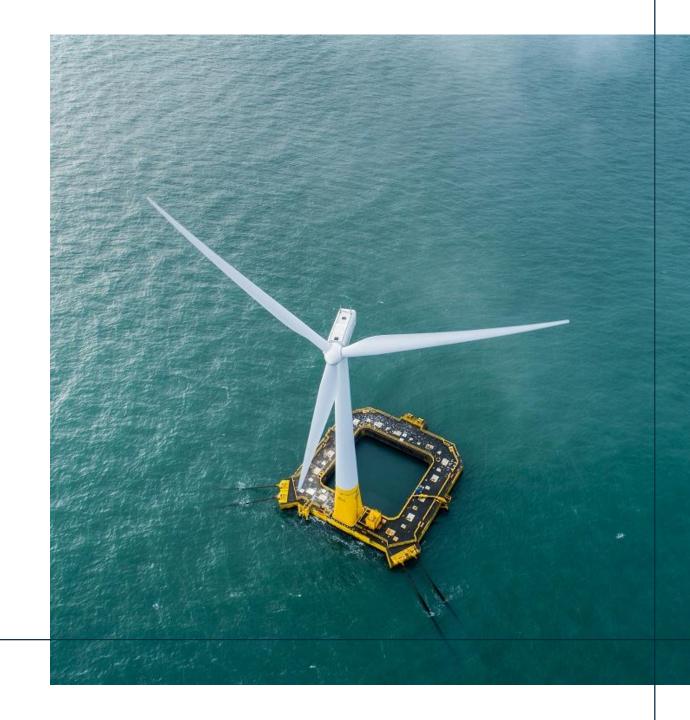


Welcome

The purpose of today's webinar is to:

- Provide information on our engagement to date
- Update on our approach and progress on the spatial design of Floating Wind in the Celtic Sea
- Share with you the initial Areas of Search and outline how we will be taking these forward and further refining these areas
- Provide further information on the forward timeline
- Opportunity for Q&A and feedback



Floating offshore wind and our engagement with you so far



Tim Stiven

Senior Development Manager, Marine

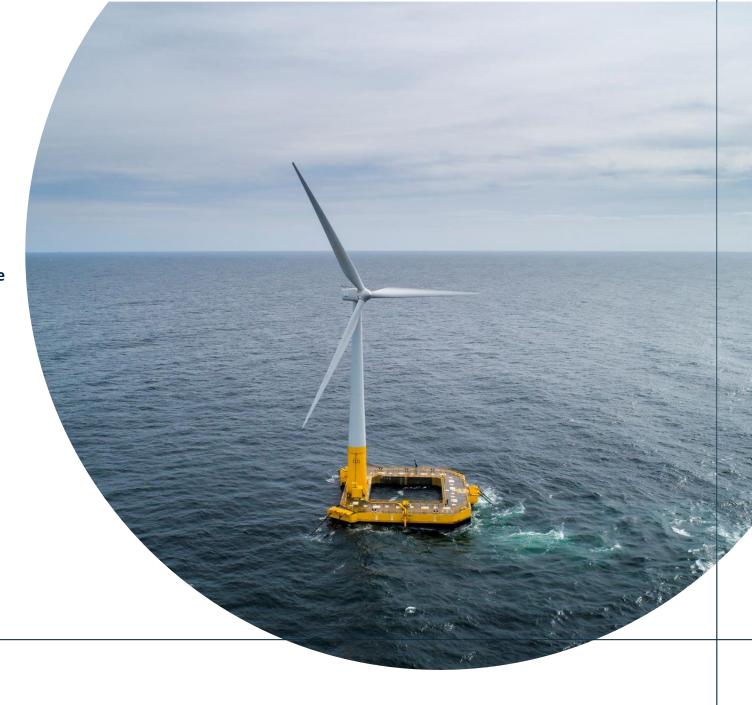




Our aims

Our aims for this floating wind leasing opportunity in the Celtic Sea are:

- Unlock clean energy in new areas, in support of net zero
- Support the development of floating wind in the UK, including the cost-reduction of the technology
- Incentivise investment in critical enabling infrastructure
- Help create economic and social value, through new skills and regional jobs
- Balance the needs of the environment, other sea users, and communities onshore





INITIAL INVITATION FOR VIEWS

Invitation to market for views on how best to accelerate the development of floating wind in the UK

Input from over 30 interested market participants across industry

Responses received confirmed strong capability and appetitive for floating wind, and helped refine our proposition from 1GW to 4GW





MARINE STAKEHOLDER WORKSHOP

Online workshop to explain how spatial design approach responded to stakeholder feedback

The workshop was attended by over 70 individuals from c.30 organisations

Explored data weightings which directly informed the way we have used data in our spatial modelling, which resulted in the Areas of Search



FEB-JUNE 2022





Informal engagement to refine spatial modelling work and identify other significant factors, including the environment, navigation, fisheries, aviation, and defence



JULY 2022 - AUTUMN 2022







Targeted engagement undertaken to further understand project risks, refine Areas of Search and inform the definition of Project Development Areas



DEC 2020 - NOV 2021



ONGOING INFORMAL ENGAGEMENT

Bilateral engagement with market and other marine stakeholders to shape plans and thinking



NOV - DEC 2021



SPATIAL DESIGN AND DATA QUESTIONNAIRES

Questionnaires issued to over 150 stakeholders requesting: Input on spatial design from marine and market stakeholders

Datasets to support spatial modelling and flag any risks to existing seabed users and interests





PRE-CONSENT SURVEYS ENGAGEMENT

Over 50 developers invited to share their views on datasets, methods, standards, and areas of focus that will accelerate delivery as much as possible







Establishes areas of seabed that will be taken forward into plan-level Habitats Regulations Assessment (HRA) and grid infrastructure













