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Sectorial SEA Examples:

Offshore Wind Energy, UK

Subregional Workshop on the Practical Application of SEA and Transboundary EIA, 26 – 27 October 2020

Action implemented by:

OECD BETTER POLICIES FOR BETTER LIVES | UNECE | UN environment programme | UNIDO | WORLD BANK GROUP

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SEA of Offshore Wind Farms – United Kingdom

Photograph:
Peter Byrne/PA

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Output ✕

18.2%

Share of UK electricity currently being generated by offshore wind

2541.6 GWh

Total electricity generated by offshore wind in the previous month

25.3 TWh

Total electricity generated by offshore wind year to date

34.6 TWh

Total electricity generated by offshore wind in the last 12 months*

Source: www.thecrownestate.co.uk, October 2020

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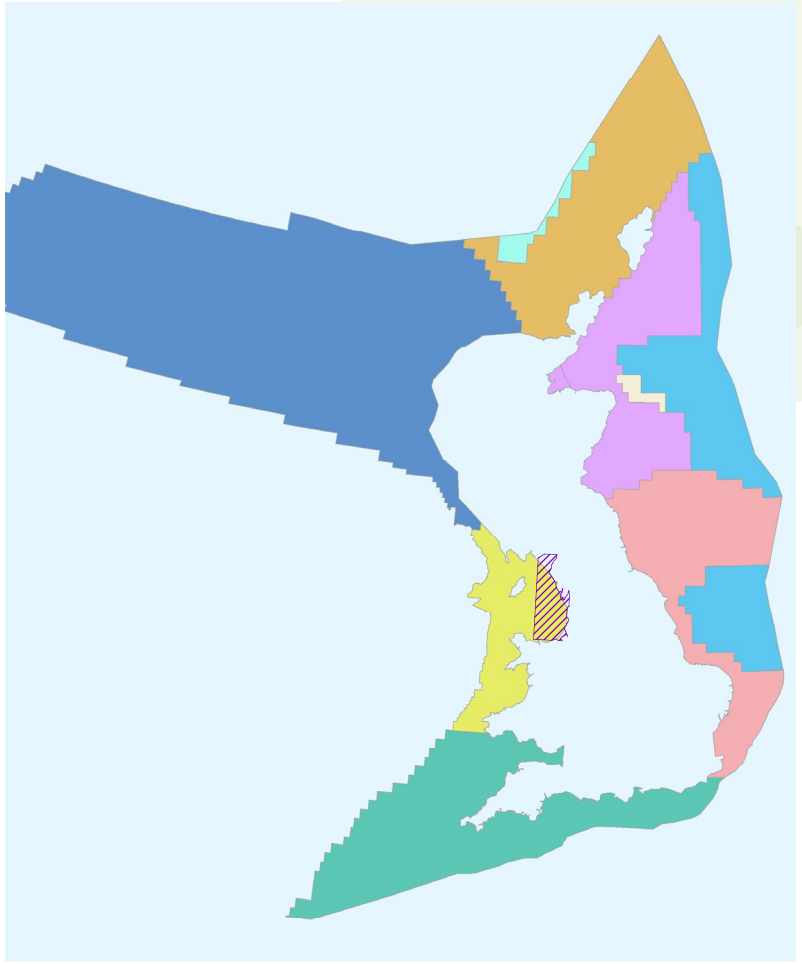
Zoned approach to SEA of offshore energy



ategic
areas

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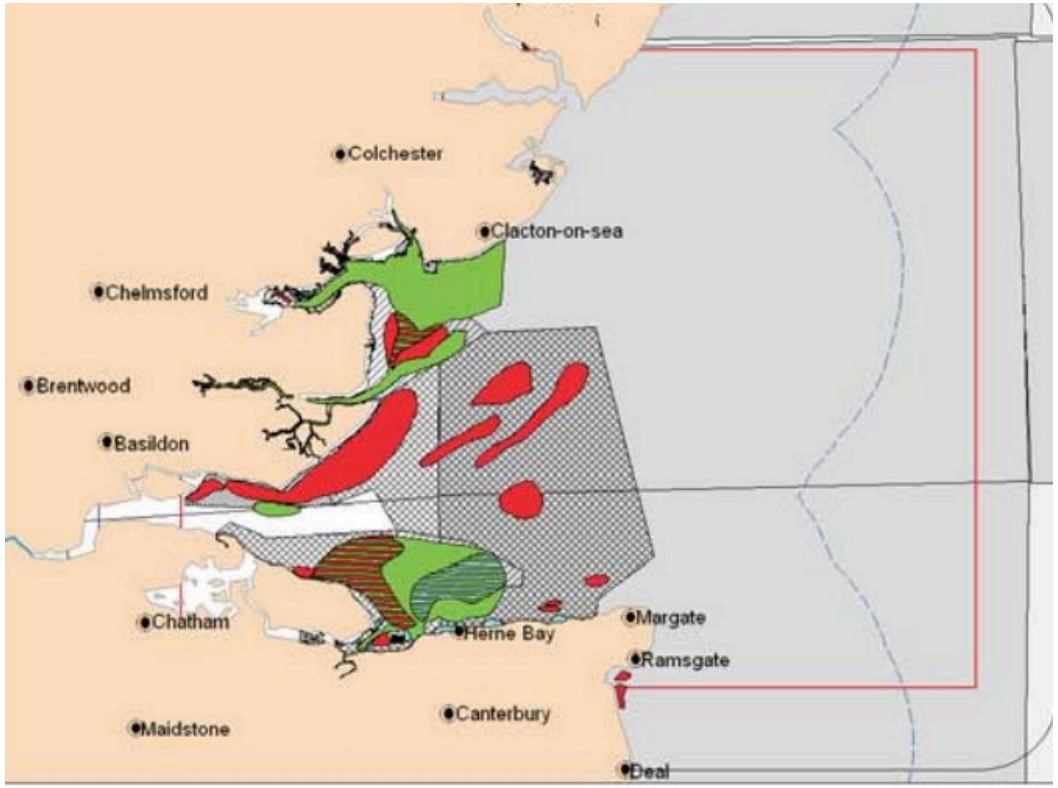
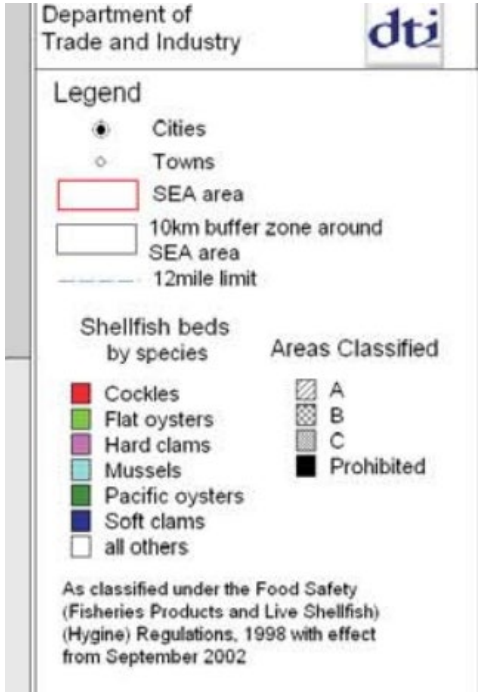
Constraints mapping (1)





