

TACO ALGAE



Portfolio of Outputs and Commercialisation Needs

Total value chain optimisation of harvested *Furcellaria lumbricalis* and cultivated *Schizymenia valentinae*

<https://nofima.com/projects/dye-from-red-algae/>



Project consortium includes 2 SMEs:



Outputs

Algal Harvesting



Furcellaria lumbricalis harvesting methodology.

Algal Cultivation



Schizymenia valentinae cultivation methodology.

Biorefinery



A complete Life Cycle Analysis for environmental, economic & social sustainability.

R-phycoerythrin & Biostimulants



Production of R-phycoerythrin and biostimulants from harvested and cultivated seaweeds.



Life Cycle Sustainability

Validation of value chain using Life Cycle Sustainability approach.

Commercialisation Needs

Upscaling phycoerythrine production & purification

Evaluation and validation of food prototypes

Validation of pilot scale processing of seaweed

Minimise growth of diatoms in land based cultivation tanks

Validation of biostimulants in the field