Our approach to spatial design – a recap

Spatial modelling

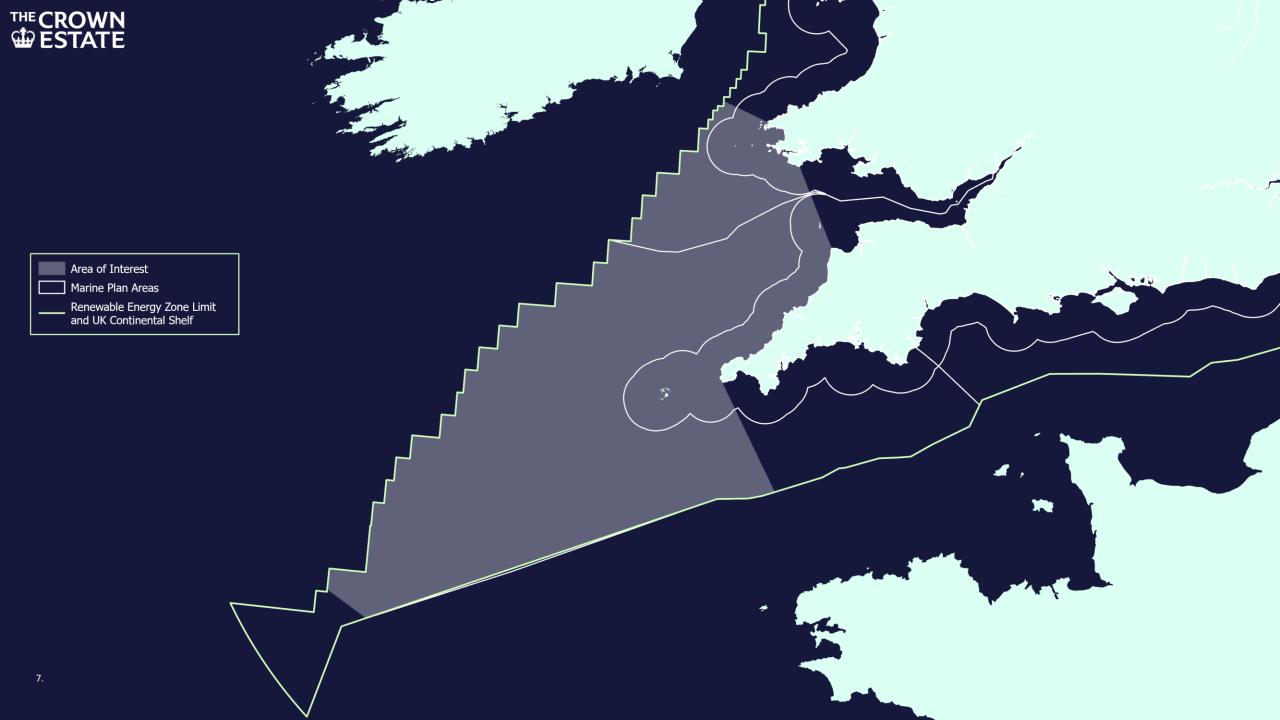




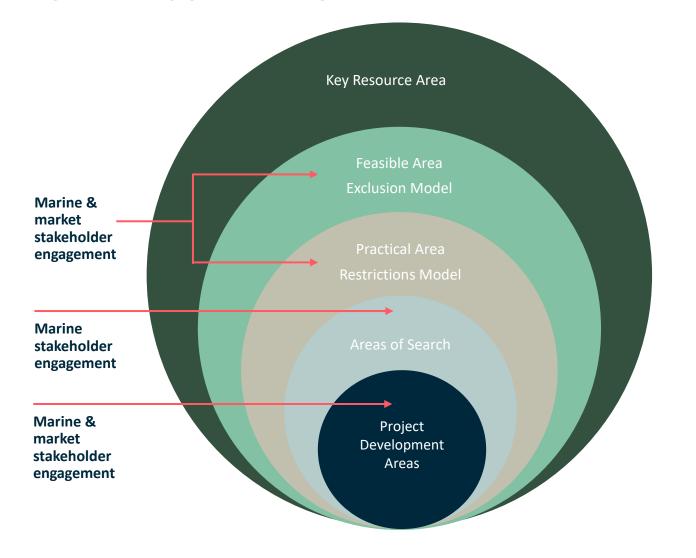
Michelle Moore

Senior Spatial Marine Planning Manager





Spatial opportunity



Consideration of the quality of resource and other cost drivers

Removal of hard constraints (e.g. existing infrastructure, IMO shipping routes)

Weighted analysis of soft constraints (e.g. other marine users, interests and environmental sensitivities)

Bilateral engagement (e.g. grid and defence)

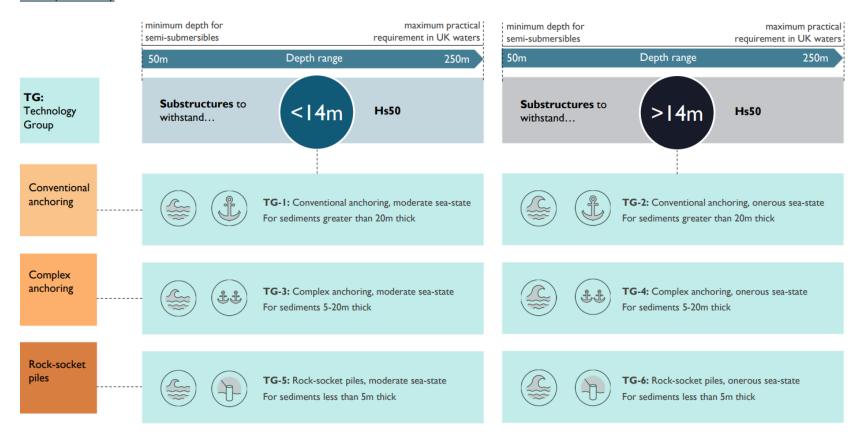
Refinement of spatial modelling through stakeholder engagement to take Areas of Search to Project Development Areas (e.g. additional technical and environmental considerations)

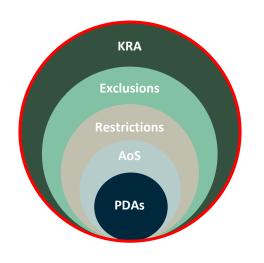


Key Resource Area

Broad Horizons Report:

