

Coastal Futures Conference 2024

An inclusive future for our seas





London & online 💦 🌐

www.coastal-futures.net

in Ocean & Coastal Futures





Session Three Delivering a Sustainable Blue Economy

What approaches to decision-making are needed to balance the need for social and economic benefit alongside environmental recovery?

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Dickon Howell, Howell Marine Consulting & OCF Director

Chair









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A Sustainable Blue Economy is the sustainable use of ocean and coastal resources which generates equitably and inclusively distributed benefits for people, protects and restores healthy ocean ecosystems, and contributes to the delivery of global ambitions for a sustainable future.

- UN Environment Programme

Protects, restores and regenerates healthy ecosystems Delivers sustainable consumption and production Enables climate stability and resilience Delivers equitable and inclusive processes and outcomes

Applies circular economy approaches



Session Three

Delivering a Sustainable Blue Economy

Michelle Moore, The Crown Estate

Taking a whole seabed approach to

delivering a sustainable blue

economy

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24th & 25th January, 2024 London & online

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Contents

- The Crown Estate
- Whole Seabed Approach
- Delivery Routemap
- Next Steps



1. The Crown Estate

THE CROWN ESTATE





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.







Habitats Habitat creation Biodiversity Nature recovery





Minerals Reclamation Aggregate dredging Marine mining Coastal Ports and harbours Aquaculture Leisure







2. Whole of Seabed (WoS) Approach

Whole of Seabed Approach

A holistic and cross-sectoral spatial evidence base that will give us deep understanding of the seabed required to meet a range of

future sectoral demands out to 2050

Modelling utilises wide range of data feeds and demand profiles across sectors showing spatial needs:

6 Key sectors covered in Phase 1

Sectors by Q1 2024, and >20 in long-term

250+

10

Datasets used ranging from birds to sediments

>15

Years of spatial modelling capability and evidence development



Analysing this data we are able to

refine Key Resource Areas into

Prime Areas of Opportunity (PAO)

for each sector

We understand the seabed by attributing sector PAOs and all other datasets (e.g. water depth) to each of our c.250,000 hex grid cells

1km

1km

1km

From this we run multi-sector spatial scenarios to 2050 in 5-year intervals, based on:

1. Different objectives on spatial prioritisation between and within sectors (e.g. minimise costs, min impact on other users, max co-location)



2. Different sector demand profiles to capture the uncertainty (e.g. GWs OW needed by 2050 for Net Zero) Nature within WoS: We have been working with stakeholders to gather a wide variety of nature-related datasets, with more work to come.



Ambitions for the future:

Mapping feature-level MPA condition.

Mapping key habitats outside of MPAs and their likely condition.

Comprehensive list of restoration projects.

Incorporating ecosystem service potential into our mapping.

Collating data on how mobile species are using different areas.

Consideration of climate change impacts (e.g., shifts in restoration potential, areas of climate refugia).

If you have data that you think might be valuable to the WoS Programme, please reach out to us.

Whole of Seabed: early analysis shows 6 sectors modelled will accelerate demand for space to 2050 to deliver Net Zero & Nature Recovery

CURRENT

INDICATIVE 2050 VIEW

for 6 sectors and 1 indicative scenario





3. Delivery Routemap

Our 'Delivery Routemap' will help coordinate action for Net Zero & Nature Recovery



how marine space is best used.



with international neighbours.



4. Next Steps

Whole of Seabed' scenarios: where we are now vs where we want to get to with co-testing and partnering

Phase 1 – TCE

(1st phase complete)

Offshore Wind

Electricity cables

Marine Aggregates (sand & gravel)

Telecom communication cables

Carbon Capture & Storage

Nature Recovery

Phase 2 – TCE

(2nd phase to Q4 2023-4) CCS Pipelines

Tidal Energy (stream and range)

Interconnectors (electricity cables that extend to other nations)

