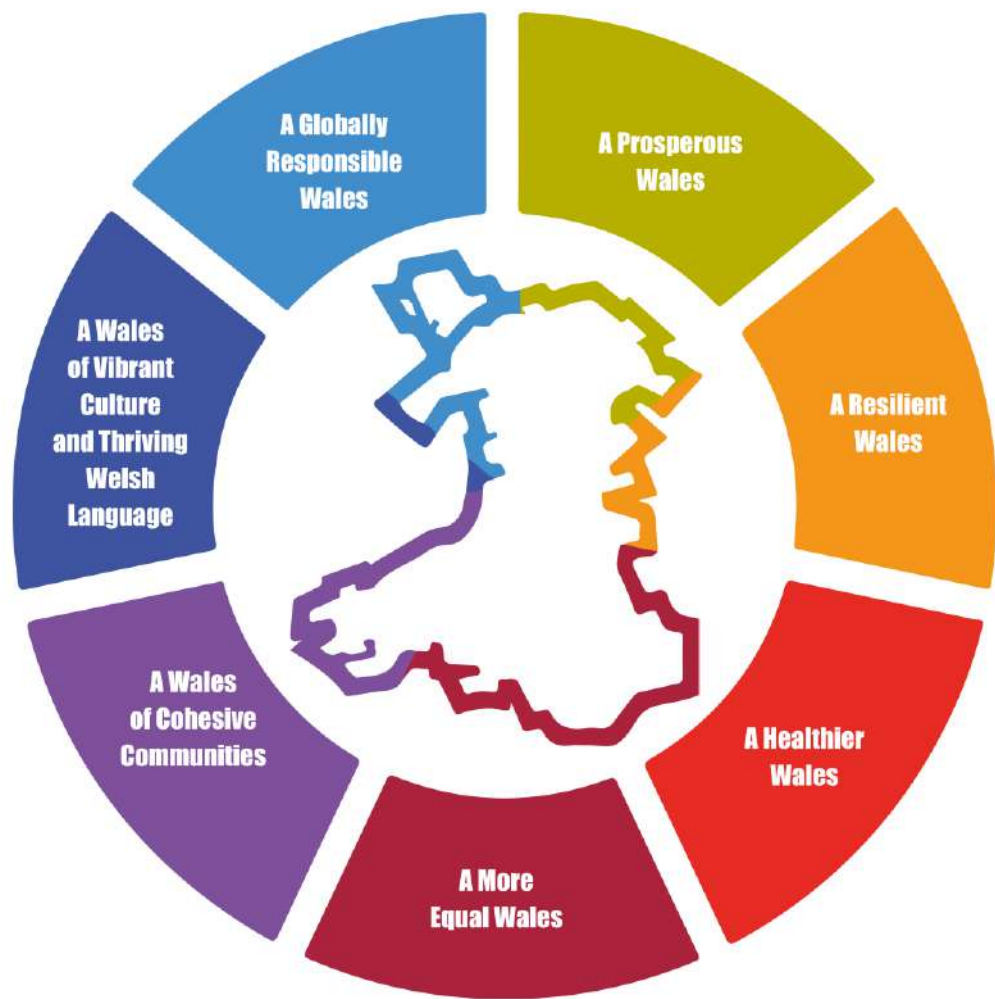


Ymddiriedolaeth
Genedlaethol
National Trust



Wales Coasts and Seas Partnership (CaSP Cymru)

Towards Marine Resilience in Wales



The Five Ways of Working



Long-term

The importance of balancing short-term needs with the needs to safeguard the ability to also meet long-term needs



Integration

Considering how the public body's well-being objectives may impact upon each of the well-being goals, on their objectives, or on the objectives of other public bodies



Involvement

The importance of involving people with an interest in achieving the well-being goals, and ensuring that those people reflect the diversity of the area which the body serves



Collaboration

Acting in collaboration with any other person (or different parts of the body itself) that could help the body to meet its well-being objectives



Prevention

How acting to prevent problems occurring or getting worse may help public bodies meet their objectives

