

## Accelerating Aquaculture Innovation

# Scotland

### Main species:

Salmon, Mussels, Oysters, Trout, Seaweed

### Sector Value (2021):

**£1.1 Billion\***

In 2020, close to 70% of UK economic output from the fishing and aquaculture industry was generated in Scotland. Aquaculture was worth £3.3bn to Scottish economy over the last decade, a contribution that has increased by 76%, from £206 million in 2011 to £362 million in 2020<sup>A</sup>.

Home to the Sustainable Aquaculture Innovation Centre (SAIC) and current leader in UK aquaculture, Scotland's workshop discussions centred around the need for innovation and opportunities in novel feed ingredients, bivalve shellfish, environmental pressures and finfish disease diagnostics and control. Key challenges included reframing the sector 'story' particularly around pollutants; the impact of climate change on ecosystems; data; disease testing; diagnostics and sustainable sources of Omega 3 oils for feed.

### Innovation opportunity roundup:

- **Environmental research** on pressures and cycles of bivalve shellfish.
- **Development of novel feed** ingredients for finfish.
- **Seaweed aquaculture** routes to market and circular bioeconomy.
- **On-site testing for marine algal biotoxins.**
- **Addressing Bonamia introduction** in native oyster broodstock.

# 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.

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

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