Gas Storage

Hydrogen Storage

Partner-led Oil & Gas (& pipelines) Shipping Fishing Defence Coastal Leisure

Further TCE sectors

Aquaculture Wave Energy Hydrogen Generation Energy Conversion Sub Surface Mining Capital Dredging Port & Harbours Geological Disposal Regulating Activities Other minerals





Thank you

<u>Marine | The Crown Estate</u> michelle.moore@thecrownestate.co.uk







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Delivering a Sustainable Blue Economy

Benj Sykes, Ørsted Offshore Wind

Sustainability beyond carbon

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Offshore wind; sustainability beyond

Benj Sykes Head of Environment, Consenting & External Affairs Ørsted

Orsted

carb

We have industry leading sustainability ambitions and actions



2025 **Science-aligned climate** action 2040 98% reduction in emissions intensity¹

Net-zero value chain²



2030 Green energy that revives nature Today No later than 2030, all new renewable energy projects commissioned must have net-positive biodiversity impact

Zero wind turbine blades to landfill

Zero solar panels to landfill



A green transformation that works for people

2030

Governance that enables the right Today decisions

40-60 gender balance in our total workforce and among people leaders (women:men)

We exclusively deploy green and sustainable long-term financing, and all projects are taxonomy-aligned



We aspire to run a business that gives more to nature and society than it takes. Our actions should contribute to fully decarbonizing the world's energy systems while also creating a lasting positive impact on our environment and societies.

Delivering fully sustainable green energy The five key sustainability impacts of green energy projects



Orsted

Our biodiversity ambition

Deliver net-positive biodiversity impact in all renewable energy projects we commission from 2030



Taking action on environmental sustainability......





So what's needed?

- 1. Climate, nature and people need action targets and ambitions are not enough
- 2. Strong collaboration and alignment across stakeholders, including industries, devolved governments, SNCBs, NGOs.....
- 3. Acknowledgment that there does not have to be a trade-off between socio-economic benefit and environmental recovery
- 4. We need to base our decision on robust evidence and data
- 5. Act now or it will cost us all more to fix them in the future
- 6. Prioritisation will be needed and is needed <u>now</u>
- 7. Decision makers must be forward looking in the transition strategy

Our vision Let's create a world that runs entirely on green energy









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Session Three

Delivering a Sustainable Blue Economy

Geraint Evans, Chief Executive, UK Major Ports Groups

Coastal Communities and Major

Ports

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The United Kingdom Major Ports Group



What approaches to decision-making are needed to balance the need for social and economic benefit alongside environmental recovery?

Geraint Evans, Chief Executive United Kingdom Major Ports Group



Growth is key to sustainability

- Responsible growth and investment is compatible with protecting and enhancing our coastal communities
- Protection and enhancement for local areas and communities is only unlocked through joint public and private effort
- No action or self-imposed limits / timing out is an action itself
- The greatest challenge and least sustainable outcome is if we don't secure opportunities that present themselves.



The United Kingdom Major Ports Group

Trust embedded in communities

- Critical that communities can see and touch the social, environmental and economic benefits of projects
- Undeveloped and neglected sites do not maximise sustainability and environmental benefits
- Coastal communities need to be brought along on the journey local buy-in through long term commitments
- Delivery of a sustainable economy, with all of the associated dividends, relies on timely, deliverable projects
- Sustainable development, we can improve and enhance the environment alongside critical economic growth.



UKMPG

The United Kingdom Major Ports Group

Plans don't deliver environmental benefit

• Capture technological and industrial change with both hands to shape, major ports can support numerous demands on our coastline – as responsible custodians around our coastline

- Major ports are committed to responsible development and playing a central role in the energy transition.
- True sustainable development can deliver for both the environment as well as bringing social and economic benefits to our coastal communities.


UKMPG

PEELPORTS

GROUP

The United Kingdom **Major Ports Group**

London Gateway – significant gain

Major brownfield site redevelopment

ASSOCIATED

📕 Harbour

BRISTOL PORT COMPAN'

- Largest migration of animals in Europe with 320,000 animals relocated to a new nature reserve nearby.
- Saving 65m HGV miles and take 2,000 trucks off the road per day, all unlocked by responsible development
- Practical example of major ports supporting **both** economic and environmental benefit.