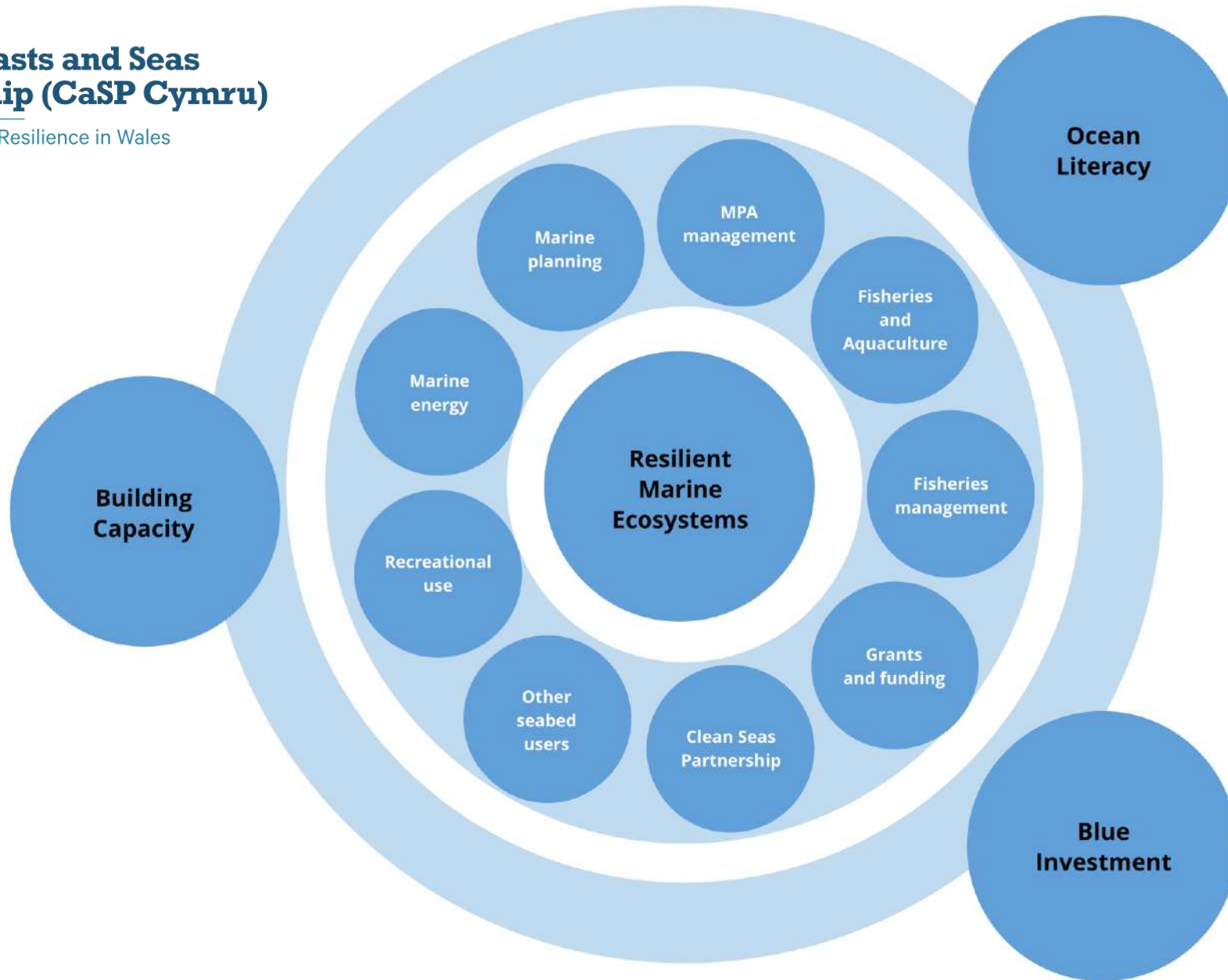


Wales Coasts and Seas Partnership (CaSP Cymru)

Towards Marine Resilience in Wales



Llywodraeth Cymru
Welsh Government





**Wales Coasts and Seas
Partnership (CaSP Cymru)**

Towards Marine Resilience in Wales

Ocean Literacy in Wales - Y Môr a Ni



Llywodraeth Cymru
Welsh Government

raising the profile

working group

existing work - increase impact and fill gaps

strategy and action plan

engagement consultation



Y Môr a Ni:

Reconnecting people to Welsh coasts and seas

Vision:

People are connected to, understand and value our Welsh coasts and seas, making informed decisions, that support a safe and sustainable relationship between them.