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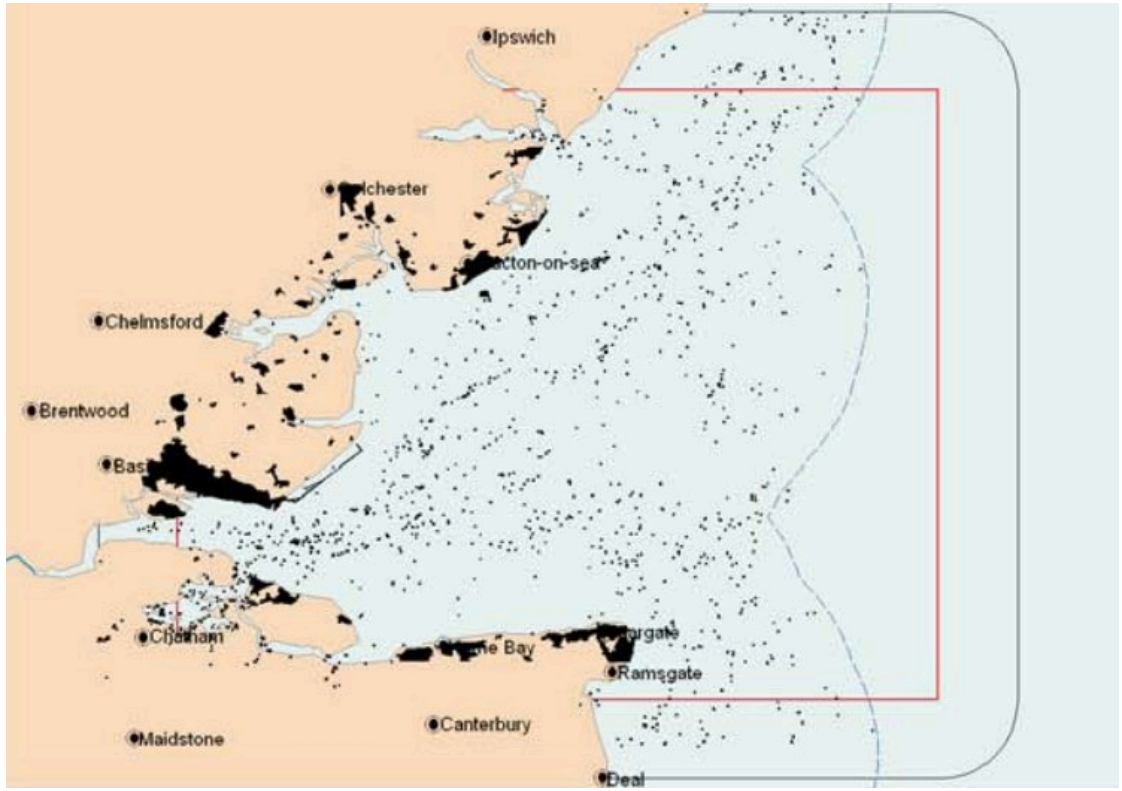
Constraints mapping (2)



Legend
- Cities
- Towns
- SEA area
- 10km buffer zone around SEA area
- 12mile limit
- National Monument Records, obstructions and cultural heritage sites.

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Impact Forecasting

1. Sandbank mobility
2. Changes to seabed morphology
3. Scouring of sediments
4. Changes to flow regime and wave direction
5. Changes to coastal sediment budgets

6. Loss of food resources for faunal groups
7. Interruption of migratory routes (fish)
8. Disturbance of birds
9. Bird strikes

10. Loss of shellfish beds
11. Impacts on fisheries

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Good Practices

- Established an offshore SEA Steering Group:
  - Provide advice to facilitate SEA process;
  - Promote stakeholder involvements;
  - Achieve timely preparation of quality documents.
- Online portal hosting all data collected during SEAs and EIAs.
- SEA recommendations / implementation auditing
  - Compilation of recommendations from SEAs and action status.
- SEA Research Programme:
  - Commission research in response to identified data gaps.