



# Portfolio of Outputs and Commercialisation Needs

## BIOZOOSTAIN

Sustainable utilization of marine bioresources to produce high quality food-first products and develop prediction tools for the best targeting of catching hot-spots

<https://healthsciences.hi.is/biozoostain>



Project consortium includes 2 enterprises:



## Outputs

### Updated Industrial Processes



TRL 6

Industrial processes updated to allow the collection and processing of zooplankton as a side-stream from pelagic fishing.

### Product Prototypes



TRL 4

Prototypes developed based on cold extracted oil from *Calanus finmarchicus*, optimised for safety and beneficial lipid profiles.

### Prediction Tools for Identification of Hot-spots



TRL 4

Catch data matched with optimal zooplankton raw material characteristics to identify geographical and seasonal catching hotspots for Atlantic mackerel.

### Spectroscopic Prediction Tools



TRL 4

Fast, non-destructive spectroscopic methods applied to assess quality of processing streams and prototypes.

## Commercialisation Needs

Detailed analysis of raw materials

Testing of updated industrial processes

Analysis of potential health effects of prototypes

Life Cycle Assessments of original and updated processes

Validation of prediction models