

## Accelerating Aquaculture Innovation

# Wales

### Main species:

Mussels, Oysters, Seaweed

### Sector Value (2021):

**£0.75 Million\***

Home to one of the largest mussel farms in the UK, the Welsh Government has set an ambitious target of doubling aquaculture production, focussing on innovation and building sector capacity.

Highlighting South Wales's academic capability in marine and climate science, the adoption of emerging technology, fast transitioning and lessons learned from other nations is a key commercial advantage for a country viewed as a 'late mover' in aquaculture. The Welsh workshop focussed on identity and USPs, and what restricts and limits its development. Key challenges identified included: industry positioning; site availability and viability; co-location opportunities; waste minimisation and long-term development of algal toxin testing.

### Innovation opportunity roundup:

- **Carbon and nitrogen sequestration models** for shellfish.
- **Development of shellfish seed production** for native oyster.
- **The role of bacteriophages** might play in reducing pathogenic bacteria issues and use of antibiotics.



# Accelerating the development and advancement of the UK aquaculture industry

## Join CIEL's Open Innovation Groups (OIGs)

Facilitated by CIEL, based on feedback from our four nation's workshops, our OIGs offer a unique opportunity for industry and academia to collaborate and innovate in a safe, precompetitive space.

- Fast-track your research, development and commercial success.
- Join one of our OIGs and let's get talking.
- Together we will find answers: join like-minded stakeholders, discover collaborators, attract investment and drive innovation through our Open Innovation Groups.
- Access world-leading aquaculture research capability and expertise in genetics and genome editing, disease resistance, health and welfare and environmental monitoring with CIEL.

### Contact:

[martin.sutcliffe@cielivestock.co.uk](mailto:martin.sutcliffe@cielivestock.co.uk)  
or [enquiries@cielivestock.co.uk](mailto:enquiries@cielivestock.co.uk)

Scan the QR Code to download the Four Nations 2023 Report Summaries

SCAN ME



CIEL, Innovation Centre, York Science Park  
Heslington, York YO10 5DG

**T:** +44 (0)1904 217 493  
**E:** [enquiries@cielivestock.co.uk](mailto:enquiries@cielivestock.co.uk)  
[www.CIELivestock.co.uk](http://www.CIELivestock.co.uk)

