

4th ScotMER Symposium Schedule

1st – 3rd December 2020

OVERVIEW AND SESSION CHAIRS

	Tuesday 1 st December	Wednesday 2 nd December	Thursday 3 rd December
Morning	<p>Welcome Ms Roseanna Cunningham, MSP Cabinet Secretary for Environment, Climate Change and Land Reform.</p> <p>Seabirds Session 1 Tom Evans</p> <p>Marine Mammals Ross Culloch</p>	<p>Welcome Janelle Braithwaite</p> <p>Seabirds Session 2 Julie Miller</p> <p>Benthic and Fish Marion Harrald Ross Gardiner</p>	<p>Welcome Jared Wilson</p> <p>Social and Economic Impact Guidance Kay Barclay</p> <p>Ecosystem and Application Erica Knott, Gayle Holland</p> <p>Future Priorities and Conclusion Jared Wilson</p>
Afternoon	<p>Floating Wind Workshop Kirsty Wright</p>	<p>Automated Image Analysis Workshop George Lees</p> <p>Seabird Data Integration Workshop Tom Evans</p>	

Networking sessions explained

Our networking sessions are the place for facilitating connections with others within the symposium, just like you would at an in-person event.

In “Networking”, when you click the “Ready” button, the system searches for someone else who has also clicked the “Ready” button. If someone else is available, the two of you are matched instantly and the video chat begins and lasts for 4 minutes.

In a Networking meeting, the blue Connect button shows up at the top right corner of the screen. The purpose of this button is to give you the ability to quickly and easily exchange contact information, similar to exchanging business cards at a physical event. If both people click Connect, a connection registers. When a connection registers, both people will see the others’ contact info on Connections tab of their Profile.

Once you meet someone in the Networking area of the Symposium, you will not be matched with that person in the Networking area again.

Networking meetings are not recorded or recordable. Screen sharing is not possible in Networking.

In order to begin networking, an attendee must have a camera and microphone connected to their device and allowed in their browser.

Talk sessions

Each session will start with a series of short presentations after which there will be time for questions and discussion facilitated by the chair.

Workshops

There are three workshops sessions in the Symposium on floating wind evidence gaps, automated image analysis, and seabird data integration. These workshop sessions are open to all attendees.



FULL PROGRAMME

We have not noted specific break times, so please take the opportunity for a comfort break between sessions.

Day 1: Tuesday 1st December

- 09:00 – 09:30 **Welcome**
Roseanna Cunningham MSP, Cabinet Secretary for Environment, Climate Change and Land Reform
- Talk - Blue Economy and the Sectoral Marine Plan for Offshore Wind – *Mike Palmer, Deputy Director, Marine Planning & Policy, Marine Scotland*
- 09:45 – 10:50 **Seabirds Session 1**
Chair: Tom Evans
- Topics include:
- Seabird survey design – *Carl Donovan, DMP Statistical Solutions UK*
 - Scottish east coast aerial survey work – *APEM*
 - Seabird data integration – *Jason Matthiopoulos, University of Glasgow*
 - Seabird behaviour at sea – *Aonghais Cook, British Trust for Ornithology*
 - New seabird energetics tags – *Chris McKnight, University of St Andrews*
- 11:00 – 11:40 **Marine Mammals – Part 1**
Chair: Ross Culloch
- Topics include:
- Regional baselines for marine mammal knowledge – *Cormac Booth, SMRU Consulting*
 - Improvements to modelling the population consequences of disturbance for marine mammals – *Rachel Sinclair, SMRU Consulting*
 - Developing marine mammal dynamic energy budget models – *Cormac Booth, SMRU Consulting*
- 11:50 – 12:30 **Marine Mammals – Part 2**
Chair: Ross Culloch
- Topics include:
- Fine scale behaviour of marine mammals around tidal turbines – *Joseph Onoufriou, University of St Andrews*
 - Collision risk modelling – *Nick Horne, Queen's University Belfast*
 - Collision risk: future data needs – *Carol Sparling, Gordon Hastie, Douglas Gillespie, University of St Andrews*
- 12:30 – 13:00 **NETWORKING**
Instructions on how to join networking sessions are included earlier in this programme



