



MARINE SPATIAL PLANNING – HYDROCARBONS PERSPECTIVE

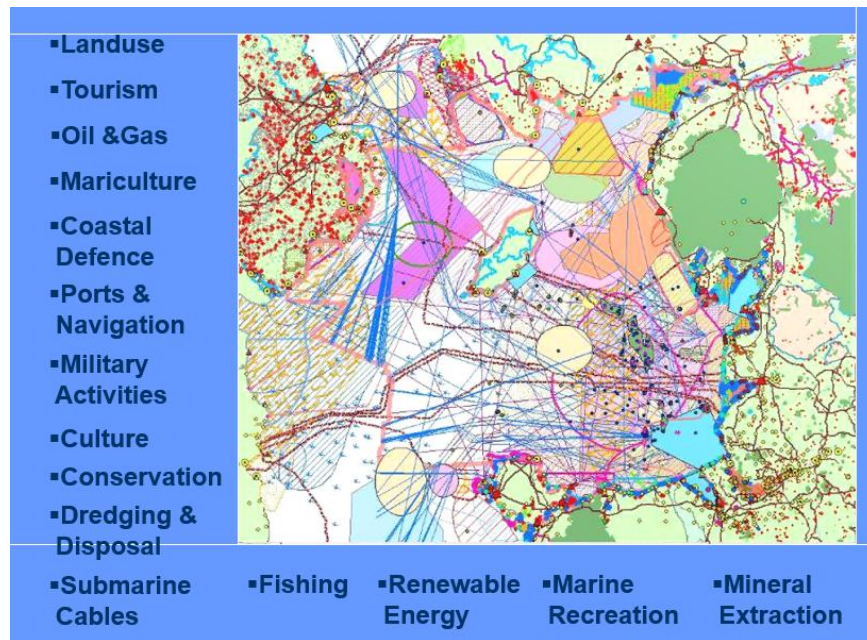
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VALUE OF POSITIVE PARTICIPATION

- Proactive stakeholder engagement
 - Understanding marine plans and the planning process
 - Stakeholder register
 - Risk register
 - Accurate data
- Have the right resources
 - Capability, capacity and costs
 - Timeframe
 - Keep good records
- Developer information and engagement
 - Take it seriously
 - Check project assumptions
 - Early feedback



EVALUATION OF A NEW DEVELOPMENT

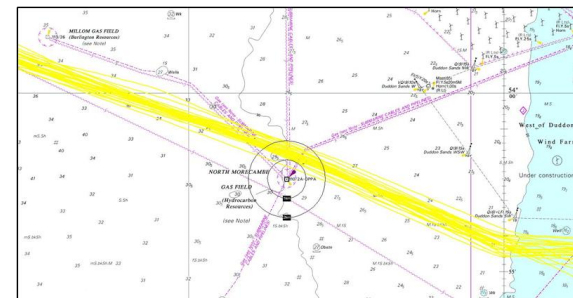
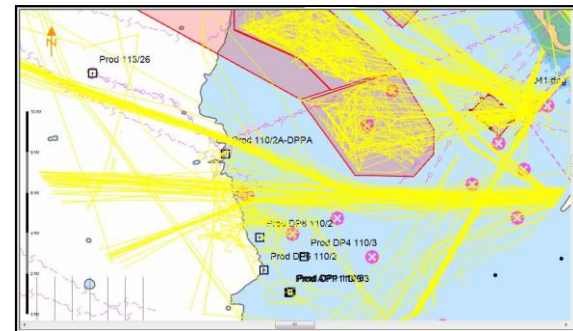
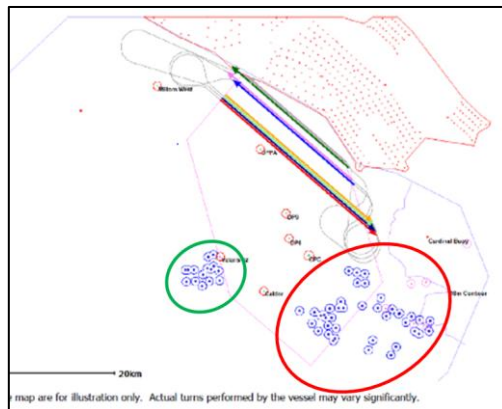
- Consider the implications
 - Determine assets and activities potentially affected
 - Current and future
 - Initial appraisal
 - Regular operations
 - Transient activities
 - Weather & seasons
 - Update your risk register
- Engagement
 - Awareness within own organisation
 - Build relationship with developer
 - Attend themed workshops