DP WORLD



FORTH POP

UKMPG

The United Kingdom Major Ports Group

Offshore wind potential, Celtic Sea



Potential for major ports to deliver wider transformational economic and environmental benefit



Summary

- Growth is key to sustainability
- Trust embedded in local and wider communities
- Plans alone don't deliver shared objectives
- Major ports, as custodians, provide best practice for nascent sectors

Geraint.Evans@ukmajorports.org.uk







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Delivering a Sustainable Blue Economy

Alyx Elliot, Oceana UK

<u>Fish not fossils – Introducing the</u> <u>Ocean Alliance Against Offshore</u> <u>Drilling</u>

in Ocean & Coastal Futures





OCEANA

Fish not fossils: Introducing the Ocean Alliance Against Offshore Drilling.

Alyx Elliott - Campaigns Director, Oceana UK























OCEAN ALLIANCE AGAINST OFFSHORE DRILLING

WHO WE ARE AND WHAT WE STAND FOR

Drilling is killing marine life, habitats and our chances of a sustainable future. We are united against this needless death and destruction. We're calling for an immediate ban on all new oil and gas developments in UK seas.





OCEANA Protecting the World's Oceans

Alyx Elliott aelliott@oceana.org





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Session Three

Delivering a Sustainable Blue Economy

Annabel Stockwin, Defra

Fisheries Management Plans

Coastal Futures Conference 2024

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Fisheries Management Plans update

Coastal Futures Conference 24 January 2024

Annabel Stockwin, Non-Quota Species Team Policy Lead, Defra







Natural Capital Approach



What do FMPs do?

- Defines the fishery and its geographic scope.
- Makes an assessment of MSY or equivalent measure.
- If this is not possible, sets out evidence gaps and how they might be addressed.
- Specifies policies/measures to restore or maintain at sustainable levels (mindful of the precautionary approach to fisheries management).
- Sets out indicators to monitor the effectiveness of the plan.

FMP Recap part 1

- The Fisheries Act 2020 sets out objectives to achieve our ambition for sustainable stocks, a thriving fishing industry, and a healthy marine environment.
- The Joint Fisheries Statement published in 2022 set out our commitment to deliver 43 Fisheries Management Plans (FMPs) for key UK stocks to deliver these objectives.
- Powerful new policy tool to enable a shift to a world leading plan led approach to fisheries management.
- Transparent and collaborative Government and regulators, fishing interests and wider stakeholders working together to develop evidence-based plans.
- Once an FMP is published by SoS and/or the Devolved Administrations, FMPs place a duty on the relevant national fisheries authorities to exercise their functions in accordance with the policies set out in FMPs.
- The measures set out in the FMPs will take time to develop Each FMP will be reviewed at least every six years.





- Consulted on 6 FMPs over the summer. Consultation closed 1 October.
- Received over 500 responses across the FMPs.
- Ran a series of online and in person engagement events
- Reviewed responses and amended the draft FMPs
- The first 5 FMPs were published Thursday 14 December 2023
- Now in 2024 we are developing an implementation programme, including establishing what regulatory changes will be required and how to manage evidence gaps

The first six 'Frontrunner' FMPs



Implementation & Future Work

- The new measures now need to be implemented over the next 6 years process now started
- A range of mechanisms will be used such as voluntary measures, statutory instruments, licensing conditions or byelaws
- 160+ evidence gaps identified streamlined version
- Evidence Workshop shortly to talk through
- We will continue to work collaboratively with stakeholders during the implementation phase of the FMPs
- Assessing effectiveness of the FMPs

Timeline for development of FMPs

Joint Fisheries Statement sets out the timetable for 43 FMPs

Defra are the coordinating authority for 15 FMPs

2024	2025
Cockles	Celtic Seas demersal*
North Sea & Channel sprat#	Celtic Seas pelagic*
Southern North Sea and Channel Skates and rays	Black Sea Bream
Southern North Sea demersal NQS	Wrasses complex
Queen scallop	
Southern North Sea flatfish (2024)	