14:00 – 15:30 **Floating Wind Workshop**
Chair: Kirsty Wright

- Presentation on outputs from MASTS Floating Offshore Wind workshop from November and discussion on anything missed.
- Discussion on filling ecosystem evidence gaps around key themes:
 1. Prey and predator interactions
 2. No take zones for fishing

Day 2: Wednesday 2nd December

09:00 – 09:05 **Welcome**
Janelle Braithwaite

09:05 – 10:15 **Seabirds Session 2**
Chair: Julie Miller

Topics include:

- Cumulative Effects Framework project – *Francis Daunt, UK Centre for Ecology & Hydrology*
- ORJIP seabird sensitivity mapping tool / apportioning seabirds at sea to appropriate breeding colonies – *Francis Daunt, UK Centre for Ecology & Hydrology*
- Integrated assessment framework for collision and displacement – *Adam Butler, Biomathematics and Statistics Scotland*
- Seabirds and climate change – *Kate Searle, UK Centre for Ecology & Hydrology*

10:30 – 11:10 **Benthic and Fish – Part 1**
Chair: Marion Harrald

Topics include:

- Automated identification of fish and other aquatic life in underwater video – *Jonathan Evans, MarynSol*
- Ocean multi-use at floating offshore wind farms – *Edward Bolger, Edinburgh Napier University*
- Impacts of marine renewable developments on Spurdog – *Bernadette Butfield, University of Edinburgh*
- The Status of *Sabellaria spinulosa* reef in the Moray Firth and off the Scottish east coast – *Marion Harrald, Marine Scotland Science*

11:20 – 12:00 **Benthic and Fish – Part 2**
Chair: Ross Gardiner

Topics include:

- Diadromous fish evidence framework – *Alan Wells, Fisheries Management Scotland*
- State and resilience to impact of Scottish salmon stocks – *Stuart Middlemas, Marine Scotland Science*
- Salmon and sea trout in the Moray Firth and off the Scottish east coast – *Rob Main, Ross Gardiner, Marine Scotland Science*



12:00 – 12:30 **NETWORKING**
Instructions on how to join networking sessions are included earlier in this programme

14:00 – 16:00 **Automated Image Analysis (AIA) Workshop**

Chair: George Lees

In this workshop you will hear about the application of automated image analysis (AIA) for monitoring and research. There will also be discussion focussed around further opportunities for use in a marine renewables context, the challenges involved, and further research and development to facilitate this research.

Presentations include:

- The DOEIMS Project: A potential application of AIA – *Catherine Tait, Aquatera*
- Automated identification of fish and other aquatic life in underwater video: Trialling of approaches to AIA with marine imagery – *Jonathan Evans, MarynSol*
- Video and Image Analytics for Marine Environments: A toolkit for undertaking AIA – *Matt Dawkins, Kitware*
- Project Puffin - The Flying Squad Puffin Image Recognition Project: AIA in practice – *Oliver Abell, SSE*

16:00 – 17:00 **Seabird Data Integration Workshop**

Chair: Tom Evans, Jason Matthiopoulos

In this workshop, Jason Matthiopoulos (University of Glasgow) will present on best practices when combining seabird survey data collected from different platforms and demonstrate a newly developed R-package that is one option for combining data.

Day 3: Thursday 3rd December

09:00 – 09:05 **Welcome**
Jared Wilson

09:05 – 10:45 **Socioeconomic Impacts**
Chair: Kay Barclay

Marine Scotland's analysts, Kathleen Allen and Reme Diaz will present current work on the development of social and economic impact assessment guidance for offshore renewable energy developments.

11:00 – 11:40 **Ecosystem Interactions / Application of ScotMER Research**
Chair: Gayle Holland, Erica Knott

Topics include:

- Outputs from the MASTS/ScotMER ecosystem interaction workshop – *Beth Scott, University of Aberdeen*
- Actions from previous symposiums – *Gayle Holland, Marine Scotland & Erica Knott, NatureScot*
- Application ScotMER research – *Gayle Holland, Marine Scotland & Erica Knott, NatureScot*



11:50 – 12:30 **Future Priorities and Conclusion**

Chair: Jared Wilson

Topics include:

- ScotMER forward look – *Janelle Braithwaite, Marine Scotland*
- Future research priorities with opportunity for audience contribution – *Jared Wilson, Marine Scotland Science*

12:30 – 13:00 **NETWORKING**

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END