Innovative ways of approaching NBS in coastal and estuarine cities

SARCC Conference, December, 2022

Amy Pryor Technical Director, Thames Estuary Partnership Chair, Coastal Partnerships Network

Thames Estuary Partnership

Delivering Locally, Connected Nationally

Founding partners



Supporting sustainable waters

Enhancing biodiversity

Increasing skills through inclusive community delivery

thamesestuarypartnership.org



'Cross-sectoral, place-based partnerships advocating the implementation of the ecosystem approach, sustainable use of marine resources and integrated, coordinated management across a stretch of coastline or estuarine system'

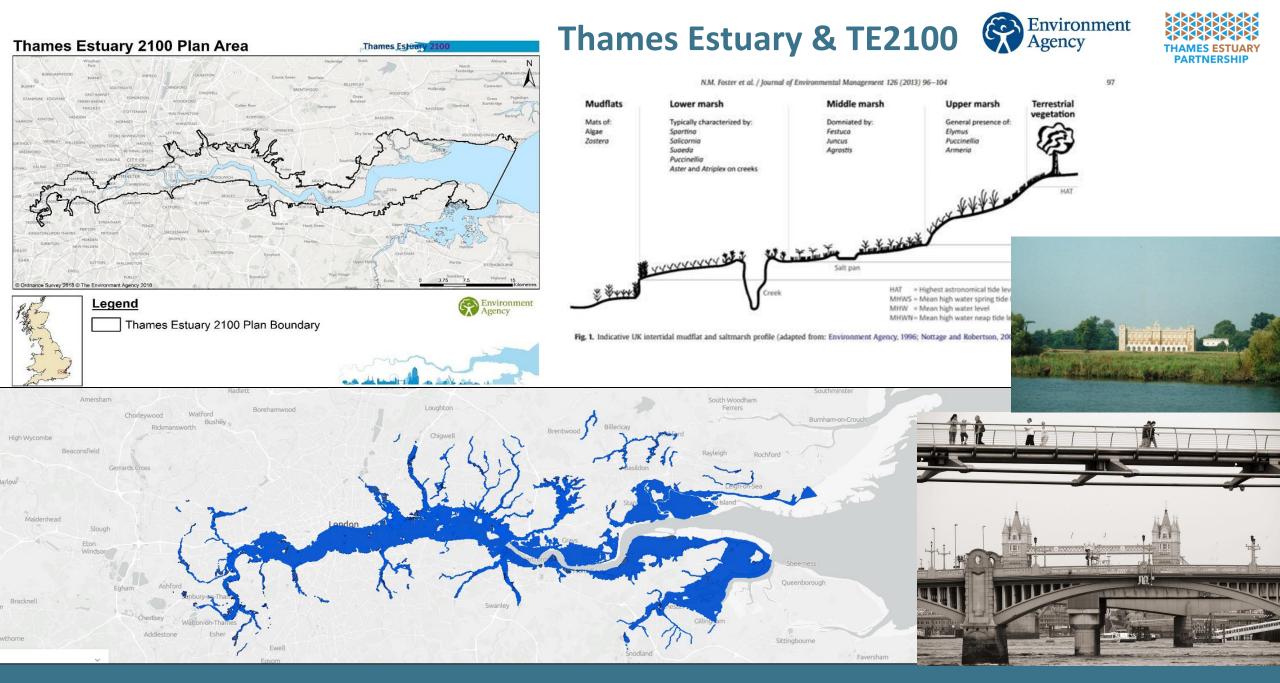
Coastal and Estuary Partnerships



Connecting across socio-economic and environmental needs, across catchment, coast

and marine

Harmonising funding: Accessing and **Coordination at the Coast:** instruments with integrated policy and resilience through integration Vertical Integration: Working to distil, **Coastal Partnership leverage 5 key functions:** Accessing funding Horizontal Integration: Bridging Vertical Integration Horizontal Integration along the coast and across the land-sea interface at nested scales. Bottom-updelivery Communications for Coordination: Engaging and convening stakeholders from all sectors to co-create solutions to priority issues. Local Impact and Delivery: Translating national drivers in to meaningful action through partnerships and dialogue







