

# Marine Renewables Offshore Wind Team



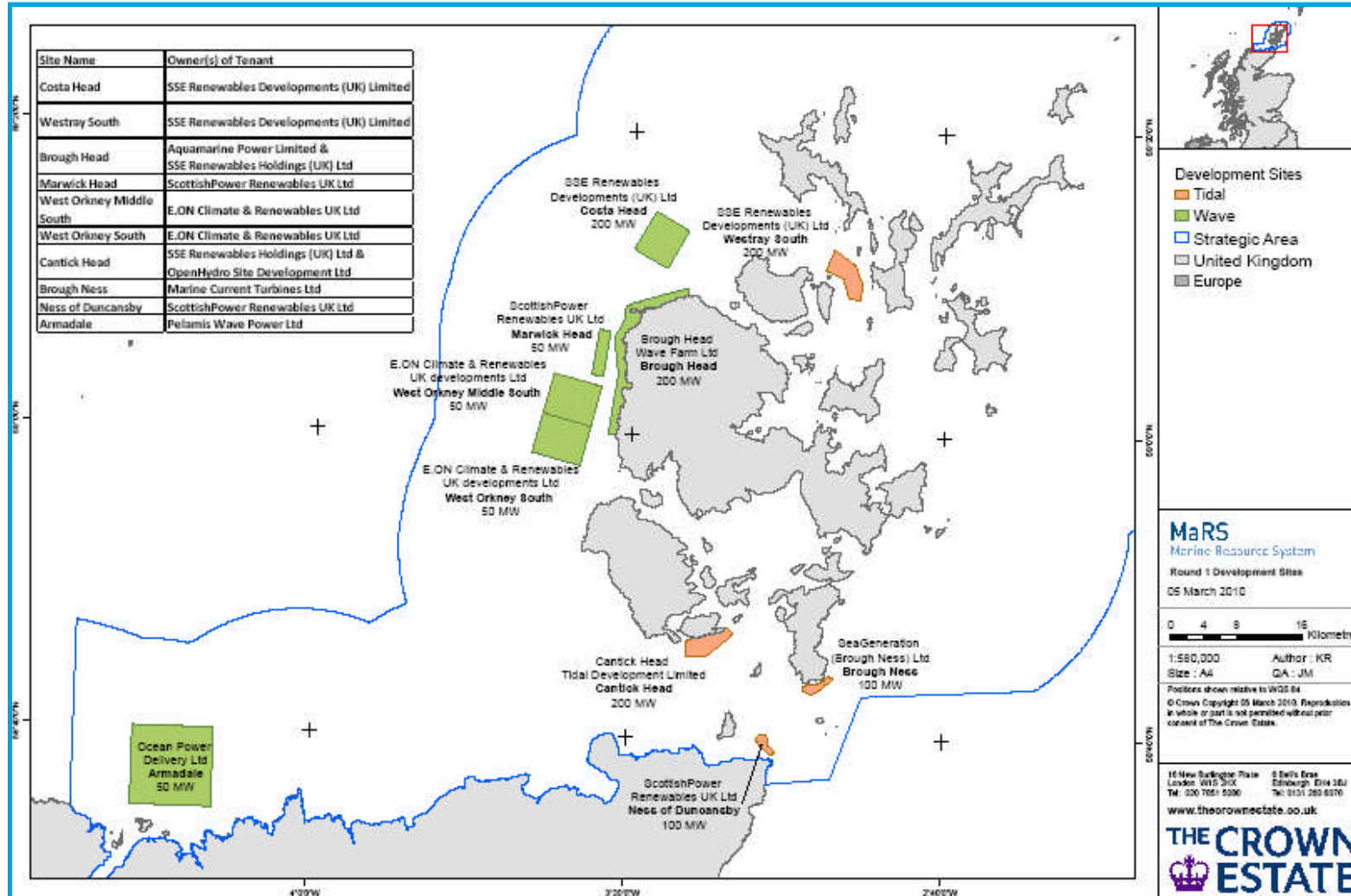
**Phil Gilmour**  
**Policy Advisor**

**marinescotland**

# Marine Renewables SEA

- **Main findings in 2007 report:**
  - **Wave and tidal energy resource potential.**
  - **Industry requires:**
    - Locational guidance
    - Simplified regulation
  - **Uncertainties related to new technology and environmental impacts need to be addressed:**
    - Research programme
    - Deploy and monitor policy
    - Demonstration strategy