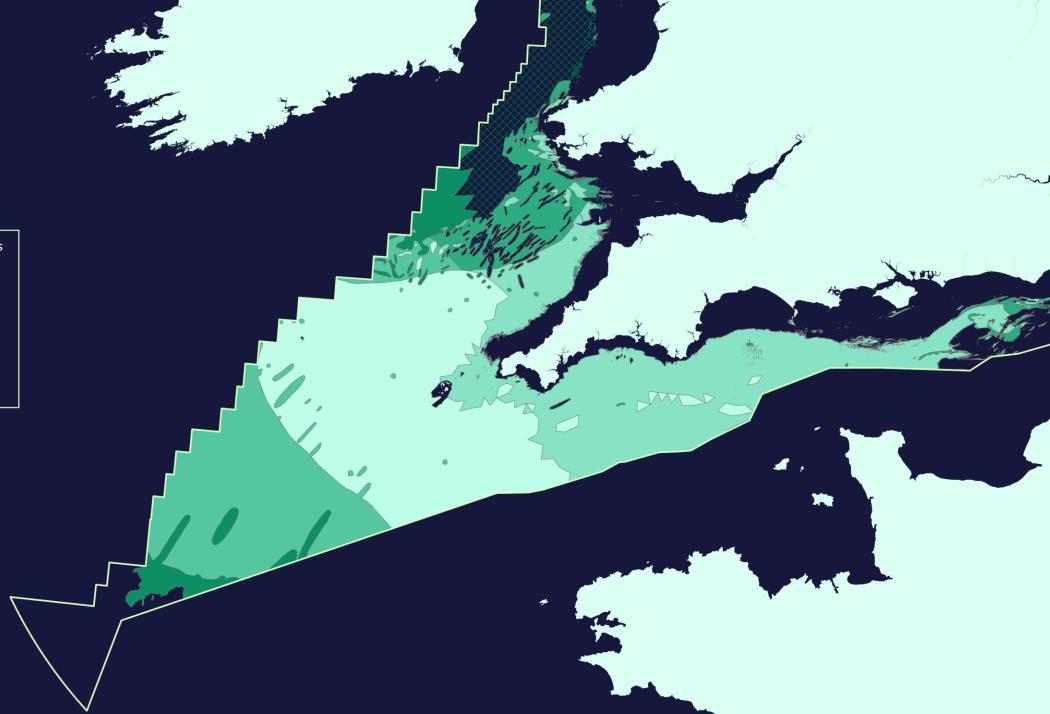
https://www.marinedataexchange.co.uk/details/2117/2020-everoze-characterisation-of-key-resource-areas-for-offshore-wind-a-report-for-the-crown-estate/summary





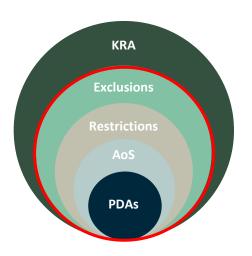






Exclusion Model

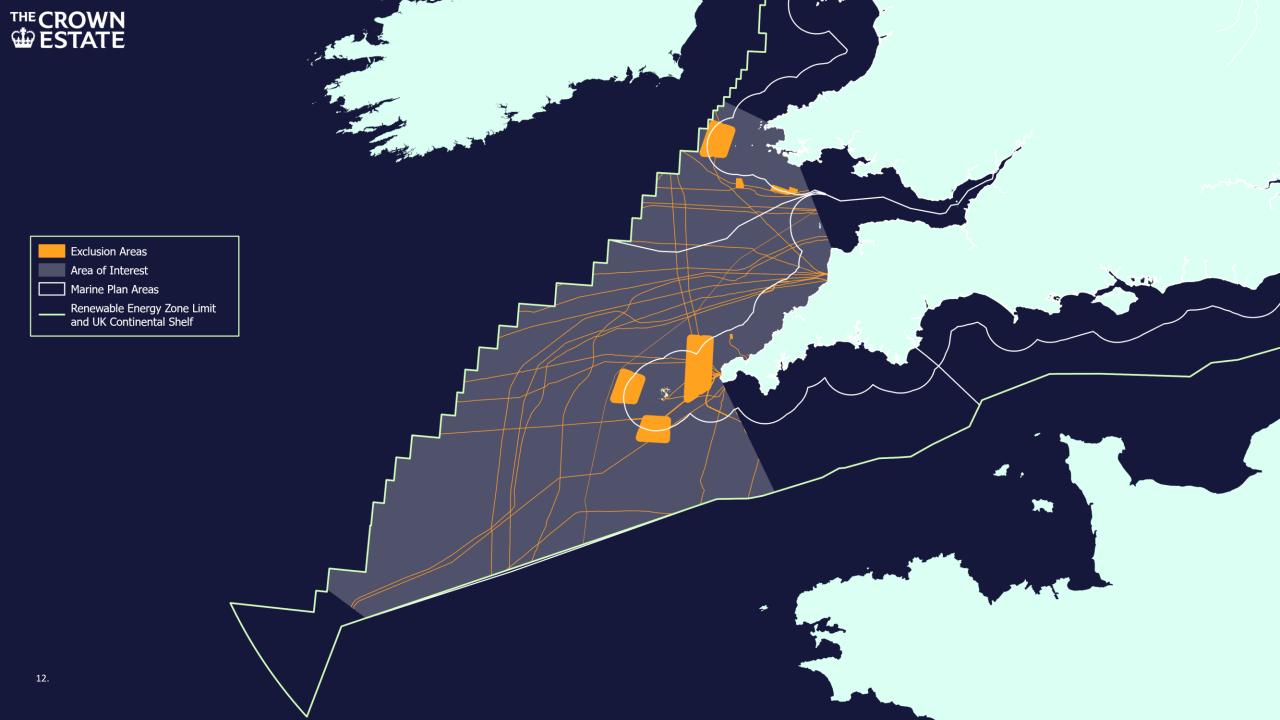
Hard constraint: Data inputs relating to activities and receptors that currently preclude floating offshore wind development



Reasons for exclusion:

- 1. Existing infrastructure in place that would preclude development
- 2. Safety reasons would inhibit development
- 3. Existing rights have been granted over the seabed which preclude development





Restriction Model

Soft constraint: Data on activities and sensitivities that may provide varying levels of constraint on the development of floating offshore wind, but not necessarily preclude development