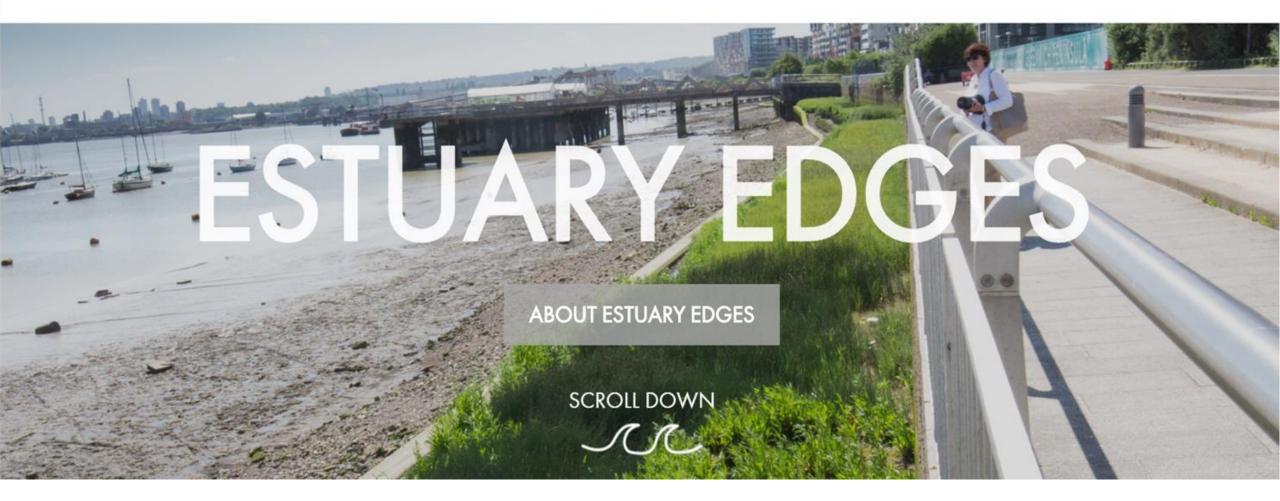










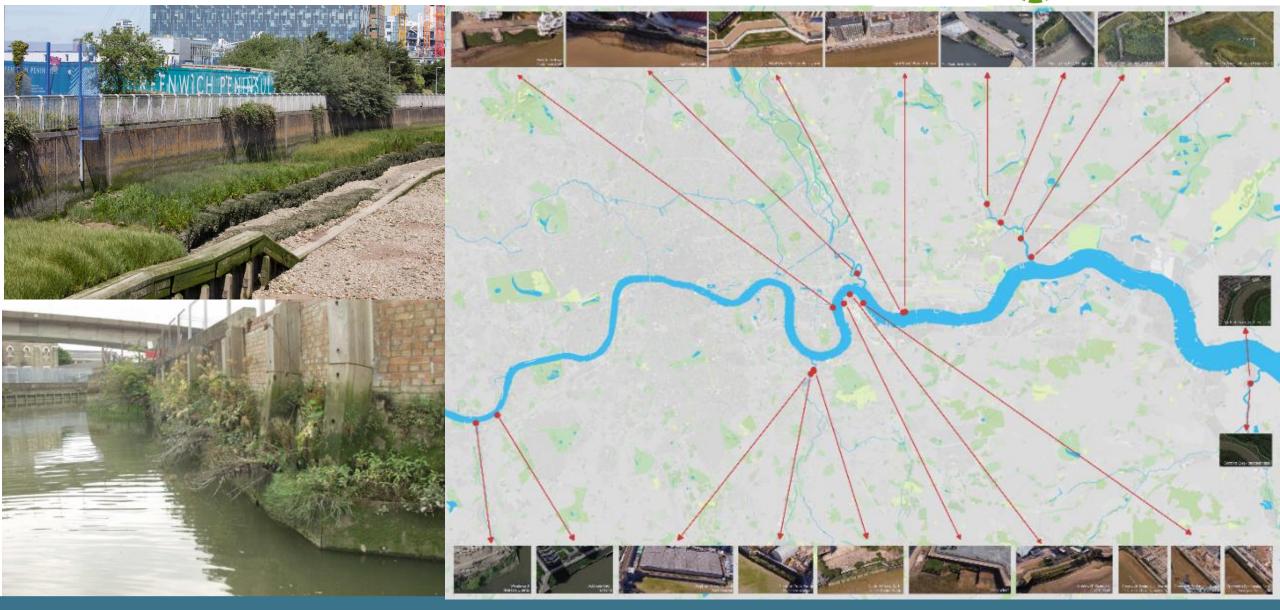


estuaryedges.co.uk

Estuary Edges Guidance for Developers



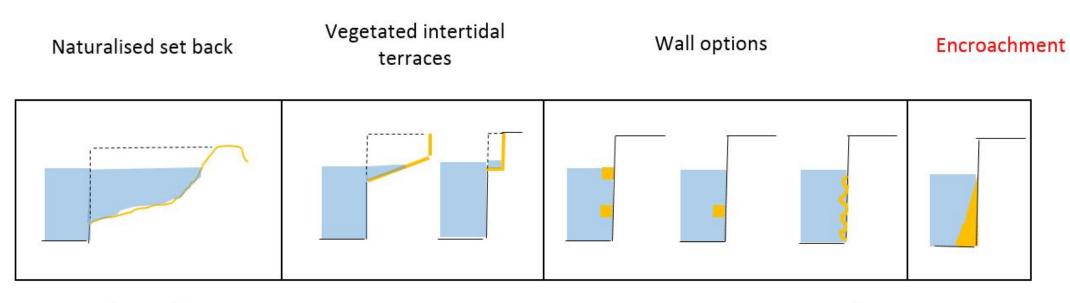




Types of Estuary Edges









Naturalised Set Back

- Most natural option but not many places in tidal Thames where this can be achieved
- Take out flood defence wall
- Landscape gradient for vegetation and wildlife
- Planting of reeds
