

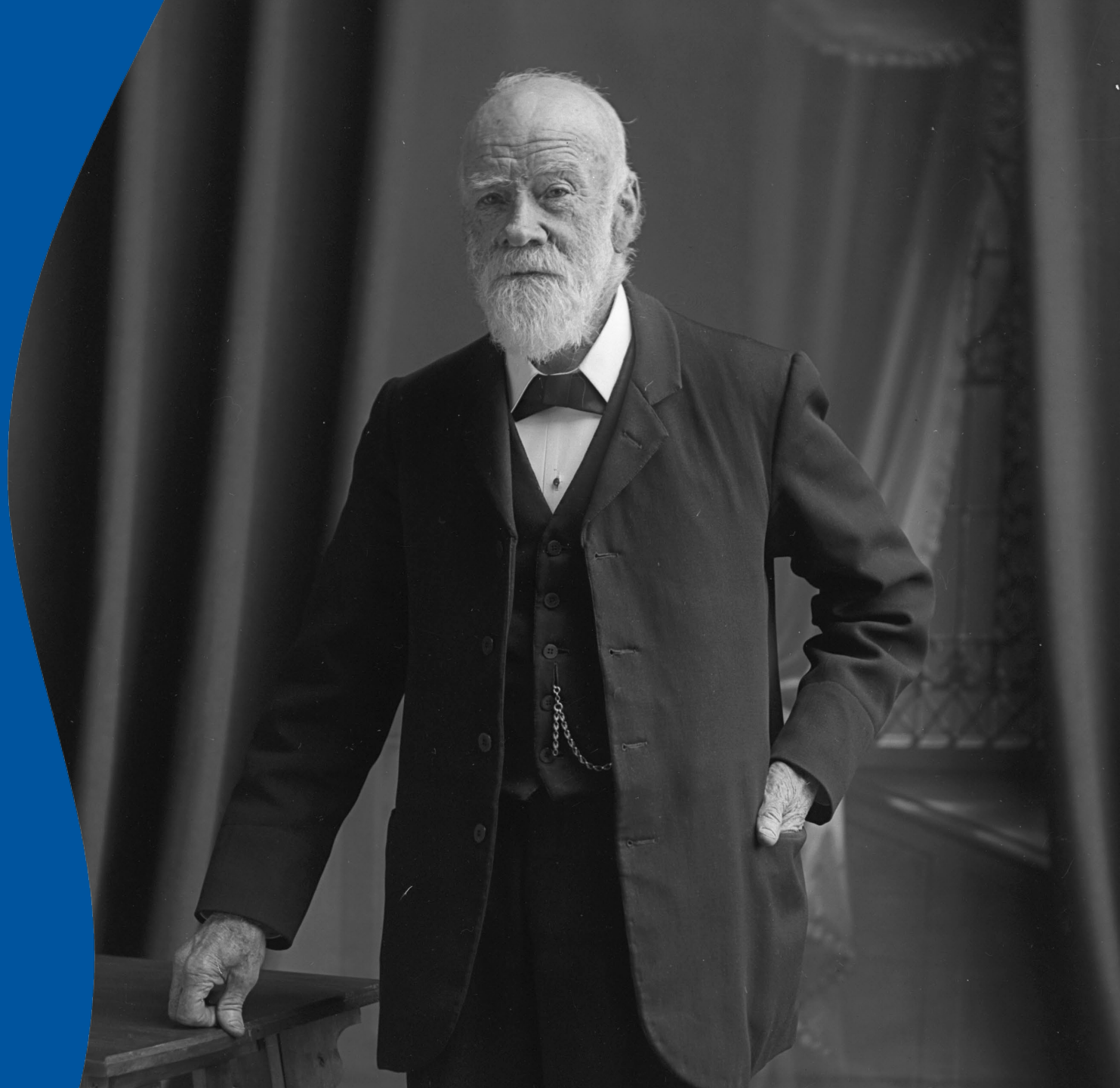
A diver in a black wetsuit and blue mask is swimming horizontally in clear blue water. Below the diver is a massive, dense school of small, silvery fish that fills the lower two-thirds of the frame. The diver is positioned in the upper left quadrant, reaching forward with their right hand. The water is a vibrant blue, and the lighting is bright, creating a sense of depth and clarity.