* Joint with Welsh Government; # Joint with Scottish Government

FMP delivery priorities for 2024

- Banning landings of soft-shelled crab for bait
- Pilot schemes for crab and lobster effort management
- Harmonisation of scallop management across administrative boundaries
- Developing a permit or entitlement scheme for whelk
- Using a new management group to collaboratively review the bass authorisation process and netting provisions
- Developing an action plan for cuttlefish, introducing measures to manage flyseigning effort and MCRS for three flatfish species, in the Channel.
- Not forgetting...tranche 3 and 4 FMPS

FMPs and wider marine use

- There is increasing spatial pressures on fisheries through changes in other marine activities and uses including MPAs. Climate change also a growing factor.
- The FMPs allow for adaptive management and so can take changes to spatial use into account.
- The UK Government has established a Marine Spatial Prioritisation (MSPri) programme to help support a more strategic approach to managing future pressures in English waters.
- The programme will evaluate existing and emerging evidence to understand future demands and help determine the best way of managing them to secure jobs and support communities that are underpinned by a healthy resilient marine environment.
- Outputs from the programme will inform the implementation and subsequent reviews of the FMP, as well as Defra's approach to marine planning active area of policy development.

Key contacts

FMP Homepage

https://www.gov.uk/government/collections/fisheries-management-plans Contact details for each FMP can be found through this page & go to policy page/s

Tranche 1 and 2 FMPs:

• FMPs@defra.gov.uk

Tranche 3 FMPs:

- Cockles FMP <u>cocklefmp@association-ifca.org.uk</u>
- North Sea and Channel Sprat FMP FMP@cefas.gov.uk
- Southern North Sea Skates and Rays FMP fmp@marinemanagement.org.uk
- Southern North Sea Demersal NQS FMP <u>fmp@marinemanagement.org.uk</u>
- Queen Scallop FMP <u>shellfish@defra.gov.uk</u>



More information:

Fisheries Management Plans Collection page on gov.uk





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Delivering a Sustainable Blue Economy

Louise O'Hara Murray, Marine Planning Manager, Scottish Government

Developing a new national marine plan

for Scotland

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httional Marine Plan 2



Developing a New National Marine Plan for Scotland

Louise O'Hara Murray

marinescotland

Blue Economy Vision & Outcomes

By 2045 Scotland's shared stewardship of our marine environment supports ecosystem health, improved livelihoods, economic prosperity, social inclusion & wellbeing Scotland's marine ecosystems are healthy and functioning, with nature protected and activities managed using an ecosystem-based approach to ensure negative impacts on marine ecosystems are minimised and, where possible, reversed.



Scotland's blue economy is resilient to climate change, contributing to climate change mitigation and adaptation, with marine sectors decarbonised, resource efficient and supporting Scotland's Net Zero and Nature Positive commitments



Established and emerging marine sectors are innovative, entrepreneurial, productive and internationally competitive



Scotland is a global leader in healthy, quality, sustainably harvested and farmed Blue Foods, for our own population and beyond





Kotta Boya Scotland's Blue Economy: Review of Current Status

> Scottish Government Regulatos no h-Altro

Thriving, resilient, regenerated, healthy communities have more equal access to the benefits ocean resources provide



Scotland is an ocean literate and aware nation





Marine Planning in Scotland




Mainstreaming the Blue Economy Approach







The National Marine Plan 2 will

- Further the achievement of Sustainable Development
 - > Help tackle twin crisis of biodiversity loss and global climate emergency
 - Support transition to net zero
 - Adopt blue economy approach and support delivery of blue economy outcomes
 - Reduce likelihood for conflict for marine space
 - Safeguard sustainable marine sectors
- Develop planning policy
- Support Licensing and Consenting
- Consider implementation of the plan
- Deliver Statutory Assessments
- Design Monitoring and Evaluation Framework
- Composite plan 0-200 nm





