Coastal Futures Short Presentations Wednesday 18th January 2017

- Will Maclennan
- Stuart Anderson
- Chris Pate
- Chris Williams

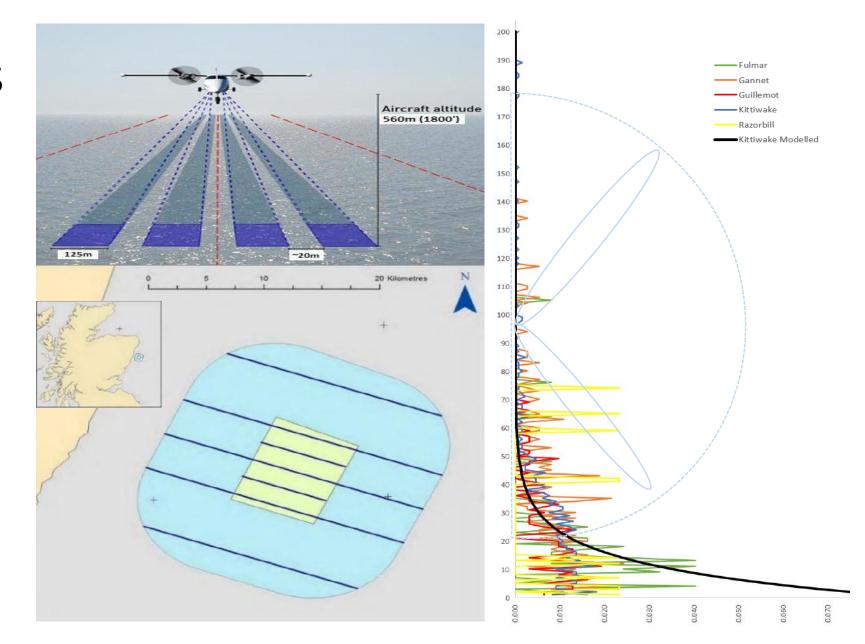
Kincardine Floating Offshore Windfarm

Will Maclennan Senior Marine Environmental Scientist

26 January 2017

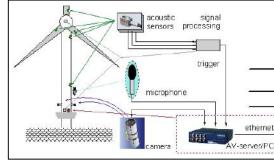
Aerial Surveys

- Sixteen months of aerial surveys
- Transects covering site and 8km buffer.
- Identification of birds to species level.
- Calculation of site specific bird flight heights.



Monitoring and Mitigation

- Proposed Measures:
 - WT-Bird System
 - Acoustic Sensors
 - HD Cameras
 - Collision Avoidance Measurement System (CAMS)
 - Stereoscopic cameras with 3D flight paths
 - Three years postconstruction aerial surveys
 - A phased approach to the construction of the turbines
 - Allows 12-18 months of monitoring following installation of the first turbine.







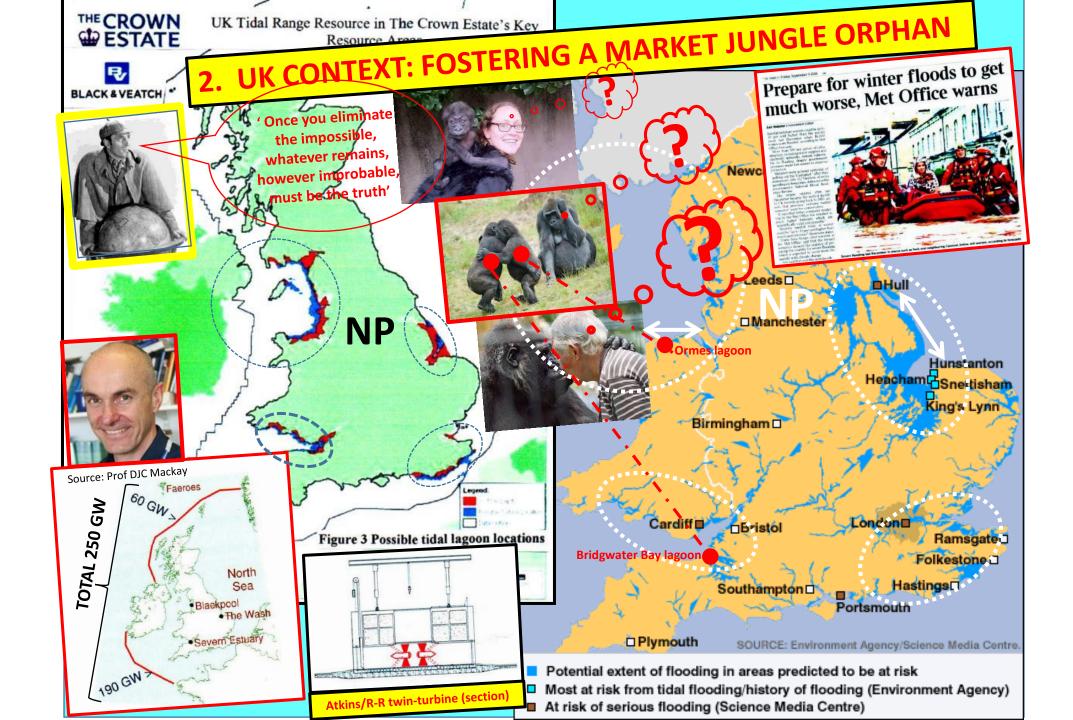


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Image sources:

- Verhoef *et al*, WT-Bird A novel Bird Impact Detection System.
- Wiggelinkhuizen *et al*, Bird collision monitoring system for the multi-megawatt wind turbines WT-Bird Summary of prototype development and testing.







and Tomorrow





EC Treaty gives the EU competence in relation to culture, to the extent of encouraging co-operation between the Member States, and 'supporting and supplementing' their activities in this area. There is no cultural heritage equivalent to the Habitats Directive although there is inclusion within SEA and EIA







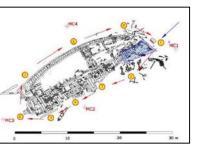
HMS Colossus (1798) dive trail. Isles of Scilly



UK Marine Policy Statement (2011): "In considering the significance of heritage assets and their setting the marine plan authority should take into account the particular nature of the interest in the assets and the value they hold for this Wreck found in **Englishing Pater – Head of Marine Planning**

Coastal Futures Conference – 18th January 2017









The Blue New Deal Action Plan







Background on Blue New Deal

- 20-point action plan led by NEF & developed in partnership
- Aim: give coastal communities control over their future whilst restoring UK seas
- Sectors: Energy, Coastal Mgmt., Fisheries, Aquaculture, Tourism
- Could support 160,000 additional jobs and £7.2 billion additional income in coastal Local Authorities







- Marine environment -unique asset -huge economic & social regeneration potential
- Coasts dotted with innovative projects
- Transformative economic coastal reform is possible.
- NEF will continue to work with coastal communities, help them reinvent; take control; amplify their voice.
- Launched in November 2016, with cross-party support from dozens of MPs and a number of coastal organisations
 BE PART OF IT....