- Now a significant bass nursery area





PORTOF

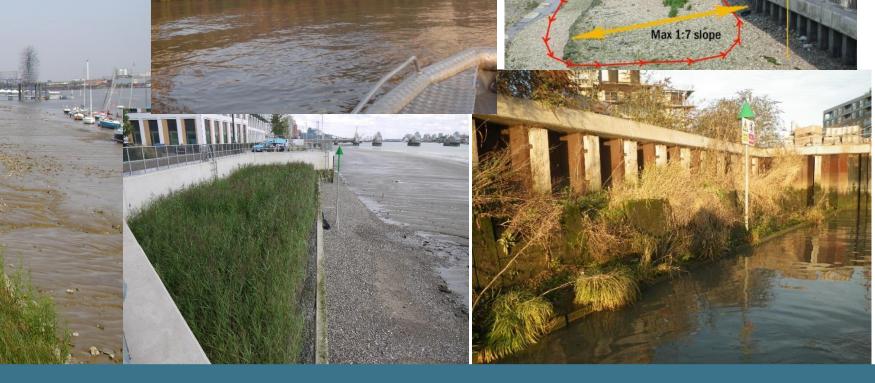
Environment Agency

Intertidal Vegetated Terraces





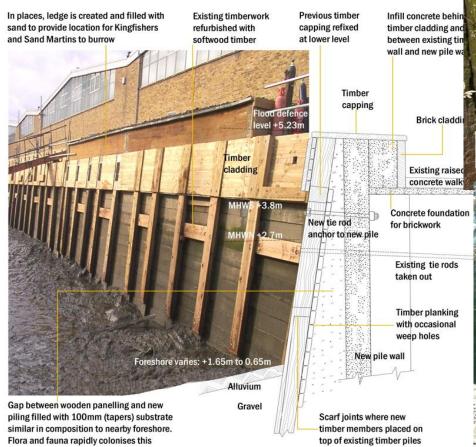
- Require space to 'set back' the river wall to allow space to create the terraces
- Have a continuum from the foreshore to the upper terraces without vertical edges
- Have multiple elevations, not just one high level terrace.
- Have deep fill and good drainage.