Assessment of the Plan



High-level Objectives	
Climate mitigation and adaptation	Respond to the Global Climate Emergency, achieving net zero by 2045 and realising adaptation opportunities
Respond to the Global Biodiversity Crisis, protecting Scotland's marine and	
Ecosystem health, protection and restoration	coastal biodiversity.
	Restore and enhance Scotland's marine and coastal ecosystem services in line with Scotland's Biodiversity Strategy
Sustainable marine economy	Enable multi-use of Scotland's seas to reduce conflict for marine space.
	Safeguard opportunities for marine economic sectors to operate, based on available evidence and in line with Scotland's ambitions.
	Enable use of Scotland's seas to support the development of Net Zero sectors in line with Scotland's ambitions



High-level Objectives



Enhance and safeguard opportunities for sustainable, resilient and diverse marine economies within Scotland's island and coastal communities
Protect, and where appropriate, enhance access to- and appreciation of-
Scotland's marine and coastal cultural heritage.
Facilitate equitable access to Scotland's seas and shared stewardship to benefit wellbeing and to support thriving communities.
Use evidence-based decision making to manage marine space in line with Scotland's wider ambitions
Contribute to monitoring and evaluation of NMP2 implementation





Stakeholder Engagement

Statement of Public Participation

Vision: "Everyone who uses, relies on or has an interest in Scotland's seas has the opportunity to inform decision-making in the marine space, and they embrace the National Marine Plan as a key resource to guide decision-making"

Building partnerships

- Policy Network Group (internal)
- NMP2 Steering Group (key stakeholders)
- National Planning Forum (public)
- Targeted events
- Utilisation of existing fora
- Strategic Partnerships and engaging with underrepresented groups

Staged Approach:

- Sharing outputs as they become available
- Focusing on co-development
- Building capacity
- Iterative development
- Exploring impacts and mitigations





What have we done so far and What's next?

- ✓ Publish Statement of Public Participation
- Appraisal of existing plan and Scottish and UK Government commitments
- ✓ Drafting of high-level objectives

- Strategic Environmental Assessment Scoping and Public Consultation
- ✓ Initiate the Sustainability Appraisal
- Build partnerships and delivery of key stakeholder events e.g. National Planning Forum







Thank you

NationalMarinePlanning@gov.scot





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Session Three Panel Debate

Delivering a Sustainable Blue Economy

What approaches to decision-making are needed to balance the need for social and economic benefit alongside environmental recovery?

Chair: Dickon Howell, Howell Marine Consulting & OCF Director

Michelle Moore, The Crown Estate Benj Sykes, Chair, Offshore Wind Energy Council Geraint Evans, Chief Executive, UK Major Ports Group Alyx Elliott, Oceana Annabel Stockwin, Defra Louise O'Hara Murray, Marine Planning Manager, Scottish Government









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Srabani Sen OBE, CEO & Founder, Full Colour

The three C's of equity, diversity and inclusion

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Srabani.sen@fullclr.com







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Guest speaker

Monty Halls Generation Sea Change

GENERATION SEA

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GENERATION SEA CHANGE CREATING A CONSERVATION LEGACY

















"WE ARE THE MOST FORTUNATE GENERATION THAT HAS EVER LIVED.

OR EVER WILL LIVE."

J.Veron – A REEF IN TIME















'I asked the mahout how such a huge elephant could be held by such a small stake. He replied "When the elephants are small, they try to pull out the stake, and cannot. And so when they grow large, they never try again."

Paul Vívek

















AN ECOSYSTEM UNDER SEIGE AN INDUSTRY ON THE EDGE





















Reception, sponsored by ARC Marine

18:00 - 19:30

24th & 25th January, 2024 London & online









BIODIVERSITY NET GAIN (BNG) BINGO

- Join us it's free for everyone!
- Taking place at 6:30pm in the Conversation Room
- Learn about key BNG policy terms for Coastal Defence
- Win a kayak made from recycled marine plastics





ACCELERATING REEF CREATION



Reception, sponsored by ARC Marine

18:00 - 19:30

24th & 25th January, 2024 London & online