Contact:

Kathryn.Hughes@cyfoethnaturiolcymru.gov.uk

OCEAN LITERACY IN WALES Timeline





**Wales Coasts and Seas
Partnership (CaSP Cymru)**

Towards Marine Resilience in Wales

Blue Investment



Llywodraeth Cymru
Welsh Government

Marine Cymru Governance

DEVELOPERS

- Provide vital investment to distribute to charitable and voluntary sector organisations
- Align priorities, deliverables and conditions between developers vision and that of the fund
- Impact reports back to development to demonstrate the difference made by the investment provided

STEERING GROUP

- Sets the top level strategy and direction of the fund
 - Reviews impact and outcomes
- Works collaboratively to secure new investors
- Agrees and reviews ethical approach of the fund

DELIVERY AND IMPACT

FUND MANAGER (WCVA)

- Provide expert grant management services
- Undertake all outreach, assessment, monitoring and evaluation
- Report to Developers, Steering Group and Advisory Panel
- Holds and distributes funds provided
- Undertakes promotion, communication and marketing

ADVISORY PANEL

- Expert advisory panel across subjects and sectors with relevant technical and community expertise
- Provide scrutiny, assurance and approval to the funding awards that are proposed by Fund Manager
- Ensure any conflicts of interest are managed appropriately



Llywodraeth Cymru
Welsh Government



Wildlife Trusts
Wales
Ymddiriedolaethau Natur
Cymru



**Wales Coasts and Seas
Partnership (CaSP Cymru)**

Towards Marine Resilience in Wales

Building Capacity



Llywodraeth Cymru
Welsh Government

Coastal Capacity Building Fund 2022-23 examples



Anglesey - Menai Strait Sustainable Catchment Management Initiative



Vale of Glamorgan - Glamorgan Coast Forum

Partneriaeth Natur Lleol
Bro Morgannwg
Vale of Glamorgan
Local Nature Partnership