Preliminary Environmental Information Report (PEIR) with over 70 volumes

- Non-Technical Summary
- Volume 1: Introductory Chapters
 - Chapter 1: Introduction and Overarching Glossary
 - Chapter 2: Policy and Legislation
 - Chapter 3: Project Description
 - Chapter 4: Site Selection and Consideration of Alternatives
 - Chapter 5: Environmental Impact Assessment Methodology
- Volume 2: Offshore Chapters
 - Chapter 1: Marine Processes
 - Chapter 2: Benthic Ecology
 - Chapter 3: Fish and Shellfish Ecology
 - Chapter 4: Marine Mammals
 - Chapter 5: Offshore Ornithology
 - Chapter 6: Commercial Fisheries
 - Chapter 7: Shipping and Navigation
 - Chapter 8: Aviation, Military and Communications
 - Chapter 9: Marine Archaeology
 - Chapter 10: Seascape and Visual Resources
 - Chapter 11: Infrastructure and Other Users
 - Chapter 12: Inter-related Effects (Offshore)
- Volume 3: Onshore Chapters
- Volume 4: Introductory Chapter Annexes
 - Annex 1.1: HS Project 1 and HS Project 2 Consultation Relevant to Hornsea Three
 - Annex 3.1: Subsea Noise Technical Report
 - Annex 3.2: Dredging and Disposal (Site Characterisation)
 - Annex 3.3: EMF Compliance Statement
 - Annex 5.1: Cumulative Effects Screening Matrix
 - Annex 5.2: Location of Cumulative Schemes
 - Annex 5.3: Transboundary Impacts Screening Note
- Volume 5: Offshore Chapter Annexes
 - Annex 1.1: Marine Processes Technical Report
 - Annex 2.1: Benthic Ecology Technical Report
 - Annex 2.2: Water Framework Directive Assessment
 - Annex 2.3: Marine Conservation Zone Assessment
 - Annex 3.1: Fish and Shellfish Technical Report
 - Annex 4.1: Marine Mammal Technical Report
 - Annex 5.1: Baseline Characterisation
 - Annex 5.2: Displacement Analysis
 - Annex 5.3: Ornithology Collision Risk Modelling
 - Annex 6.1: Commercial Fisheries Technical Report
 - Annex 7.1: Navigational Risk Assessment
 - Annex 9.1: Marine Archaeology Technical Report
 - Annex 9.2: Draft Written Scheme of Investigation
 - Annex 10.1: Seascape and Visual Resources Tech. Report
 - Annex 10.2: Seascape and V. Resources Wirelines
 - Annex 10.3: Seascape and V. R. Cumulative Wirelines
 - Annex 11.1: Radar Early Warning Systems Technical Annex

CONSEQUENCES FOR IMPACTED OPERATIONS

- Spatial squeeze from other sectors
 - Shipping corridors, closer routes
 - Fishing displaced, increased interaction
 - Snowball effect of development
- Limitations on access
 - Review safety considerations
 - Potential to be sub-economic
 - Limits on development



OPPORTUNITIES

- Collaboration and coexistence
 - Look for synergies
 - Common language, units and terminology
 - Information sharing
 - Technology
 - Resource sharing
 - Compromise
 - Cooperation agreement
- Transition
 - Repurposing
 - Logistics
 - Jobs
 - Managed timeframe

