

# Energy In Transition and the Impacts for Site Investigation and Characterisation

Thursday 16 September 2021 - St. James' Park, Newcastle

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## 08:30 Registration & Coffee

## 09:15 Welcome & Introduction - Karen Dalton, Mick Cook

**09:25 Marine Infrastructure and Environmental Challenges: An Update on Marine Licensing from the Marine Management Organisation** - Shaun Nicholson, *MMO*

## Session 1 Decommissioning – Chair – Mick Cook, SUT

**SIMULATION-LED – Integrating Sustainability, Engineering and Economic Ecosystems to Reconsider Decommissioning in the Context of ‘Climate Emergency’** - Moya Crawford, *Deeptek*

**Decommissioning - An Industry Perspective** - Joe Leask, *OGUK*

**Marine Geo- and Eco-Engineering Solutions to Mitigate Climate Change - an Holistic Assessment** - Professor Mike Elliot, *Hull University*

**A Need for Data-led Selection of Ecologically Optimal Decommissioning Options** - Damien Kirby, *MarineSpace*

Questions for the Panel

## Morning Tea/Coffee Break

## Session 2 Carbon Capture and Storage – Chair – Karen Dalton, RPS

**Digital Geoscience in Offshore Wind & CCS** - Thomas Langford, *NGI*

**The “IOGP Guidelines for Seabed and Overburden Integrity Monitoring for Offshore CO2 Storage”** - Eric Cauquil, *TotalEnergies*

**Site Investigation for Site Characterisation and Initial Design of HDD Duct and Cable Landings** - Victor Terente/David Hinxman, *Cathie*

Questions for the Panel

## Lunch Break

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## Session 3 **Fixed Offshore Wind** – Chair – **Roi Santos, Ørsted**

USVs – The Safe, Reliable and Low Carbon Solution for the Collection of Ocean Data - Hannah Bartlett, *XOcean*

Development and Investigation of Silent Foundations for Offshore Renewable Energy -  
Professor Mike Brown, (*Dundee University / Heerema*)

The Application of Site Investigation Data to Further De-risk Offshore Wind Developments: Assessment of Site Morphodynamics and Potential Seabed Level Variability - Kevin Black, *Partrac*

Laboratory Testing for FEA-Based Foundation Design: Pitfalls and Opportunities - Scott Whyte, *Geowynd*

The Case for Understanding Metocean Conditions on Your Wind Farm Early: How a Team of Oceanographers Can Deliver Multimillion Pound Savings - Jacob Royle, *SSE*

Questions for the Panel

## Afternoon Tea/Coffee Break

## Session 4 **Floating Offshore Wind** – Chair – **Phil Durrant, MarineSpace**

Micropile Solutions for Floating Structures - Jon Machin, *Subsea Micropiles*

Seabed Characterisation for Design of Offshore Floating Wind Foundations - Alice Maynard, *DNV*

Mooring Foundation Challenges for Offshore Floating Wind - Fraser Gibson, *Ryder*

Ground Model Site Characterisation for the Offshore Energy Industry - David Rushton, *OWC*

Energy Transition, Site Investigation Challenges, Holistic View - Roi Santos, *Ørsted*

Questions for the Panel

Closing Comments - Peter Allan

**17:30 - 18:30 Drinks Reception & Networking**

**18:30 - 23:00 Dinner**