



Marine Innovation using Novel Enzymes for waste Reduction and Valorisation of Algal biomass

<https://minerva-bluebio.weebly.com>



Portfolio of Outputs and Commercialisation Needs



Project consortium includes 2 SMEs:



Outputs

Antifouling substances



TRL 2

Biologically inspired antifouling substances that may offer novel alternatives to currently used materials and coatings in aquaculture.

Food Ingredients



TRL 2-4

New food fibres and flavour ingredients that address key market drivers and growing demand for sustainable, healthy food.

Facial serum



TRL 3

Facial serum product with *Ascophyllum nodosum* extract.

Biomedical Applications



TRL 3-4

Marine derived actives and polymers that may offer new solutions for drug development and tissue engineering.

Skincare Product



TRL 7-8

Facial skincare product with *Ascophyllum nodosum* extract.

Commercialisation Needs

Continued bioactivity screening & characterisation

Food applications trials & sensory analysis

Cost analysis, Life Cycle Assessment & Social-LCA

Targeted market needs analysis

Scale up of extraction processes and production

Scope any regulatory constraints