Accommodating Ocean Energy in Marine Spatial Planning Processes

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Projects

Tidal:

- Pelamis - 15-20 x 1MW devices, 1km$^2$
- Meygen - 86 x 1MW, 1.1km$^2$
**Fig. 14. Human use conflicts and compatibility matrix**
Scotland

- First MSP in the **Orkney Islands**
- Orkney has **exceptional environmental quality**
- Marine resources important to **national and local economies**
- MSP driven by arrival of **wave and tidal energy**
Figure 6.1b: Tidal Resource Detail Map Area 1
Scotland

• **Policy-based** approach
  
  • Each activity has a *policy* developed to determine how it is prioritised and integrated with other activities
  
  • Areas are not ‘zoned’
  
  • More *flexible*, but leaves potential for conflicts
  
  • Very *long* process
Oregon

- **Exclusionary** approach
  - Plan zones different uses
  - 74% **incompatible** with ocean energy
  - 2% as “**Renewable Energy** Facility Suitability Study Areas”
  - Focusses on **constraints** rather than opportunities
  - Industry has expressed concern at what it sees as a ‘negative approach’
Key issues

- Prioritisation of uses
- Coexistence
- MSP vs. zoning
- Resource allocation
- Data
- Sustainability
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