



# EIMR INTERNATIONAL CONFERENCE 2022

Environmental Interactions of Marine Renewables

## EIMR 2022; Programme Day 3 - Thursday 6th October

**10.45am** Conference Day welcome; Chair of the EIMR2022 Scientific Advisory Committee - Prof. Ben Wilson

**11.00am to 12.00 noon – Theme Session 1 “Scaling up from single devices to potential future seas 2”**

Chair; David Woolf

Live summary of pre-recorded oral presentations for this theme session discussion (2 minutes x 1 slide by each presenter)

| <i>Pre-recorded oral presentations for theme session discussion</i>   | <i>Presenter</i>        |
|---|-------------------------|
| <i>Assessing Connectivity of Epibenthic Communities provided by Offshore Energy Infrastructure in the North Sea</i>           | <i>Andrew Want</i>      |
| <i>Indicators for whole ecosystem responses to understand climate and anthropogenic change in coastal seas</i>                | <i>Neda Trifonova</i>   |
| <i>A plausible layout for North Sea offshore wind in 2050</i>   | <i>Simon Waldman</i>    |
| <i>Cumulative Effects of Offshore Renewables: from pragmatic policies to holistic marine spatial planning strategic tools</i> | <i>Morgane Declerck</i> |

**12.00 noon to 1.00pm – Keynote for the day**

Early career researchers in renewables; The journey through research, current work and future opportunities in the industry out to 2050 (tbc)

**1.00pm to 2.00pm; Conference break (live e-Posters session - 1.15pm to 1.45pm)**

| <i>Live e-posters to view</i>   | <i>Presenter</i>      |
|---|-----------------------|
| <i>Potential environmental effects of widespread future deployment of floating ORE structures</i>   | <i>Caitlin Harris</i> |
| <i>Changes in the distribution and abundance of marine top-predators in the North Sea associated with present and future wind farm developments</i> | <i>Sophie Crouch</i>  |
| <i>The applicability of unmanned aerial vehicles as a survey tool within tidal stream environments</i>  | <i>James Slingsby</i> |
| <i>IMARDIS Cyberinfrastructure – a cloud-based data management system for environmental impact assessments of tidal turbines</i>                    | <i>Noel Bristow</i>   |



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## 2.00pm to 3.00 pm – Theme Session 2 “Considering other stakeholders”

Chair; Raeanne Miller

Live summary of pre-recorded oral presentations for this theme session discussion (2 minutes x 1 slide by each presenter)

| <i>Pre-recorded oral presentations for theme session discussion</i>   | <i>Presenter</i>          |
|---|---------------------------|
| <i>Unlocking blue growth: Coastal managers role in balancing dialectic tensions of environmental protection and economic development</i>            | <i>Jessica Giannoumis</i> |
| <i>Understanding coastal community attitudes towards the provision of offshore wind energy community benefit funds: An Irish Case Study</i>         | <i>Nuala Carr</i>         |
| <i>Just energy transition? How current practice is considering fisheries during the emergence of renewable energy production in Scottish waters</i> | <i>Inne Withouck</i>      |

## 3.00pm to 4.00 pm – “Evaluating impacts for consenting”

Chair; Ceri Seaton

Live summary of pre-recorded oral presentations for this theme session discussion (2 minutes x 1 slide by each presenter)

| <i>Pre-recorded oral presentations for theme session discussion</i>  | <i>Presenter</i>        |
|--|-------------------------|
| <i>Evaluating impacts of offshore wind farm construction on harbour porpoises (Phocoena Phocoena) in the North Sea: a model-based approach</i> | <i>Steven Benjamins</i> |
| <i>Three key lessons from post-consent monitoring of tidal stream developments</i>   | <i>Kate Smith</i>       |
| <i>From Science to Consenting: Tools and Guidance to Support Regulatory Decision-Making for Marine Renewable Energy</i>                        | <i>Andrea Copping</i>   |
| <i>Critical evidence gaps for tidal lagoon developments in 2022</i>  | <i>Raeanne Miller</i>   |

## 4.00pm to 4.30pm - live e-Posters session

| <i>Live e-posters to view</i>   | <i>Presenter</i>         |
|---|--------------------------|
| <i>Efficiency of environmental DNA compared to conventional methods for biodiversity monitoring purposes at offshore energy sites</i> | <i>Lenaig Hemery</i>     |
| <i>Evaluating the performance of multibeam echosounders with standardised targets</i>   | <i>Nicholas Petzinna</i> |
| <i>Deep recurrent neural networks to classify marine mammals around tidal turbines using passive acoustic monitoring</i>              | <i>Vahid Seydi</i>       |
| <i>Tethys: Facilitating Knowledge Sharing on Environmental Effects of Marine Renewable Energy Around the World</i>                    | <i>Hayley Farr</i>       |
| <i>A local approach to the standardisation of socio-economic values for suitability mapping</i>                                       | <i>Inne Withouck</i>     |



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## **4.30pm to 4.45pm – Conference Close Out**

Prof Ben Wilson: *Chair of the EIMR2022 Scientific Advisory Committee*

- *Conference Summary*
- *Prizes*
- *EIMR Future plans*

**Finish Day Three**