# Pentland Firth and Orkney Waters Development Sites (1.2 GW)



# Pentland Firth and Orkney Waters Marine Planning

## Developing model approaches.

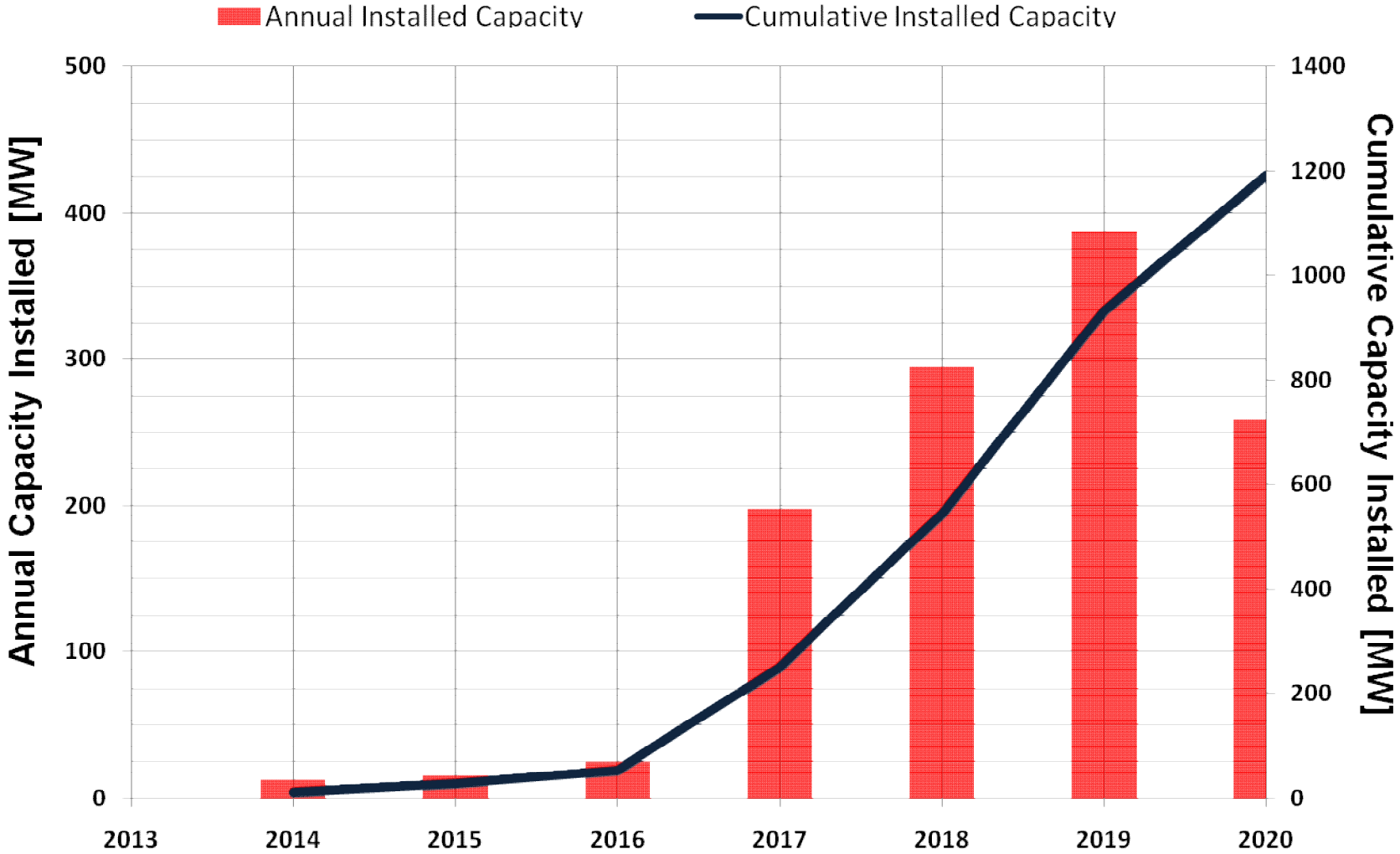
- Marine Spatial Plan (MSP)
- Regional Locational Guidance (sector specific)

## 3 stage process:

1. Readily available information used for draft framework and RLG
  - Non statutory Consultation April to June 2010
2. Commission studies to address identified gaps in knowledge.
3. Create balanced governance structure(s), Marine Act compliant to develop policy.