Wall Options

PORTOF LONDON AUTHORITY Environment Agency HAMES ESTUARY PARTNERSHIP

- Best urban option
- Bolt on timbers
- Window box style
- Great for flora and fauna

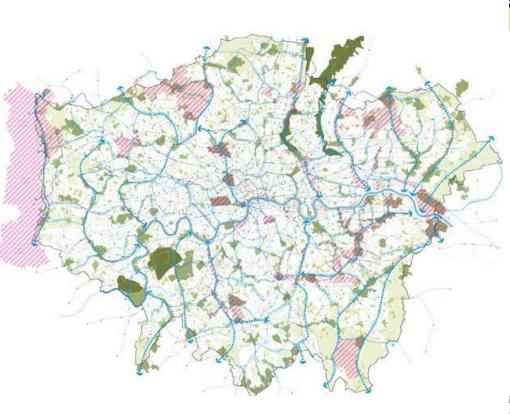




A String of Pearls: replacing lost saltmarsh



- Innovation needed joining up GI and coastal
- GLA Green Infrastructure Partnership
- LNRS





Royal Wharf: Reconnecting the floodplain in tidal areas





- Surface water drainage under terrace
- Developer led innovation
- Into terrace better NBS



Thames Estuary Partnership - Delivering locally, sharing knowledge and approaches nationally

Regional restoration mapping and beneficial use



- Coastal habitat restoration planning 1st ground truth of national maps
- Beneficial Use
 - Thames Sustainable Sediment
 WG
 - EA Sediment Resource Database
 - Solent BUDs
- CaBA ECWG
 - Sediment a key area for catchment to coast collaboration

Chelmsford Chesh Basildo 1:577,791 3/30/2022, 11:13:09 AM 12 mi Current restoration projects (point) Fobbing Marshes Current restoration projects (polygon) Flood Storage Gamtin, FAO. © OpenStreetMat Local knowledge edits to EA habitat potential maps Historic_Landfill_Sites Managed Re-alignments Seagrass_Potential ZSL & TEP

Coastal Habitat Restoration in the Thames

Building the evidence through training and skills initiatives





Education & Skills Funding Agency



more

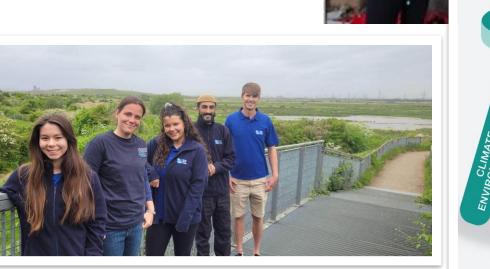


- Increasing employability of young people through transferable and core life skills training
- Kick starting environmental careers
- Addressing lack of diversity in environmental sectors
- Strong environmental message
- Reconnecting people to nature



JUST TRANSITION

NOMIC AND EQUIT



ARE YOU AGED 16-25? **ARE YOU NOT IN EDUCATION EMPLOYMENT OR TRAINING?**

Increase your employability, access our network and gain new opportunities.

The Thames Estuary Partnership (TEP) have a whole host of life-long skills which are transferable into any industry, which can be learned through an environmental project and be a foundation for entry into green jobs

We are piloting a modular training programme in Barking and Dagenham. Using the River Roding, Barking Creek and the tidal Thames as the classroom, the modular training programme has both virtual and hands-on learning opportunities

The programme runs from: 21st November 2022 to 17th February 2023.

16-25 year olds (Not in Education Employment or Training) and adult learners can apply: Deadline for applications is 18th November 2022.

