

Underwater Sound Forum (USF)

18 April 2024

Arrival from 10:00 hrs

Programme: 10:30 – 15:30 hrs

Xi Engineering Consultants

CodeBase / 37a Castle Terrace / Edinburgh EH3 9DZ

Note: *Presenters have 20 minutes total: 15 to present, 5 for Q&A*

<u>Chair</u>	Professor Peter Liss (PL), University of East Anglia
<u>Secretary</u>	Alice Kloker (AK), National Oceanography Centre
10:00-10:30	Arrival and Coffee
10:30-10:40	Welcome and introductory remarks from Hosts and Chair
10:40-11:00	Brett Marmo Xi Engineering Consultants <i>Underwater Sound from Floating Offshore Wind Turbines</i>
11:00-11:20	Dr Wrik Mallik Lecturer in Aerospace Engineering, University of Glasgow <i>Deep neural networks for learning underwater ocean acoustics</i>
11:20-11:30	Comfort Break
11:30-11:50	Dr Ryan Mowat , Directory of Innovation, RS Aqua Dr Ellen White , Post-doctoral Research Assistant, University of Southampton <i>Project MARLIN: Progress update and demonstration</i>
11:50-12:10	Amy Gregory and Charlotte Birch , Seiche Ltd <i>Feasibility of a Decibel Limit for piling operations in English and Welsh Waters: Results</i>
12:10-13:10	Lunch
13:10-13:30	Dr Nieke van Geel , Senior Post-Doctoral Researcher – Marine Mammal Ecology and Acoustics, Scottish Association for Marine Science <i>Impact of high-order UXO detonation on harbour porpoise presence at the ScottishPower Renewables East Anglia ONE offshore windfarm</i>
13:30-13:50	Magnus Janson PhD Student, Edinburgh Napier University <i>Listening to Biodiversity: A Soundscape Analysis of European Flat Oyster Beds</i>
13:50-14:10	Alison Brand , Director/Environmental Specialist/Principal Environmental Modeller at Manta Environmental Ltd Charlie Irons , D'Arcy Thompson Centre <i>The EDGAR model delivered as a SustainaVERSE™ APP</i>
14:10-14:20	Comfort Break

- 14:20-14:40 **Tristan Kleyn**, PhD Student at University of St Andrews
New acoustic classifiers for northeast Atlantic delphinids: an integrative machine learning approach
- 14:40-14:50 **Stephen Robinson**, National Physical Laboratory (NPL)
International Standards & Programmes Update
- 14:50-15:00 **Sonia Mendes**, Joint Nature Conservation Committee (JNCC)
The new UK Marine Noise Registry – inputs and outputs
- 15:00-15:30 Discussion of next meeting, Networking over coffee