# Reducing our reliance on marine resources

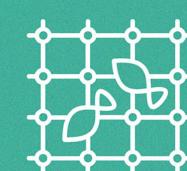
THE CONTEXT

Over 3 billion people consume seafood as at least 20% of their daily protein intake



By 2030 the demand for seafood estimated to rise by ~30 million tons

33% of ocean fisheries are overfished



> BUT

Aquaculture also relies on wild caught fish for fish feed as a source of:



Omega 3 EPA & DHA, derived from fish oil



Protein

#### **OUR AMBITION**

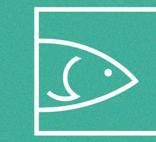
Reduce our reliance on finite marine resources for fish feed, by developing alternative sources of:

# Omega 3 EPA and DHA and protein raw materials

to meet the demand

#### **OUR SOLUTIONS**





#### **Veramaris**®



Cultivates natural marine algae, in a large-scale, land-based, waste-free production





Produces algal oil with 2X omega-3 EPA and DHA as fish oil





1 ton Veramaris® algal oil **=** 60 tons of wild catch





reduced reliance on fish oil

### **Feed Enzymes**



Improves digestibility + increases nutritional value of plant-based feed raw materials





Enhances fish growth in low and zero fish meal diets





Lower levels of fish meal needed in fish diets





Greater flexibility in feed formulations + reduced reliance on fish meal

## THE RESULT

Ground-breaking solutions that help aquaculture grow sustainably and produce healthy, nutritious seafood

If not us, who? If not now, when?
WE MAKE IT POSSIBLE

Reducing our reliance on our finite marine resources

Find out how DSM can help transform animal nutrition and health sustainably at www.dsm.com/wemakeitpossible

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