The Training Programme

The life-long skills, modular programme

ntroduction to MS Office Introduction to Data Science Introduction to Geographic Information System (GIS) Science Introduction to Communication

The optional module 'kick start into an environmental career' includes

Introduction to an Environmental Career Introduction to the Thames Estuary

Benefits of training with TEP include

ncrease vour employability Access to TEP Network – over 1000 contacts ome elements of the course are endorsed by Institute of Environmental Sciences and Institute of Fisheries Management Learn about careers and opportunities along and on the Thames **Careers Networking event in February 2023**

Joint Thames Strategies Refresh





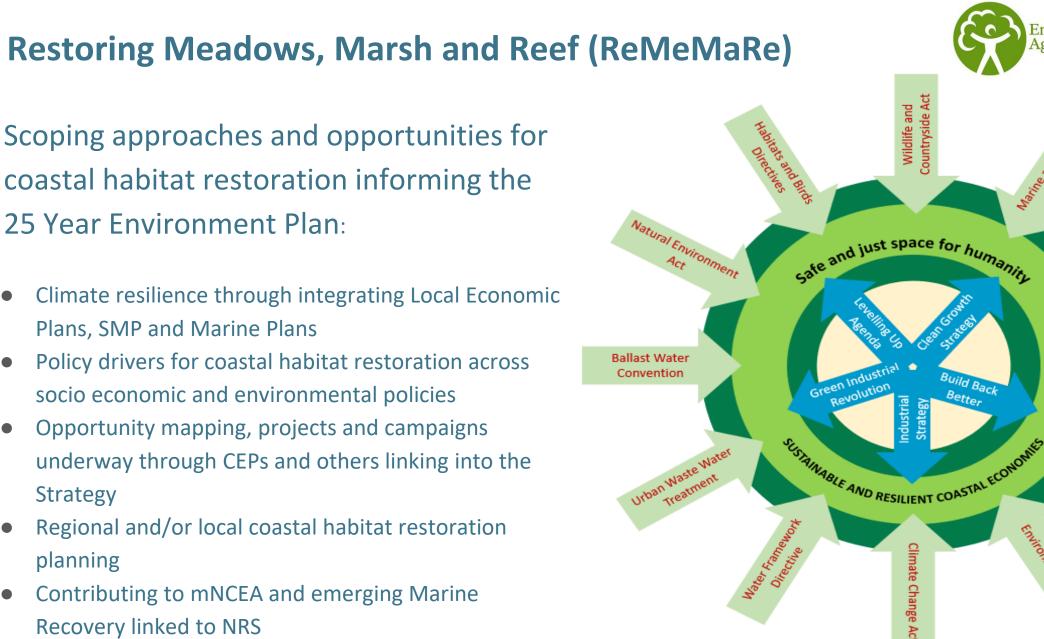


New collaborative 4 year project starting 2023

Updating planning policy

- Refresh of Joint Thames Strategies
- Building on City of London Riverside Strategy
- Flood defence and wider benefits:
- Public realm, access, enhancing biodiversity
- Local Council, local business and community participative decision making
- Local Plan adoption triggers
- Developer delivery & funding
- Partnership funding models





