

## Accelerating Aquaculture Innovation

# England

### Main species:

Trout, Mussels, Oysters, Seaweed

### Sector Value (2021):

**£41.5 million\***

The English Aquaculture Strategy ([Seafood 2040](#)), sets out a delivery plan for the sustainable development of English aquaculture, supporting a ten-fold increase in production to approximately 90,000 tonnes by 2040<sup>A</sup>.

With a recent decline in consumer demand and optics as an 'expensive protein', the focus of England's workshop was current species status, promotion, the impact of Brexit, regulatory, licencing and planning issues. The group also discussed England's marine water quality issues and how to best take advantage of emerging monitoring technology. Key challenges include alternative markets; allergen status of seaweed; sustainability messaging; waste valorisation; disease and epigenetics.

### Innovation opportunity roundup:

- **Restoration of mussel stocks and bioremediation.**
- **RAS efficiency and optimisation.**
- **AI and wireless technology** innovation.
- **Co-location offshore renewable project submersible systems** and supply chains.
- **Seaweed aquaculture:** hatchery, farming, processing, supply and market development.
- **Addressing microbial risk to oysters,** including emergent *Vibrio* species bacteria.

<sup>A</sup>[www.seafish.org/about-us/news-blogs/english-aquaculture-strategy-sets-out-plan-for-sustainable-growth/](http://www.seafish.org/about-us/news-blogs/english-aquaculture-strategy-sets-out-plan-for-sustainable-growth/)

# 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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