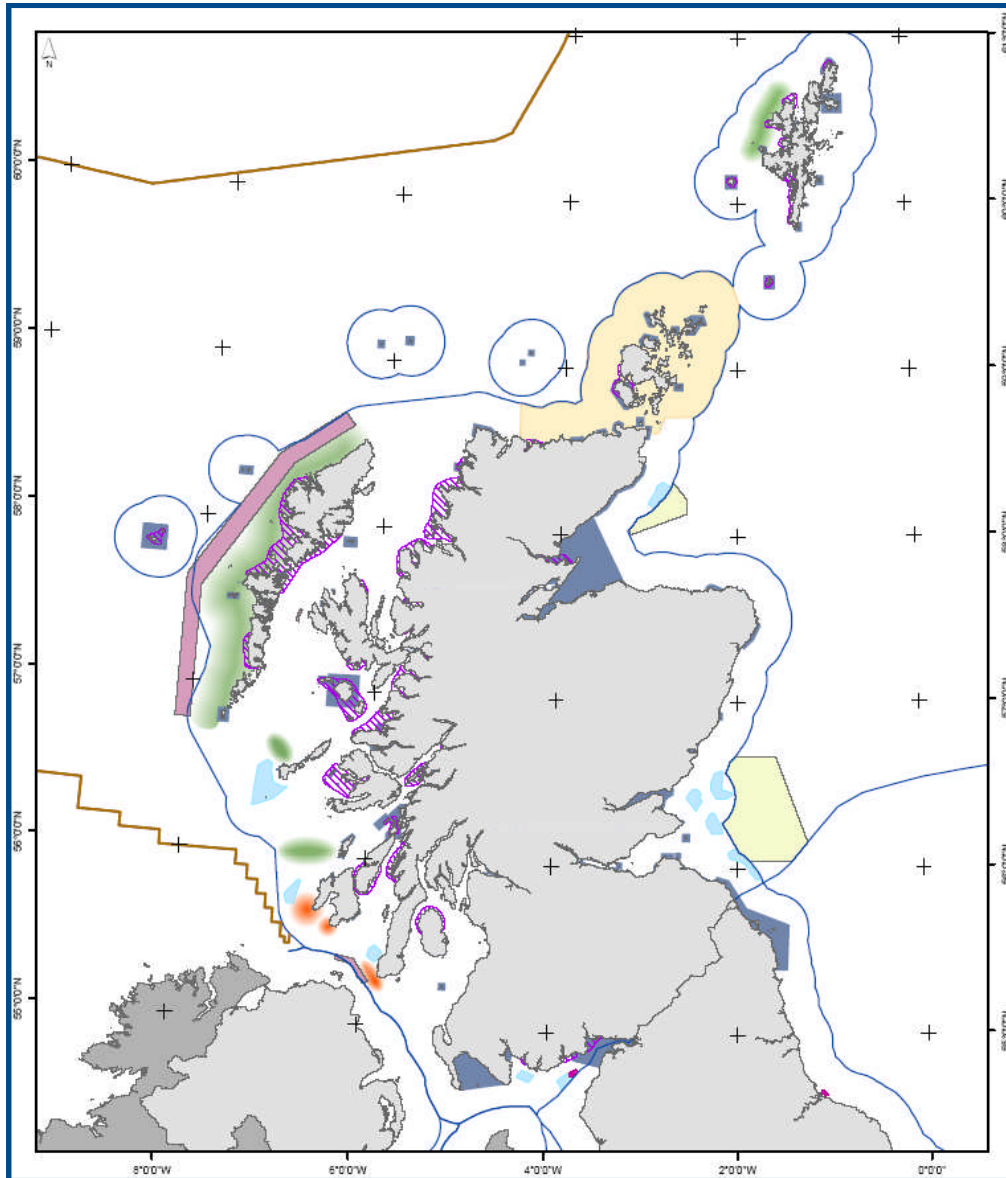
# Pentland Firth Wave and Tidal – Build up Profile



# The Saltire Prize

- Additional Scottish leasing areas for wave and tidal development launched by SG Minister Jim Mather on 23 March 2010
- Competitors for a £10m prize must demonstrate commercial devices that achieve minimum output of 100GWh over a continuous two year period
- Scoping document to identify resource areas which avoid the main environmental constraints and conflicts of use, now published.
- Regional Locational Guidance being taken forward by MSS for each of the areas identified.
- Propose to make a joint announcement with TCE on the area(s) for additional lease bidding and planned development very soon.

# Further Scottish leasing round (Saltire Prize projects) Proposed areas



	<b>Further Scottish leasing round (Saltire Prize projects)</b>	<b>MaRS</b> Marine Resource System
	05 March 2010	Size : A4 Author : KR 1:3,350,000 QA : DF
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# Simplified Licensing

1. Licensing manual
2. One stop shop
3. Environmental monitoring Protocol by SNH
4. Deploy and Monitor policy

## Other solutions include:

- Consenting matrices approach based upon:
  - Scale of development
  - Sensitivity of environment
  - Device risk
- Toolbox approach
  - Strategic survey information
  - Designated site survey data
  - 1(+1) year parallel survey and application process

# Matrices Approach

Licensing Matrix A

Development  
Size (MW)

Large	Moderate	Maximum	Maximum
Medium	Minimum	Moderate	Maximum
Small	Minimum	Minimum	Moderate
	Low	Medium	High (Natura)

Environmental Sensitivity Level

Licensing Matrix B

Device  
Risk

Large	Moderate	Maximum	Maximum
Medium	Minimum	Moderate	Maximum
Small	Minimum	Minimum	Moderate
	Low	Medium	High (Natura)