Contributing to mNCEA and emerging Marine **Recovery linked to NRS**

Coastal Partnerships

Network

Marine Policy

Fisheries Act

Environment Act

Statement

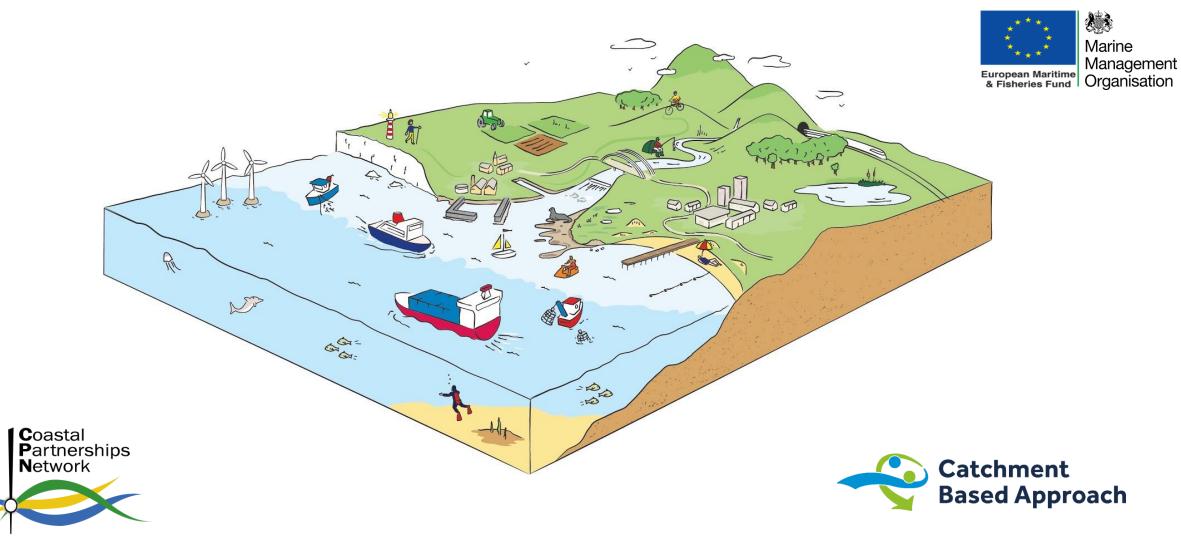
UK Marine Strategy

Environment

Agency

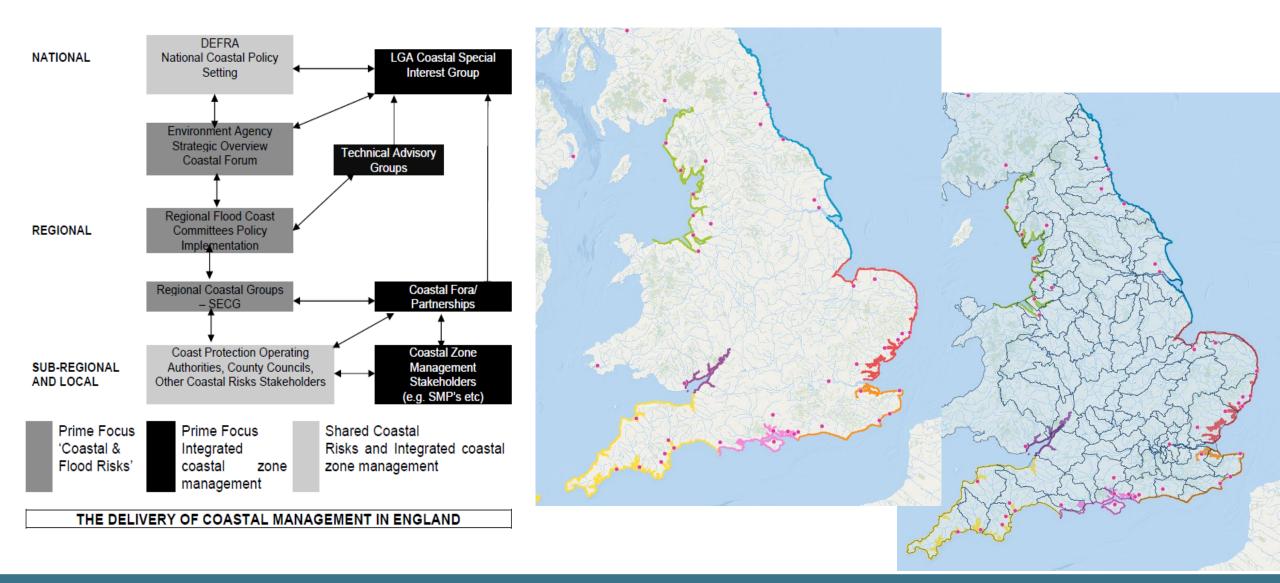
WAMM – Wholescape Approach to Marine Management