Pembrokeshire – Marine Energy Engagement Plan



Marine Energy Engagement Plan (MEEP) Report

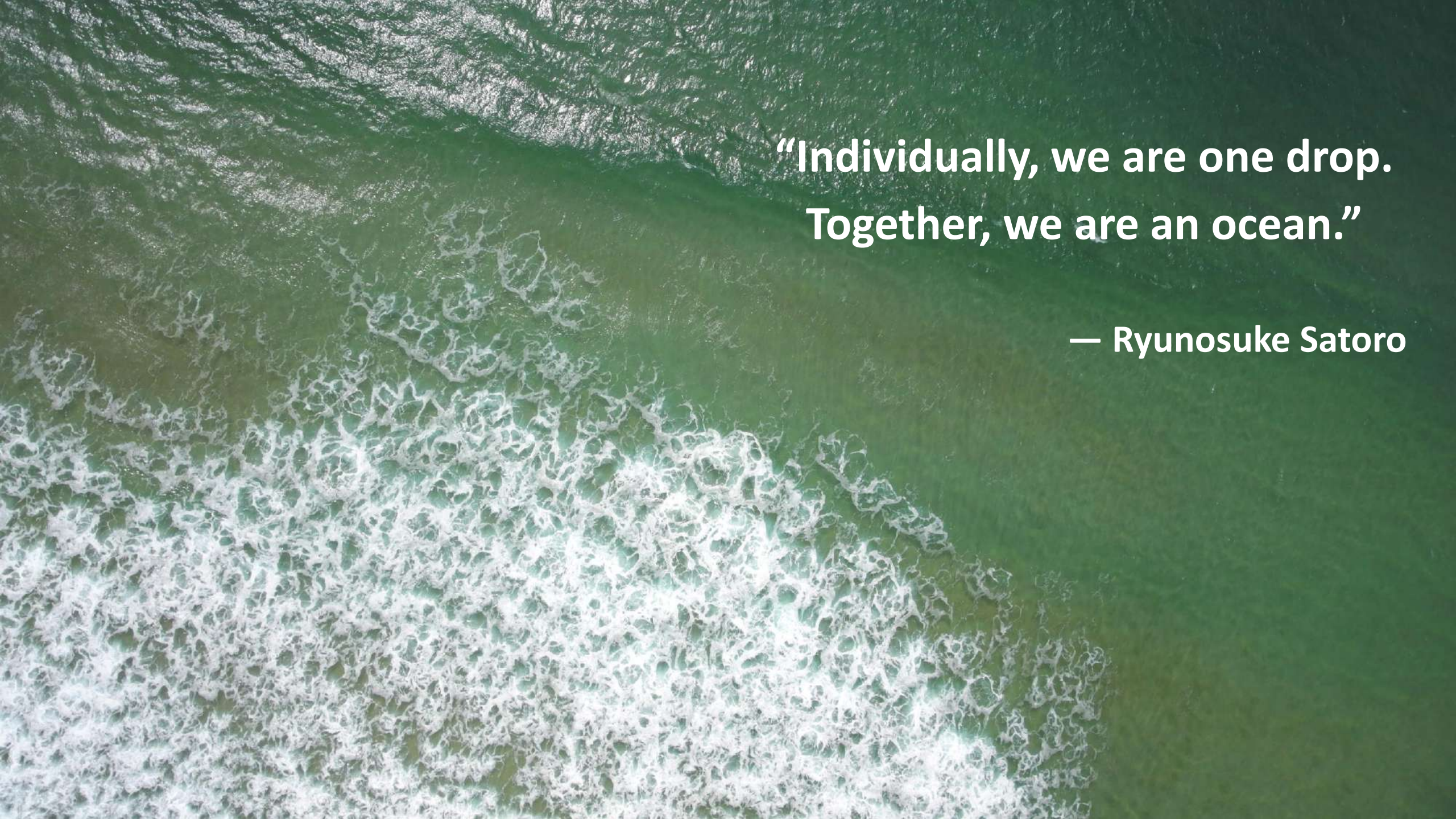
2 May 2023



This project is funded by Welsh Government's Coastal Capacity Building Challenge Fund, administered by WcVA. Ariennir y prosiect hwn gan Gronfa Her Meithrin Gallu Arfordirol Llywodraeth Cymru, a weinyddir gan WcVA.

Inclusivity



An aerial photograph of the ocean with white-capped waves breaking against a dark green background. The text is overlaid on the upper right portion of the image.

**“Individually, we are one drop.
Together, we are an ocean.”**

— Ryunosuke Satoro



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Q&A

www.slido.com

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Session One Panel Debate

Community Aspirations

How are coastal and marine practitioners responding to the inclusivity agenda?

Chair: Sarah Young, WWF

Samantha Richardson MBE, National Coastal Tourism Academy

Nicola Rimington, Natural Resources Wales

Joe Perry, Highland Council

Mandelai Wolfe, Lyme Bay Fisherman's CIC

Elaine Hayes, Plymouth Sound National Marine Park

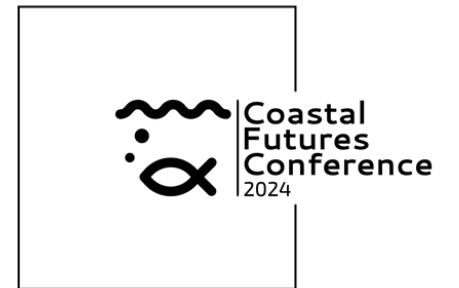
Jetske Germing, Wales Coast and Seas Partnership





Refreshments

12:20 – 13:30



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