100

YEARS OF
CAWTHRON
1921-2021

**“That science
could contribute
to the growth
of a young
New Zealand”.**

- Thomas Cawthron's vision





**Impact through
world-class science,
mātauranga and
leadership.**



From the mountains to the sea. Science as a solution.



Global Challenges

Climate change

Biodiversity loss

Unsustainable food
systems

Our Purpose

World-class science
and mātauranga Māori
for a better future

Ambitious Outcomes

Healthy ecosystems

A prosperous blue economy

Thriving people and
communities



Mission-driven science.



Supporting resilient communities within the Pacific



Turning the tide on climate change



Rejuvenating and enhancing aquatic environments



Realising the potential of algae



Securing safe and sustainable food for the future

Focus on high value

- Aotearoa's point of difference – greenshell mussels
- Endless opportunities: Neosaxitoxin from microalgae



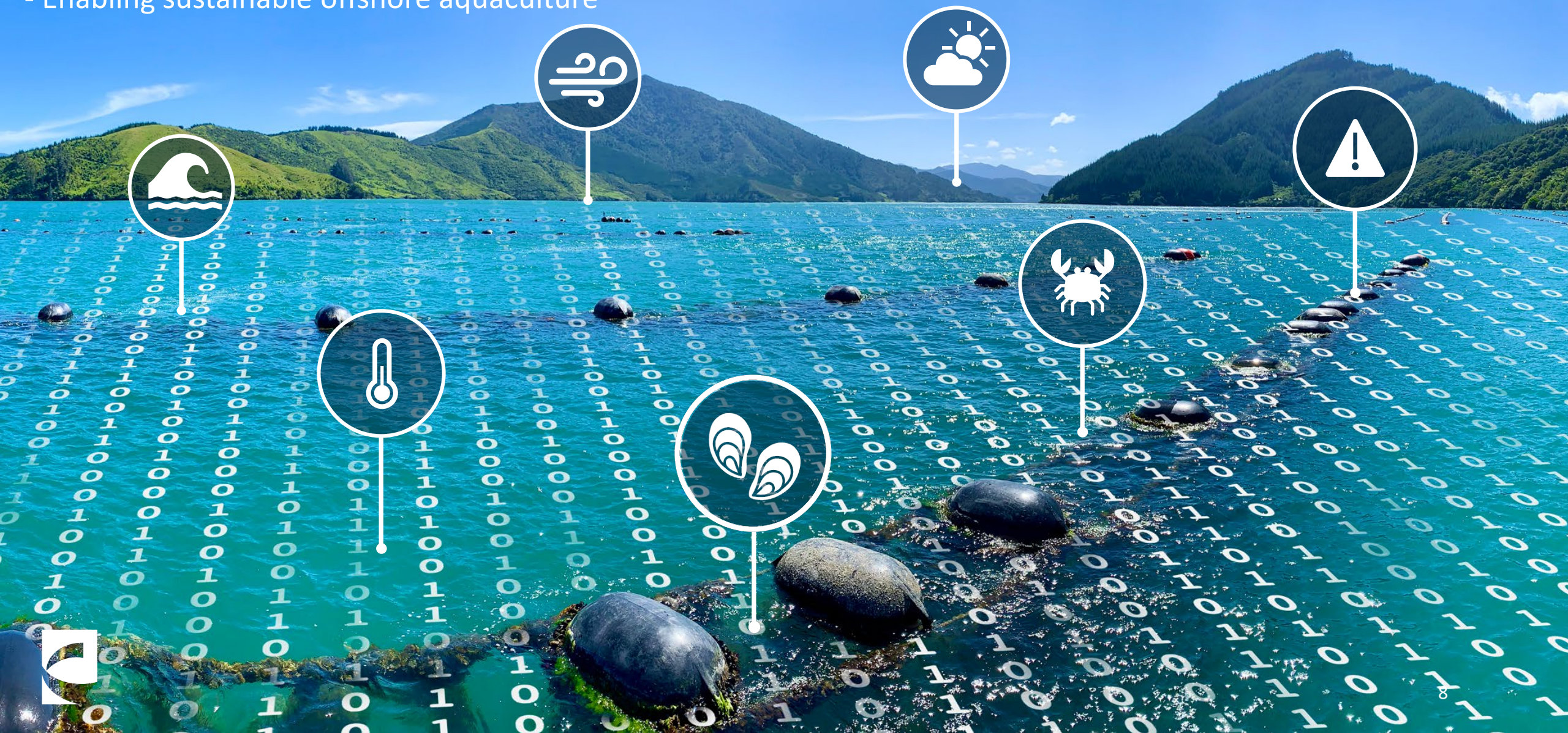


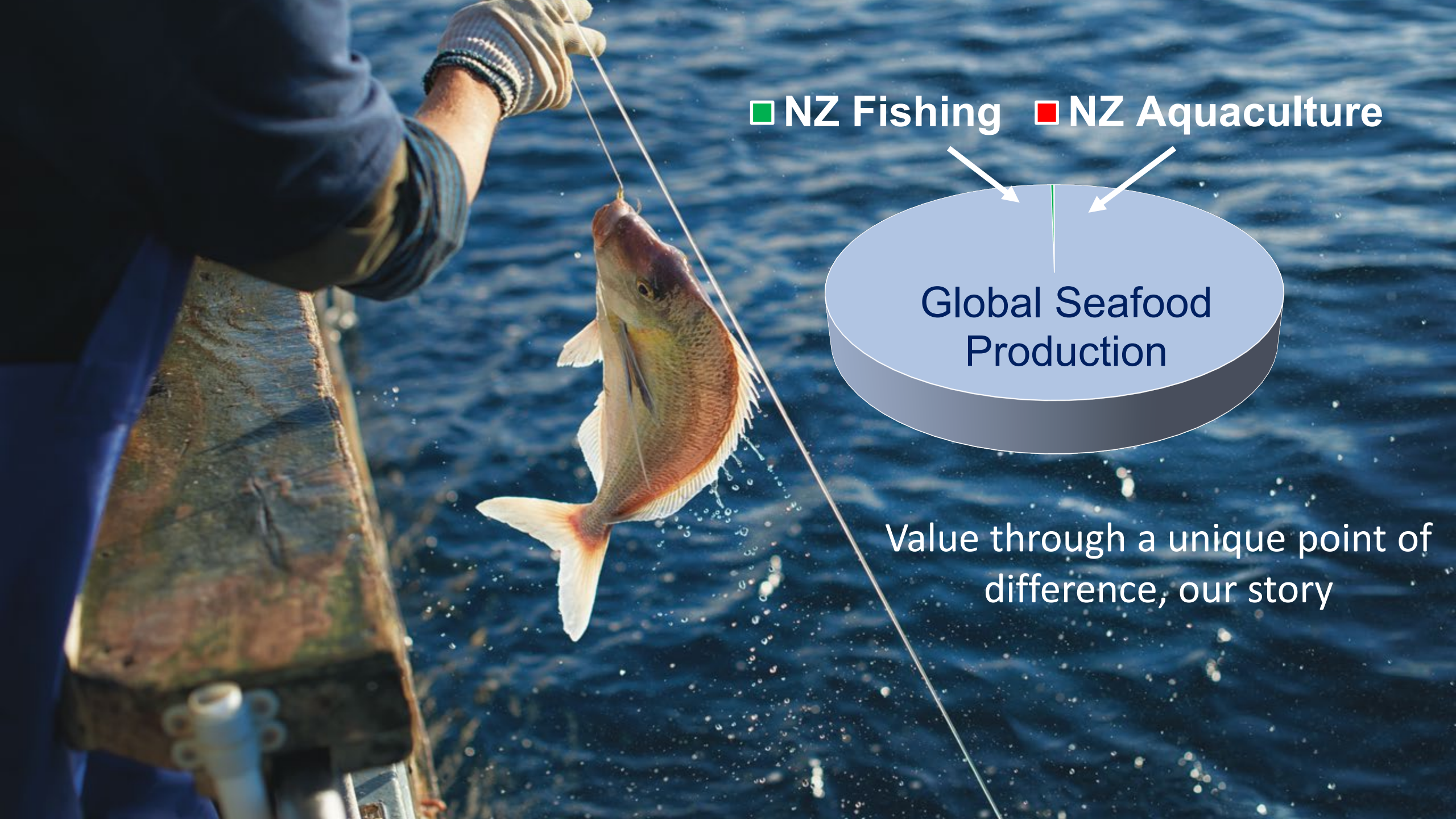
Focus on high value

- 1000+ species of seaweed around Aotearoa
- don't commoditise, seek unique benefits (alternative proteins, nutraceuticals, pharmaceuticals)