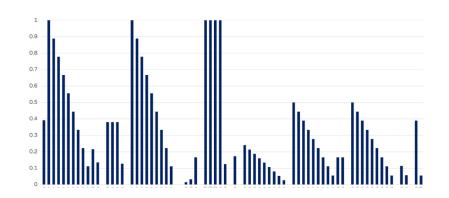
Exclusions

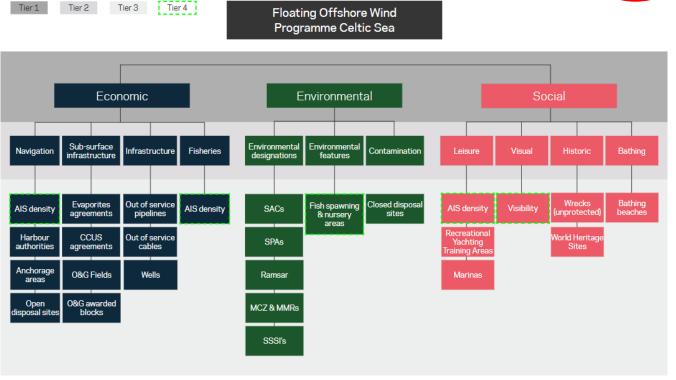
Restrictions

AoS

PDAs

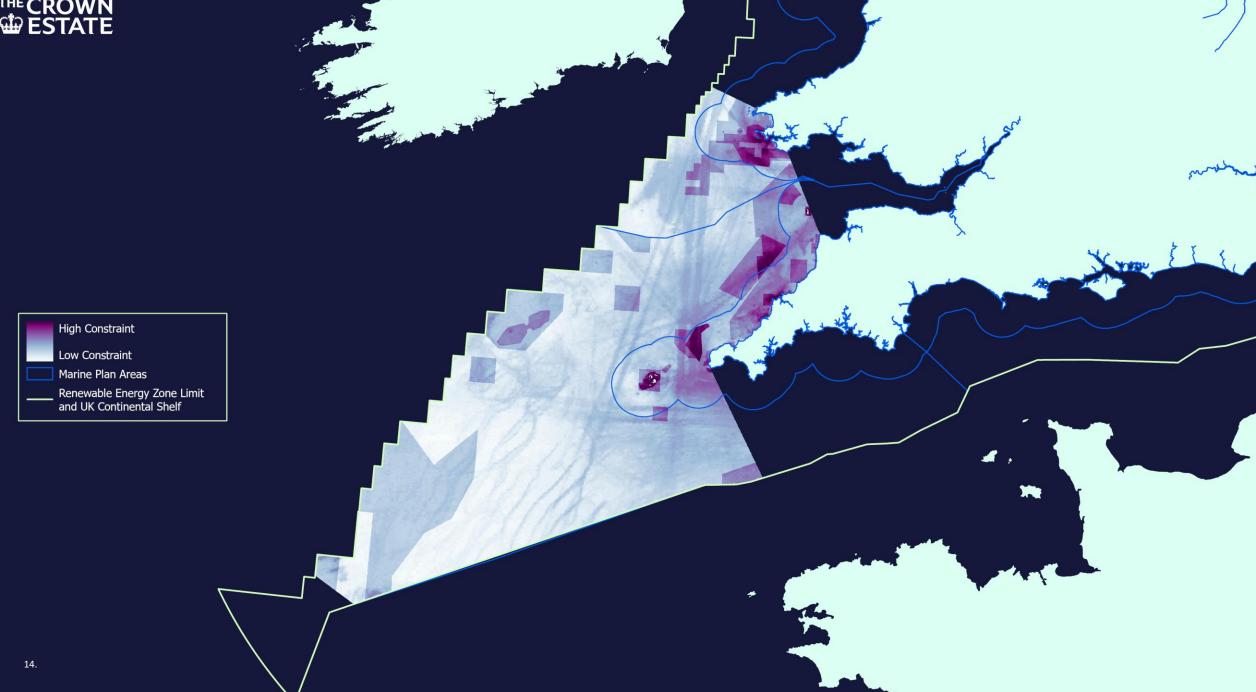
- Marine Resource System (MaRS) tool
- Analytical Hierarchy Process (AHP)
- Pairwise comparisons process ran in the February workshop





