Cumulative Effects – the impossible question...

Ian Reach Principal Marine Ecologist



...RIDDLES IN THE DARK

PERSPECTIVE OF AN EX-STATUTORY ADVISOR AND AN EIA PRACTITIONER

Cumulative Impact Assessment (CIA) – Context

- Poor cousin to EIA
 - Yet CIA possibly more important to get right
- Frustration
 - Not being done optimally
 - Significant hurdle
- Despite legal requirements for CIA >20 years, still a
 - Lack of clarity over the cumulative impacts that need to be considered by developers and their consultants
 - Lack of strategic guidance on the appropriate scope, scale, and methodologies for such assessments



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Making Sense of the Marine Environment "

CIA – Stumbling Blocks

- Disparate guidance and inconsistent processes
 - Ad hoc
 - No focus on cross-sectoral approach
 - Multiple sectors, multiple pressures
 - Few cross-disciplinary linkages
 - Multiple receptors, multiple scales
 - No central agency
 - Multiple Regulators, multiple remits, multiple approaches
 - Industry sector-led development of processes
 - Marine Aggregate Regional Environmental Assessments (MAREAs)
 - Round 3 Zone Appraisal and Planning (ZAP)
 - Renewable UK's CIA guidelines





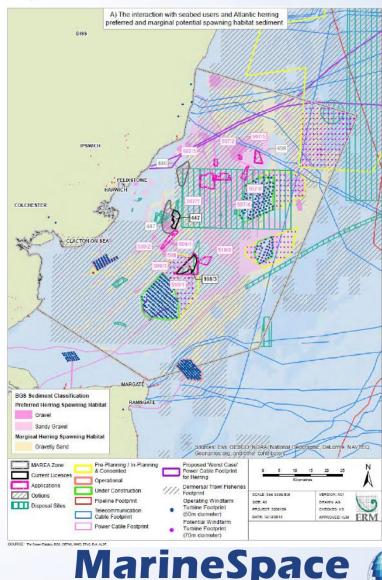


Cumulative Impact Assessment Guidelines Guiding Principles For Cumulative Impacts Assessment In Offshore Wind Farms



CIA – Stumbling Blocks

- Shifting and variable scope and scale
 - Perception of *'re-inventing the wheel'*
 - Sector-specific regional assessments
 - Receptors extend outside
 these areas
 - *Silent/invisible* sectors Outside the EIA/Habs Dir legislation
 - Generally large-scale
 footprints
 - Requirement to take into account – how?



Making Sense of the Marine Environment

CIA – Stumbling Blocks

- Accessing/maintenance of appropriate data
 - Other foreseeable plans and projects
 - Mapping of sensitive environmental receptors
 - Footprints in areas subject to multiple developments
- Access to project-specific information across multiple projects
 - Advisors/Regulators party to data that other practitioners unable to access
 - Frustration for all
 - Tendency to not 'sign off' CIA



Thoughts – A Way Forward

- Reduce the high level of subjectivity
- Adopt an incremental approach
 - Evaluate and build on existing CIAs

e.g. Marine Aggregate Coastal Impact Studies

- Advisors/Regulators to validate
- Across all sectors
- Clarity of 'assessment envelopes' at scoping phase



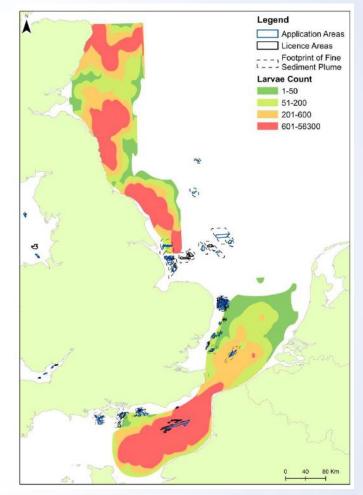


Making Sense of the Marine Environment

Thoughts – A Way Forward

Centralise and standardise data – consistent variables

- Extent of Receptors
 - Mobile species
 - Ranges
 - Habitat space
- Sensitivity thresholds
- Repository of extant and foreseeable projects
 - Related to suitable 'high pressure' areas/regions
- Compendium of possible synergistic effects
 - Cross-sectoral pressure sources/pathways



MarineSpace Ltd, ABPmer Ltd, ERM Ltd, Fugro EMU Ltd and Marine Ecological Surveys Ltd, 2013. Environmental Effect Pathways between Marine Aggregate Application Areas and Atlantic Herring Potential Spawning Habitat: Regional Cumulative Impact Assessments. Version 1.0. A report for the British Marine Aggregates Producers Association.

MarineSpace

Thoughts – A Way Forward

"WHAT HAS IT GOT IN ITS POCKETSES?"

- This should no longer be "too difficult to do"
 - Leadership from Regulators and Advisors required at regional sea scale
 - Build upon considerable expertise
 - Consideration of uncertainty managing risk; links to
 - Strategic mitigation
 - Across projects/activities potentially resulting in significant cumulative effects
- Integrated management at a regional sea scale should already provide a platform
- Delivery of effective CIA requires centralised and joined-up responsibility
 - Holistic vision, primary thinking, direction, leadership



Thankyou

Alive without breath, As cold as death; Never thirsty, ever drinking, All in mail never clinking.

ian.reach@marinespace.co.uk



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