Finding space for offshore wind to support net zero

Hugo Putuhena  University of Southampton, UK, h.s.putuhena@soton.ac.uk, https://www.southampton.ac.uk/iroe

Net zero targets
• Current leased sites for offshore wind have used ~3% of space in the UK-EEZ waters
• To meet the net zero targets, the space for offshore wind needs to be increased by 2-5x

UK waters are a busy space
70% is not available: leased sites, area with more crowded constraints, no-go zones, or too deep or too far
• 34 spatial constraints have been identified

Available spaces in UK waters
>40% of available spaces will be needed: either in clear water, area with less or equal crowded constraints
• Most of available UK waters ‘deep’ (60-227m)
[ ] - needing floating offshore wind
• Some spaces are located in difficult seabed

Open-access dashboards

Future challenges
[1] Cumulative effects on marine ecosystems
[2] Deeper water & further from shore
[3] Demands on supply chain

Addressing challenges
R&D + collaboration

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