



Structures in the Marine Environment 2022

**Tuesday 7th June (1000-1730, plus evening meal)
In person at the Royal Scots Club, 29 - 31 Abercromby Place
Edinburgh, EH3 6QE**

Academics, stakeholders, industry and government reps, stakeholders and interested parties are invited to come together for talks, e-posters, networking and discussion about man-made structures already within the marine ecosystem (such as O&G platforms and pipelines), and any new infrastructures that may be put in place over the coming decades (e.g. renewable energy structures).

Programme

0930-1000 Registration

1000-1010 Conference opening by **Dickon Howell**, INSITE Programme Lead

1010-1030 Plenary talk from **Lea-Anne Henry** (University of Edinburgh) - Maximising success of the UN Decade of Ecosystem Restoration with offshore structures

1030-1110 Short introductions to the seven projects of the INSITE programme

- 1030-1040 **Dr Debbie Russell** (University of St Andrews) - *EcoSTAR: Ecosystem level importance of Structures as Artificial Reefs*
- 1040-1050 **Dr Natalie Hicks** (University of Essex) - *FUECOMMS: Functionality and Ecological Connectivity of Man-Made Structures*
- 1050-1100 **Professor Paul Fernandes** (University of Aberdeen) - *FISHSPAMMS: Aggregation, production and spillover: the cumulative effect of man-made offshore structures on fish*
- 1100-1110 **Dr Joanne Porter** (Heriot-Watt University) - *CHASANS: Connectivity of Hard Substrate Assemblages in the North Sea*

1110-1145 Coffee, posters and networking

1145-1245 Short introductions to the seven projects of the INSITE programme

- 1145-1155 **Dr Daniel Jones** (National Oceanography Centre) - *ATSEA: Autonomous Techniques for anthropogenic Structure Ecological Assessment* (pre-recorded talk)
- 1155-1205 **Dr Thomas Wilding** (Scottish Association for Marine Science) - North Sea 3D: Application of novel 3D imaging techniques to quantify biomass and secondary production associated with North Sea artificial structures.
- 1205-1215 **Dr. Anaëlle Lemasson** (Plymouth Marine Laboratory) - DREAMS: Decommissioning - Relative Effects of Alternative Management Strategies (pre-recorded talk)
- 1215-1225 **Dr Paul Somerfield** (Plymouth Marine Laboratory) – INSITE overall synthesis project
- 1225-1245 Q&A and discussion

1245-1345 Lunch and networking

1345-1535 **Talk session 1. Session Chair: Peter Oliver (TBC)**

- 1345-1400 **Ruth Callaway** (Swansea University) - *Enriching coastal infrastructure: the multi-stakeholder project 'Mumbles Sea-Hive'*
- 1400-1415 **Paul Fernandes** (Aberdeen University) - *Surveying marine fish from your desk: deploying an Uncrewed Surface Vehicle into an offshore windfarm and up to oil and gas platforms*
- 1415-1430 **Eline van Onselen** (DNZ) - *Nature enhancement and offshore wind - A future filled with opportunity?*
- 1430-1440 Q&A session
- 1440-1455 **Rebecca von Hellfield** (Aberdeen University) - *In situ decommissioned pipeline associated mercury and the risk of its bioaccumulation in marine food webs: The need for long-term environmental risk assessments*
- 1455-1510 **Joshua Lawrence** (Aberdeen University) - *Spatial associations between fish and North Sea oil and gas platforms*
- 1510-1525 **Victoria Todd** (Ocean Sciences Consulting) - *Marine mammals visit at the new restaurant in town... but it's just your average fish & chips*
- 1525-1535 Q&A session

1535-1605 Coffee, posters and networking

1605-1720 **Talk session 2. Session Chair: Prof Beth Scott (TBC)**

- 1605-1620 **Emmanuele Eke** (RGU) - *Investigating Decommissioning Options Selection: A Survey-Driven Approach.*

- 1620-1635 **Maria Martins** (University of St Andrews) - *Compiling a Database of Offshore Energy Structures in the North Sea: Past, Present and Future*
- 1635-1650 **Gareth Thomas** (University of Essex) - *Decommissioned Oil-Rigs in the Marine Environment: Friend or Foe?*
- 1650-1705 **Joseph Marlow** (SAMS) - *North Sea 3D – Measuring biofouling biomass from industry ROV footage*
- 1705-1720 Q&A session

1720-1730 Wrap up and conference closing by Dickon Howell

Evening meal

We hope you can join us in an informal setting during the evening of 7th June. There will be drinks in the Royal Scots Club bar from 1900 and a three-course meal at 1930. You will be able to note any dietary requirements when you register.

Posters

Posters will be available to view at any time during the day, but poster authors will be present at their posters during the two coffee breaks, so please take the time to speak with the authors.

- Zelin Chen (University of Essex) - Man-made structures and their ecological implications in the North Sea benthic communities
- Christopher Gade (Aberdeen University) Quantitative risk assessment of mercury in the aquatic environment: linking mobility, bioavailability, and bioaccumulation
- Jemma Reynolds (RGU) - Impact assessment of addition, removal and repurposing of subsea storage and infrastructure on biological marine ecosystems
- Craig Stewart (RGU) - An Investigation into Underwater Wireless Sensor Networks for Monitoring the Effect of Marine Structures on North Sea Life
- John Halpin (SAMS) - North Sea 3D – Image analysis for measuring biofouling biomass from industry ROV footage
- Georgios Kazanidis (JNCC) - Highlighting key environmental knowledge gaps in the management of human infrastructure in the marine environment