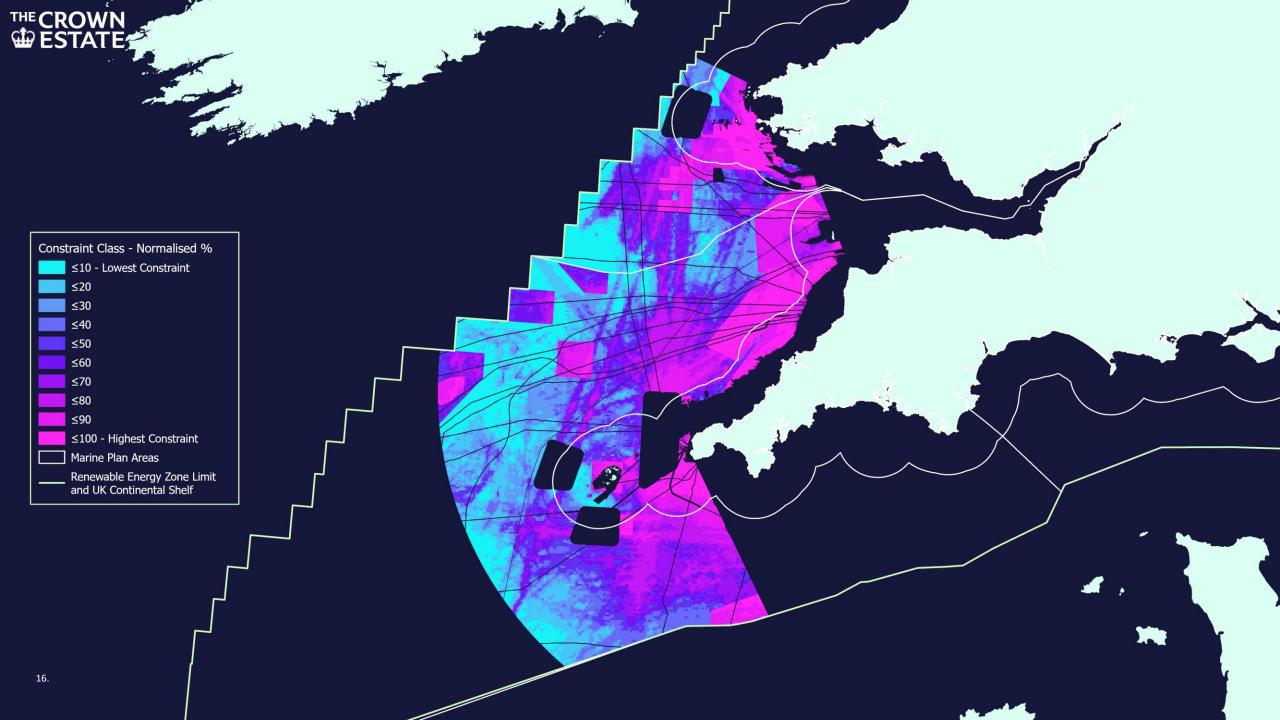


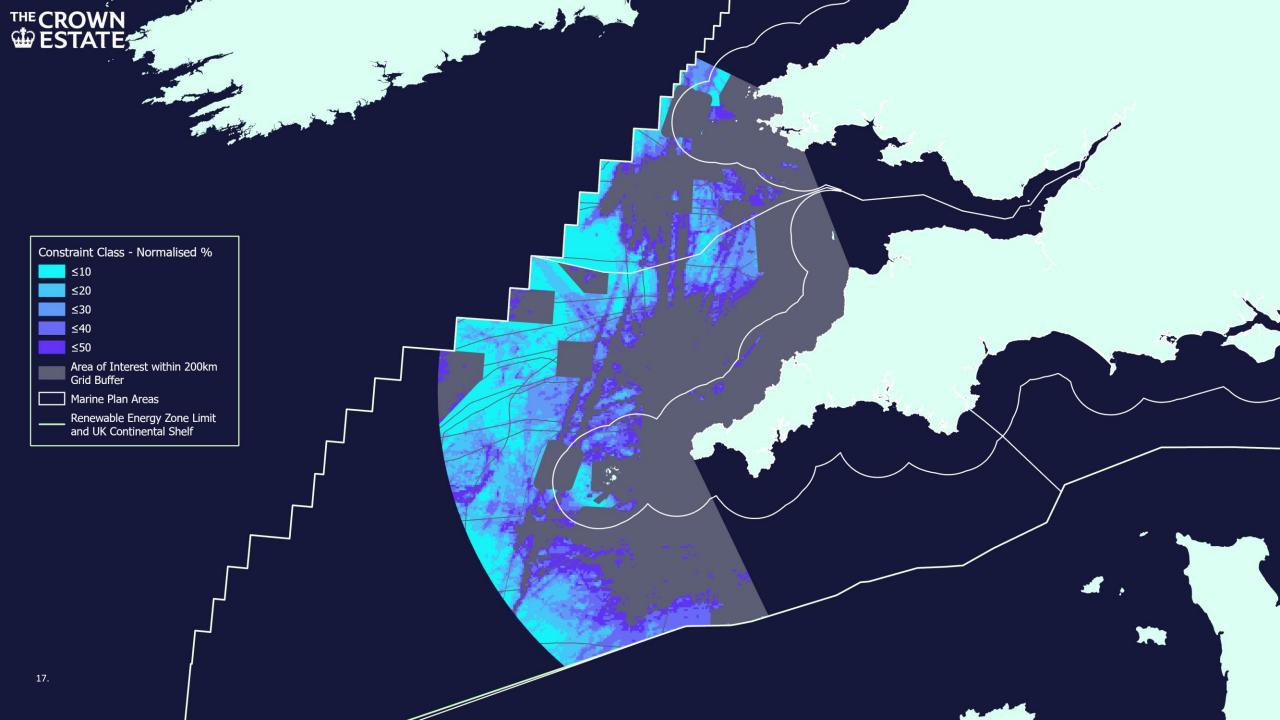












Areas of Search



Joe Smithyman

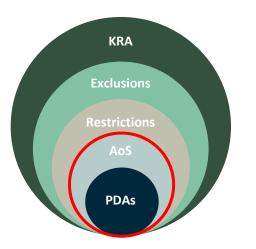
Marine Resources Manager





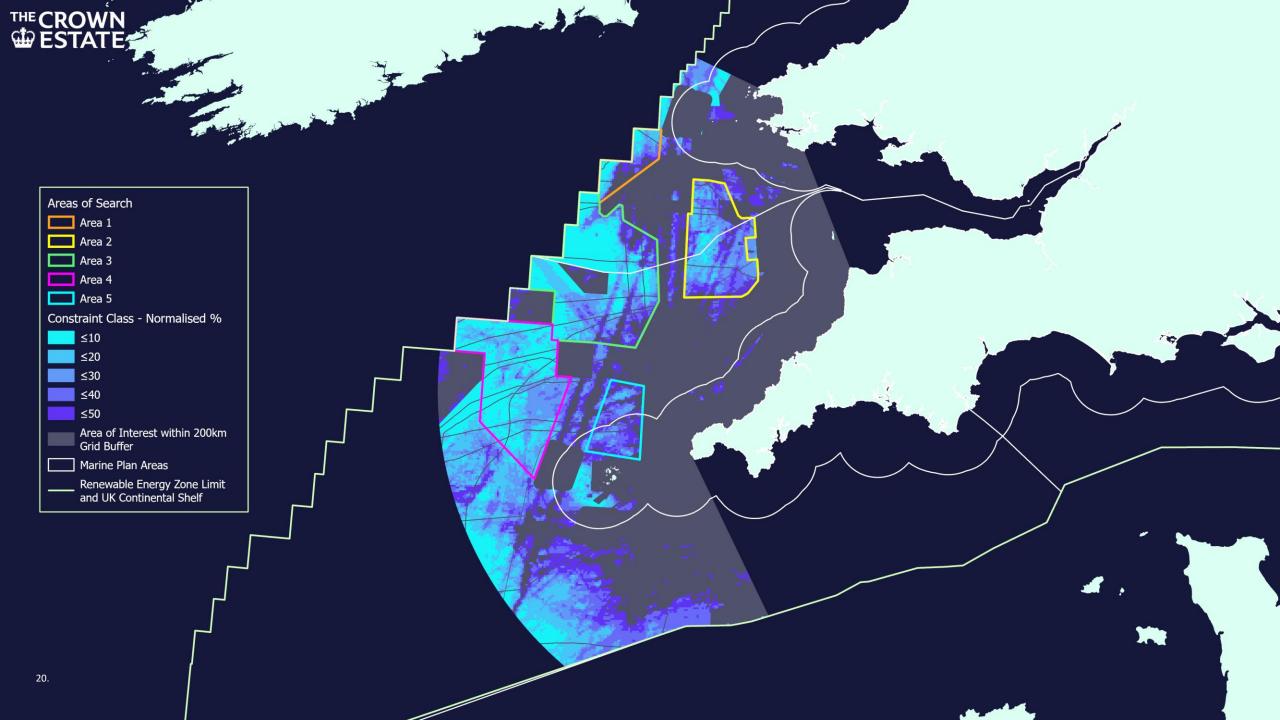