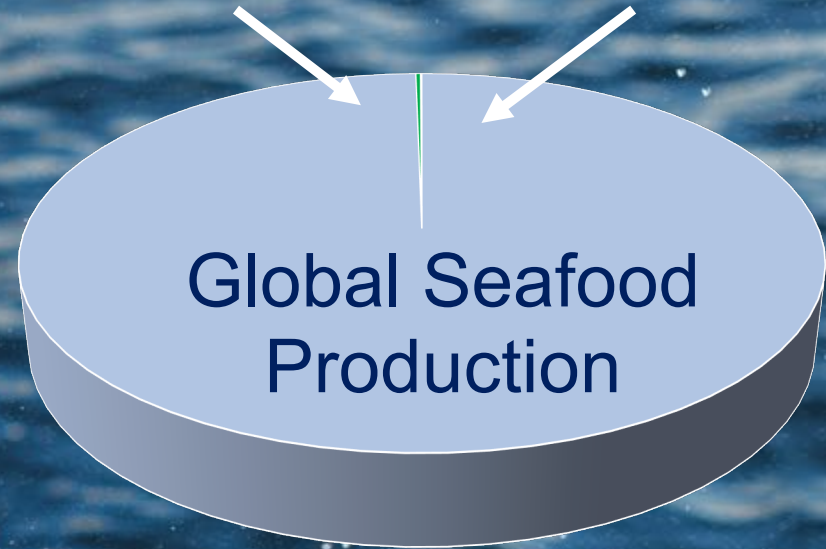
Data Science, Blue Technology

- Understanding offshore dynamics
- Enabling sustainable offshore aquaculture





■ NZ Fishing ■ NZ Aquaculture



Value through a unique point of
difference, our story

“Seafood holds promise for helping meet nutritional needs at a low climate impact”.

Bianchi, M., Hallström, E., Parker, R.W.R. *et al.* Assessing seafood nutritional diversity together with climate impacts informs more comprehensive dietary advice. *Commun Earth Environ* 3, 188 (2022). <https://doi.org/10.1038/s43247-022-00516-4>

