



ULVANS

EXPLOITATION OF GREEN ALGAE FOR ANIMAL NUTRITION AND HEALTH

The ULVANS project led to the exploitation of marine-harvested green algae by perfecting specific collection, conservation and processing methods with the aim of offering animal and plant nutrition and health solutions based on exploitation of the biomass as a whole.

Several methods were deployed for the comprehensive exploitation of green algae: tools were devised for harvesting the algae at sea to ensure a supply of good quality algae, optimal conditions were developed for the conservation of the algae and, lastly, a cracking/refining process was implemented for the sequential extraction of molecules of integral value to the end products.

Spin offs and future developments

The project led to the development of the first macroalgal bio-refinery in Brittany and, more generally, elsewhere in France and Europe.

- 75 jobs were created in R&D, production and marketing, leading to the creation of numerous indirect jobs (harvesting, analyses, etc.).
- 6 patents have been registered.
- 7 scientific publications were produced and over 100 papers were presented at symposiums/exhibitions in France and internationally.

Partners

Companies

Olmix (et ses filiales Amadéite et Melspring), Bréhan [\[Project Developer\]](#)
Agrival, Saint-Pol-de-Léon
PRP Technologies, Bréhan

Research centers

CNRS/Université de Haute Alsace (UHA),
IS2M Institut de Science des Matériaux,
Mulhouse
UBS, Laboratoire de Biotechnologie et
Chimie Marines (LBCM), Vannes

Funder

- Bpifrance

Labelisation

08/07/2011

Overall budget

23 257 K€