Areas of Search Identification

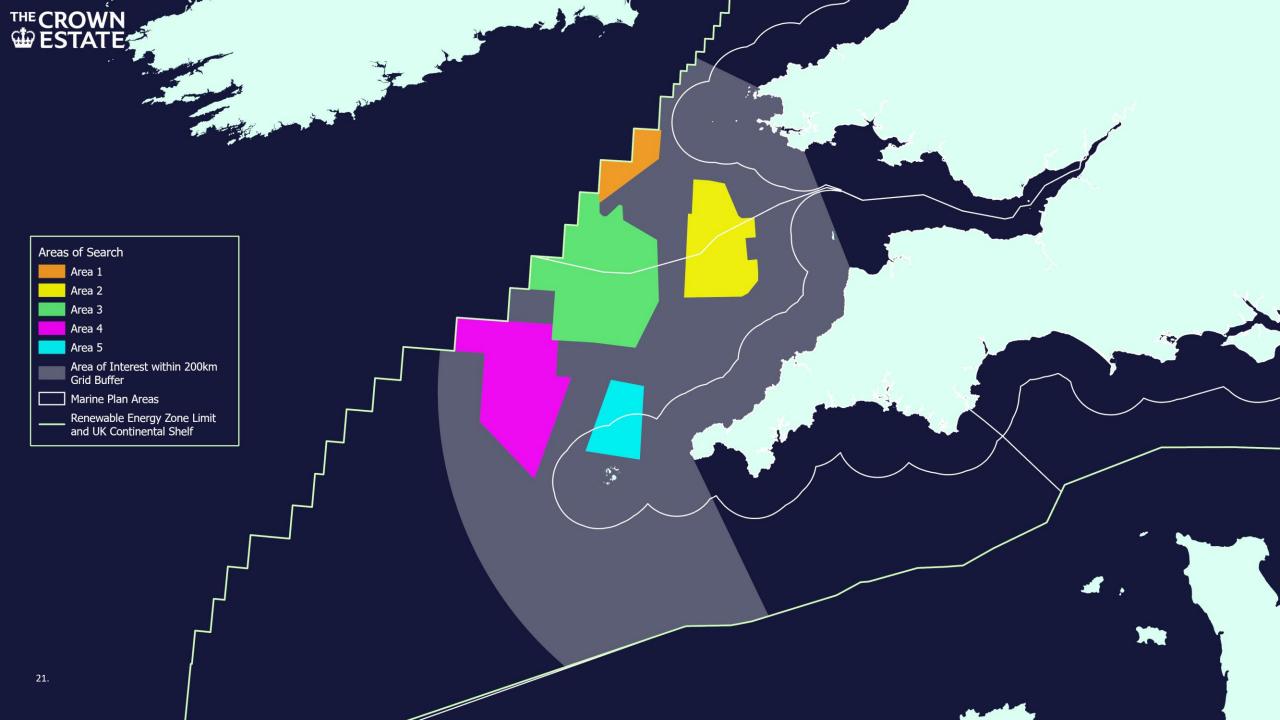
Using spatial outputs to drive bilateral engagement on Areas of Search with a wide range of stakeholders across a range of industries, user groups and activities

