



Marine biological resources

RIVAGE

ANTI-AGEING ACTIVE INGREDIENTS DERIVED FROM MARINE ALGAE FOR USE IN COSMETICS

The aim of the RIV_AGE project is to develop new marine active ingredients with anti-ageing, antioxidant, hydrating, detoxifying, photoprotective and antimicrobial properties of interest to the cosmetics and thalassotherapy markets. Such marine active ingredients are produced from marine algae with the potential to furnish stem cells - spores, gametes and/or zygotes - on an industrial scale.

The project will therefore be interested in two categories of algae:

- Those which are naturally abundant and which can be harvested without posing any threat,
- Those already being farmed and whose biomass is controlled and obtained using sustainable methods of cultivation.

The project will also enable sustainable processing methods - closed-circuit, low-temperature drying and cold and dry microbial decontamination in particular - to be applied to new species.

Research carried out in the course of the project to identify marine active ingredients will deal with marine plant ecology, biotechnology and also with developing environmentally sound extraction/purification processes and standardising antioxidant and antimicrobial biotests.

The RIV_AGE project is also keen to:

- Implement advanced analytical control of the resource to the formulated product stage;
- Certify the active ingredient content of the products developed;
- Open up these ingredients to the international market.

Partners

Companies

SIMER, Laboratoire Science et Mer, Le Relecq-Kerhuon [\[Project Developer\]](#)
C-Weed Aquaculture, Saint-Malo
CHIMEX, Thillay

Research centers

Université de Bretagne Occidentale, LEMAR- IUEM-UBO, Brest
Université de Nantes, Laboratoire de Pharmacie industrielle et de Cosmétologie, Nantes

Funder

FEDER, Fonds Unique Interministériel, Conseil régional de Bretagne, Conseil départemental du Finistère, Brest métropole, Saint-Malo Agglomération

Labelisation

20/09/2013

Overall budget

3 175 K€