Environmental Sensitivity Level

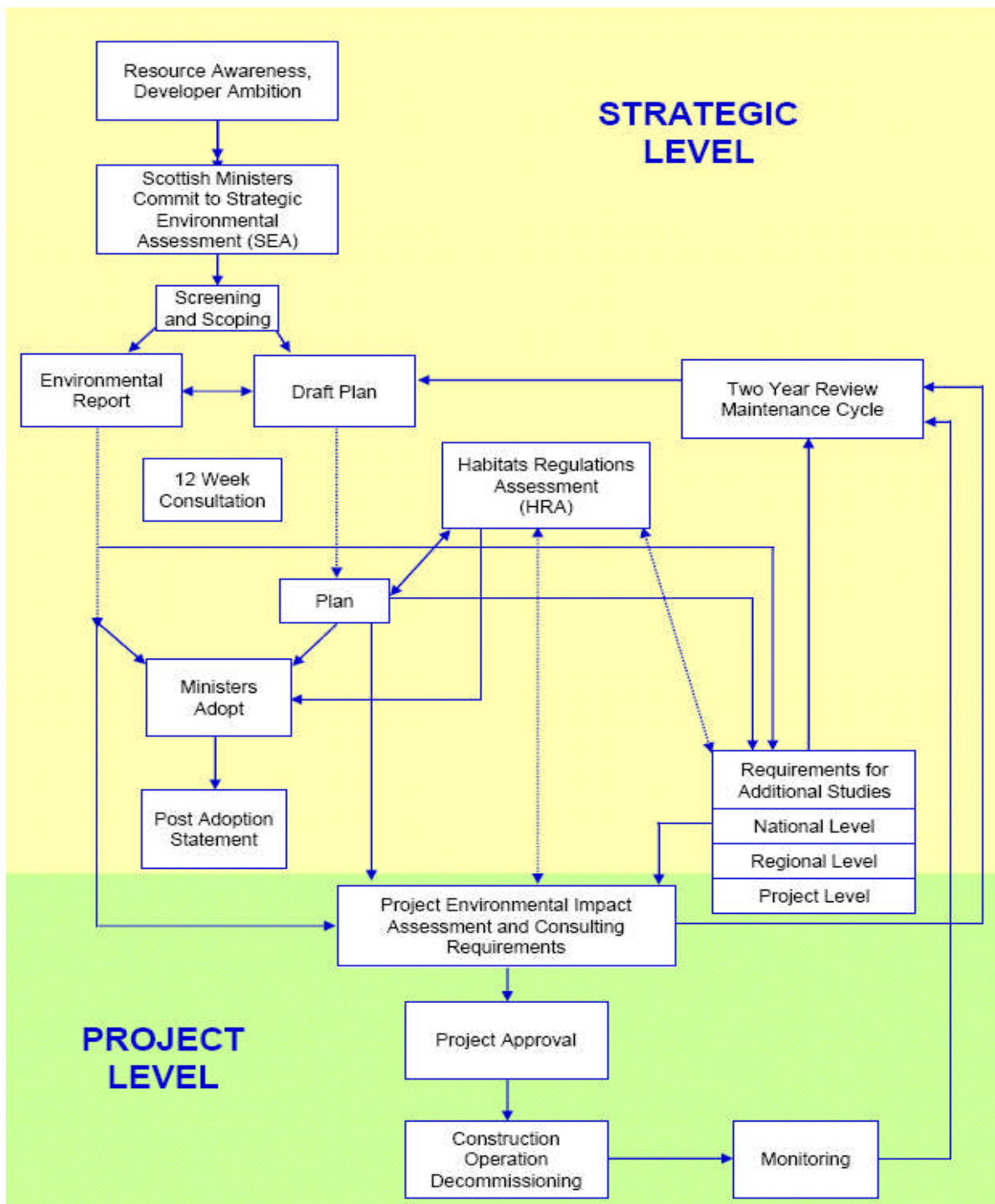
# Environmental Unknowns

- **Marine Renewables SEA highlighted issue of new technology introducing risk of unknown environmental impacts, such as:**
  - Marine species collision risk,
  - Operational impacts, i.e. noise effects,
  - EMF,
  - Scour or deposition.
- **Demonstration strategy**
  - Strangford Narrows demonstration
  - EMEC deployment monitoring
  - Demonstration Project(s)?

# Offshore Wind

- The Crown Estate (TCE) 10 exclusivity agreements within STWs
- SEA screening and scoping study completed
- Halcrow commissioned to produce a SEA environmental report to facilitate a draft Plan
- Report are now out for consultation
- Draft Plan
  - 10 sites short term options,
  - 25 sites as medium term options.
- Statutory consultation over the following 12 weeks ends 16<sup>th</sup> August

# Relationship Between Environmental Report, Plan and Project Consenting



# Communications