NBS/FCERM Delivery Mechanisms – CGN, CPN, CaBA





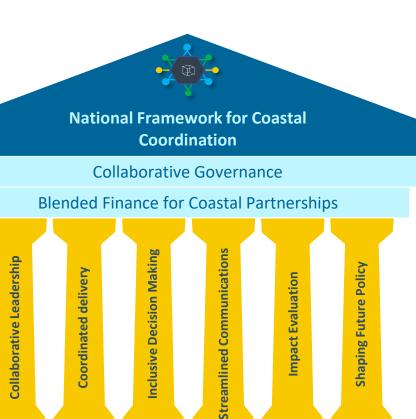
XXX **Championing Coastal Coordination (3Cs)** Environment Department Agency for Environment A National Framework for Coastal Collaboration Food & Rural Affairs

- Co-designing the framework with public, private and civic organisations
- Integrating delivery across socio-economic and environmental needs and targets
- Building collaborative governance •

Building capacity

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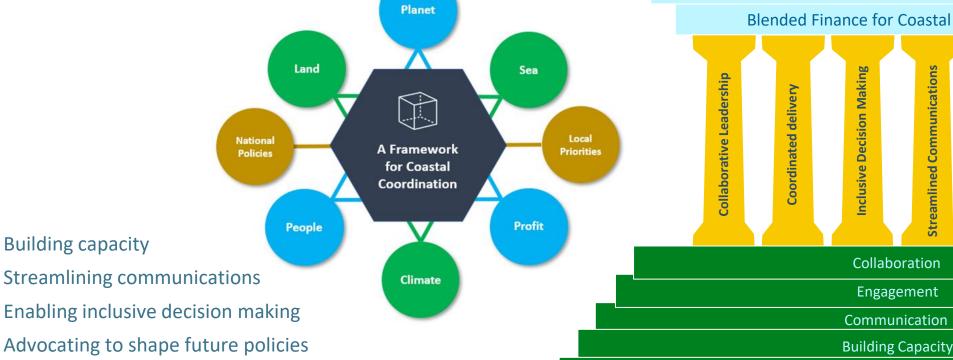


Monitoring & Evaluation

Coastal **P**artnerships

Network

PARTNERSHIP



Improving evidence and evaluation of partnership working

Coastal Partnerships Network – Connected Nationally, Delivering Locally

OneCoast

A public, private and civic consortia working together to enable a united voice to support our coastal communities and environment to be more resilient, sustainable and thrive

OneCoast Priorities

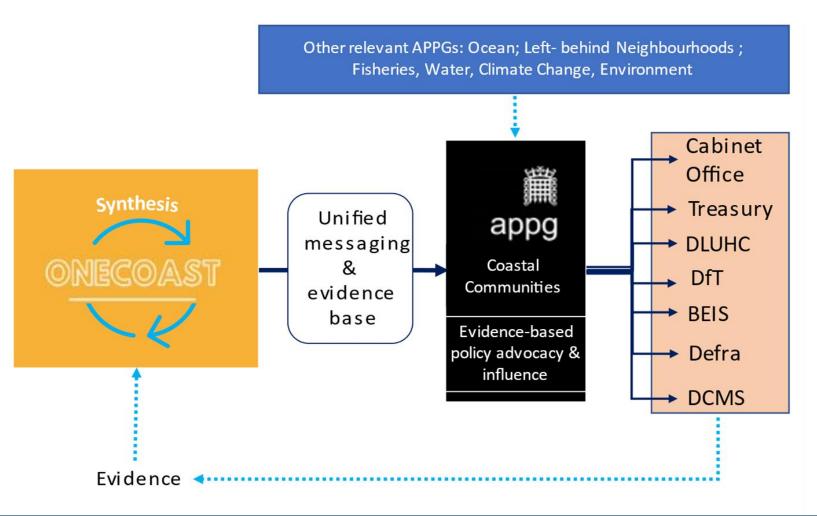
The OneCoast partnership has come together to raise the profile of the Coast and ask the UK Government to:

- Appoint a dedicated Minister for the Coast who can work across Government to deliver change
- Reinstate the Whitehall cross-departmental working group for Coast
- Welcome the government's support for a Coastal Taskforce
- Provide direct investment and support into the Coast's key work streams and activities to aid recovery.



FOUNDATION

mmunities Alliance







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