

Filling Knowledge Gaps and Identifying Priorities for Blue Carbon

Thursday 7th Nov (1030-1700) in Conference Room 3, Technology & Innovation Centre,
University of Strathclyde, Glasgow

Workshop hosted by Prof William Auston (University of St Andrews) and Prof Hilary Kennedy (Bangor University) on behalf of the UKBCF and the SBCF.

- 1030-1045 Welcome and registration
- 1045-1100 William Austin (University of St Andrews) & Robert Pye (Scottish Government) - A Scottish Blue Carbon Action Plan
- 1100-1145 Keynote from Prof Phil Williamson (University of East Anglia) - Looking a gift horse in the mouth: can we rely on coastal blue carbon for climate mitigation?
- There are not many good-news stories in environmental science, particularly where climate is concerned. The recent awareness of large-scale carbon accumulation and storage by vegetated coastal habitats (primarily saltmarshes, seagrass meadows, and mangroves) is therefore rightly celebrated – in addition to the many other ecosystem services such habitats provide. But can the climate benefits of such processes be quantified with sufficient accuracy and reliability to justify using blue carbon restoration for climate mitigation, claiming carbon offsets? Whilst many anticipate a win-win situation for both biodiversity and climate, there would seem serious risk of ‘greenwashing’ – that could result in a lose-lose outcome.
- 1145-1215 Discussion
- 1215-1300 Lunch and networking.
- During lunch, please visit the eposter from Lauren South (University of St Andrews) - [Seagrass in mid- and northern latitude fjords: A review of presence and extent for blue carbon potential.](#)
- 1300-1315 Hannah Clivard (UKCEH) - Quantifying carbon sequestration in saltmarsh: a road map for tracking contribution to net zero
- 1315-1330 Rizky Eko Muliawan (NOC) - Sediment Accumulation and Carbon Sequestration in Managed Realignment Saltmarshes: Insights from the Ribble Estuary
- 1330-1345 Alex Houston (University of St Andrews) – Old Carbon, New Insights: Thermal Reactivity and Bioavailability of Saltmarsh Soils
- 1345-1400 Hilary Kennedy (Bangor University) – Carbon crediting in eelgrass (*Zostera marina*) meadows
- 1400-1430 Discussion
- 1430-1445 Michael Burrows (SAMS) – Carbon storage and sequestration in UK seas – gaps and uncertainties

- 1445-1500 Ruth Parker (CEFAS) – UK subtidal seabed sedimentary habitats
- 1500-1530 Break
- 1530-1545 Tanya Riley (UHI) - Real world data for real world problems: Importance of appropriate spatial resolution modelling to inform decision makers in marine management.
- 1545-1600 Anton Kuech (University of Aberdeen) – Fate of macroalgal-derived carbon in the marine environment
- 1600-1615 Anna Belcher (UKCEH) - Antarctic Krill – Not just a tasty snack for whales but an important ecosystem for ocean carbon storage
- 1615-1630 John Allen (Ecopia Marine Ltd) - ECOPIA™, an example for a deep ocean mCDR MRV
- 1630-1700 Discussion & Close