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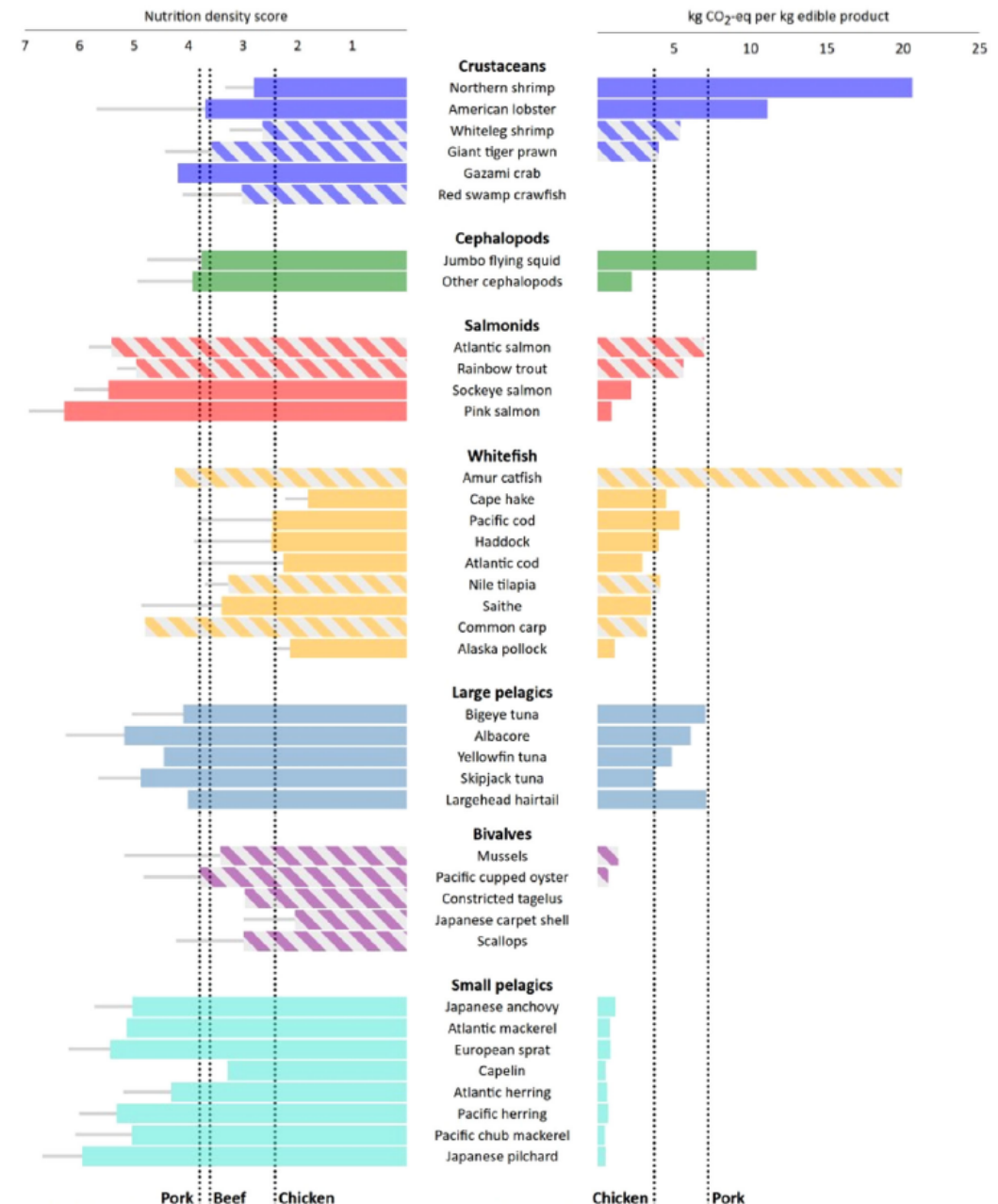


Fig. 2 Nutrient density and greenhouse gas emissions of globally important seafoods. Nutrient density scores are based on the 21 nutrients common to all species (full bars) and, where possible, 23 nutrients (grey lines) (for nutrients see Methods). GHG emissions of individual seafood species are representative of the dominant production method for each (or weighted if multiple major production method is employed globally). Solid bars indicate species from fisheries, and striped bars species from aquaculture. Comparisons to land-based animal proteins are based on nutritional content of averaged meat cuts for beef and pork, and fillets for chicken. GHG emissions of beef are beyond the scale at 56 kg CO₂e per kg edible product.



**Someday
I will tell
my grandson
the story**
of how Icelandic fish skin
saved my life

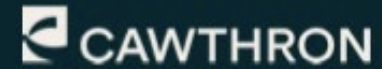
moananui

Big Ocean

Big Opportunity

Big Responsibility

Foundation Partners



This is our pledge to developing
a thriving blue economy.

We commit to fostering collaboration. To harmonise economic prosperity with environmental stewardship. To embrace innovative solutions and turn ideas into reality. To harness the power of technology, research, and entrepreneurship. To regenerate and tread lightly on the land and sea. To care for coastal communities, respecting their diverse cultural heritage and traditional knowledge. To create opportunities for sustainable livelihoods, equitable partnerships, and inclusive development. To do what we say and be accountable for our actions. To be good ancestors.

*Together, we pledge to be catalysts of positive change,
inspiring others to join our voyage.*





A shared vision for our future



MINDSET SHIFT



SCIENCE AND
INNOVATION



KI UTA KI TAI



GLOBAL
CONNECTIVITY



COLLABORATIVE
MODELS



**Mau tonu te au
kakara i te moana.**

So that the sweet
scent of the ocean
remains.



The Cawthron Whakatauki
coined by Cawthron scientist
Te Rerekohu Tuterangiwhiu