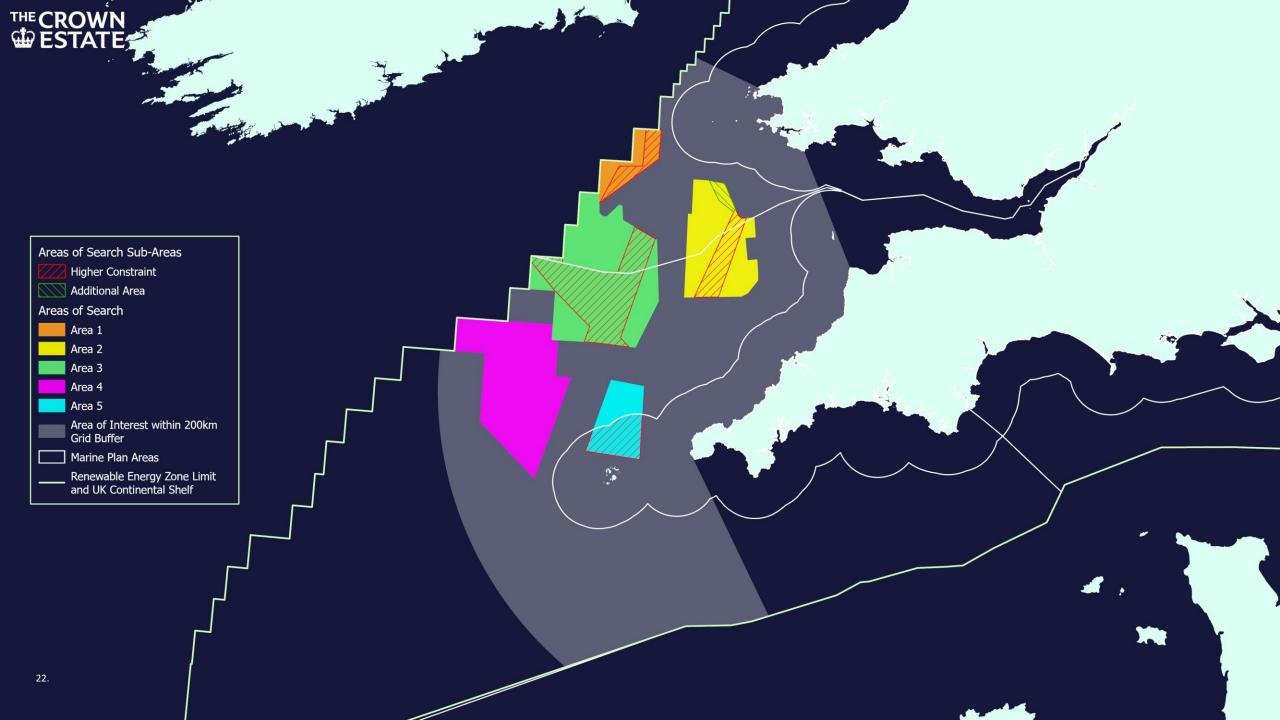




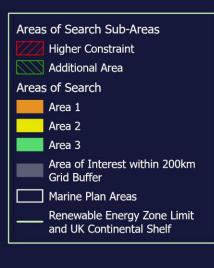




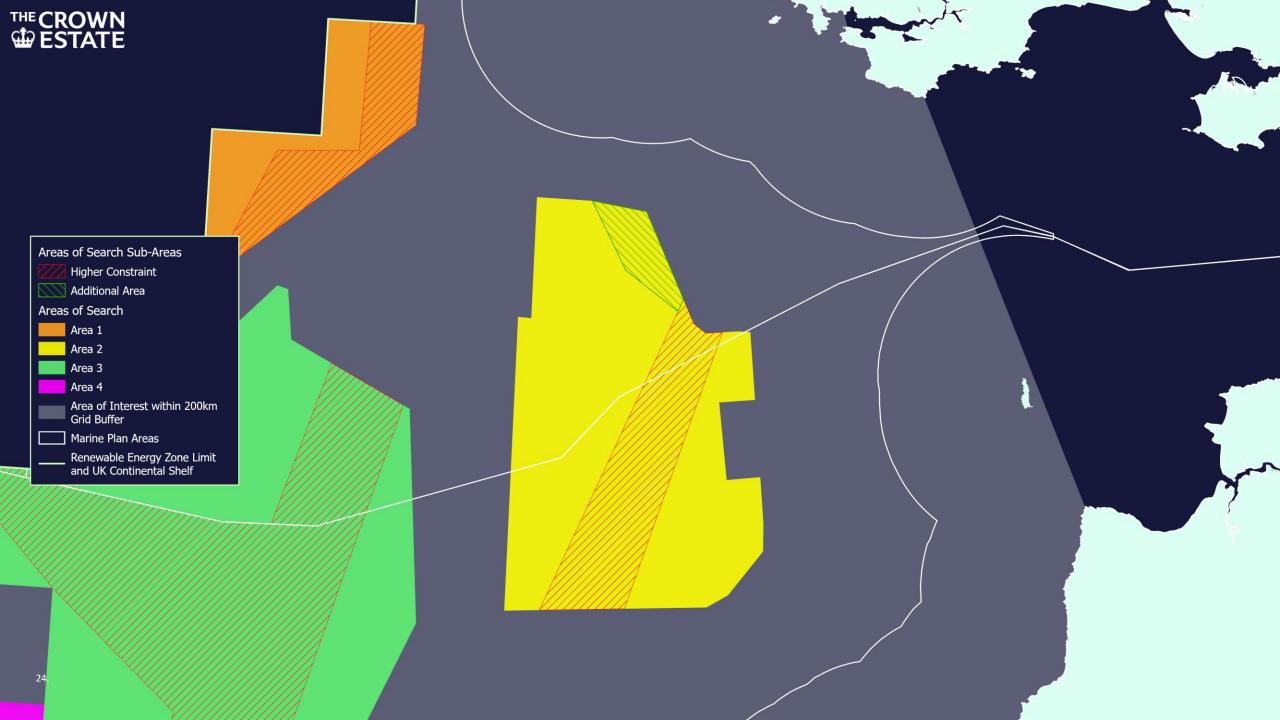


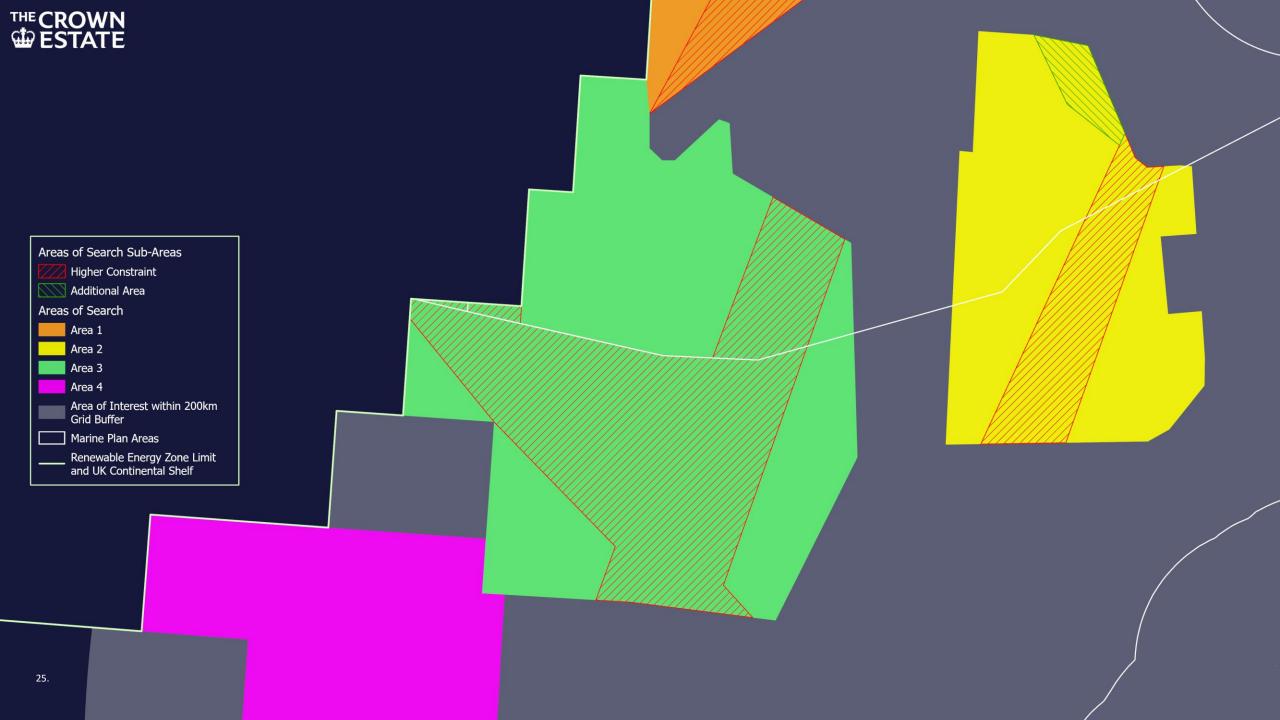


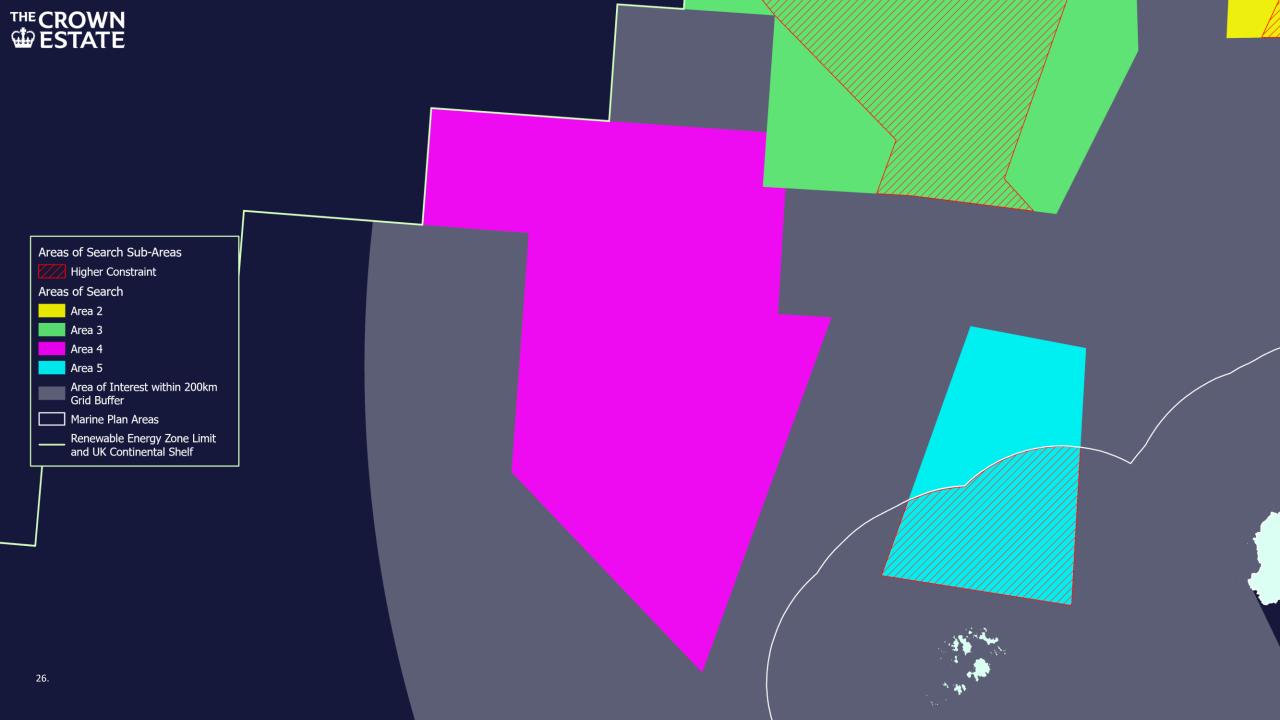




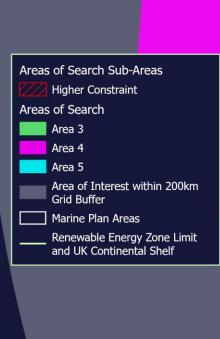














Habitats Regulations Assessment





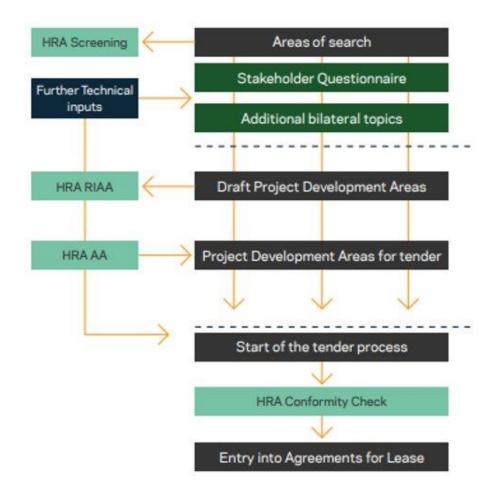
Marine Consents Manager





Spatial Design and HRA Approach

- The Crown Estate is a Competent Authority under the Habitats Regulations*
- We therefore conduct a plan-level Habitats Regulations Assessment (HRA) for any leasing/licensing activity that constitutes a 'plan'
- This will assess the plan's impact on protected sites before seabed rights can be awarded
- HRA will take place before tender commences
- A conformity assessment will be required after the conclusion of the tender to ensure the conclusions of HRA remain valid when Agreements for Lease are entered into
- We will also undertake a Marine Conservation Zones (MCZ) assessment in line with our obligations under the Marine and Coastal Access Act 2009 to consider the potential impact of our leasing plans on MCZs



^{*}Habitats Regulations:- The Conservation of Habitats and Species Regulations 2017 (as amended), The Conservation of Offshore Marine Habitats and Species Regulations 2017 (as amended)

Next steps



Tim Stiven

Senior Development Manager, Marine





Next steps: we want to hear from you

Any information on further risks that we should consider

Any additional data or evidence to support further refinement

Continuing targeted bilateral engagement



Next steps: Engaging, identifying areas for development, and tendering

• Engagement to refine Areas of Search
• Commencement of plan–level HRA
• Peer-review of spatial design approach

• Late 2022

• Update on tender principles

• Tender launch



Further information

We know that sharing information with one another, providing regular updates and publishing key reports is what will help us achieve our collective ambitions for this region.

The Crown Estate's website has a wealth of resources and information available:

- February 2022 workshop outputs
- Offshore Wind Environment Change Programme
- <u>Latest press releases</u>
- Draft site selection methodology
- Areas of Search story map
- Areas of Search data viewer
- Open data portal

The presentations from today's webinar will also be made available on The Crown Estate's dedicated floating offshore wind page: thecrownestate.co.uk/floatingwind



Close

Thank you for your participation.

If you have any questions, please contact us at: offshorestakeholder@thecrownestate.co.uk

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