

SC-10b: Optimisation of location of broodstock and settlement ground for a source sink enhanced fishery.

North Wales once had a prolific fishery for the European native oyster, *Ostrea edulis*, which succumbed to overexploitation and disease. Before attempting to enhance or reinstate any bivalve fishery, it is fundamental to understand the hydrodynamic regimens and the movement of larval particles within the associated body of water. Currently, only mussels are harvested from natural seed beds using artisanal methods in the Conwy Estuary. Although local fishers have expressed an interest to investigate the feasibility of reinstating the European native oyster to restore the Welsh historical marine habitat.



Impact

We aim to produce particle tracking and habitat suitability models which will assist the Conwy Mussels Company in their proposed native oyster reintroduction initiative. Together with industry, the Shellfish Centre will explore the viability of reinstating the native oyster both for ecological enhancement and to diversify the active fishery.



Project Officer

Dr. David Smyth is the lead researcher for SC-10b

Project Partner

Conwy
Mussels
Company



PRIFYSGOL
BANGOR
UNIVERSITY

The Shellfish Centre is a research and innovation initiative supporting development of the shellfish sector in Wales. The Centre will collaborate with businesses to deliver science to support growth. The main focus of the project is shellfish aquaculture and the related supply chain, with scope also for research to support new/ underexploited shellfisheries and aquaculture of non-shellfish species that are compatible with shellfish production

A Research & Innovation Initiative: Supporting the development of the Shellfish Sector in Wales

www.shellfish.wales / [@shellfishcentre](https://twitter.com/shellfishcentre)

