Marine biological resources

POLYSALGUE

IMPROVING OUR UNDERSTANDING OF THE FOOD AND HEALTH POTENTIAL OF POLYSACCHARIDES DERIVED FROM MICROALGAE

The diversity of marine environment microalgae is a key issue for fundamental research and for developing the commercial potential of new sources of exopolysaccharides. Little research on these has been done until now compared with those derived from bacterial strains, fungi, terrestrial plants and macroalgae.

POLYSALGUE is an interdisciplinary research project which will explore the production potential of uniquely structured soluble polysaccharides produced by microalgae in both sea and freshwater environments. The project is designed to improve understanding of the potential of these microalgae for the industrial development of hydrocolloids (texturing agents present in the majority of widely consumed products) and biological active agents.

The POLYSALGUE project is also recognised by the cluster Pôle Valorial.

Partners

COM_PROJECTS_CATEGORIE_PARTNER_ENTREPRISES

AlgoSource Technologies, Saint-Nazaire

Research centers

Institut Pascal - UMR 6602, Université Clermont Auvergne, Clermont-Ferrand [Project Developer]
CNRS-UPMC, UMR 7139, Station biologique de Roscoff
Laboratoire de Génie des Procédés - Environnement - Agroalimentaire (GEPEA), Université de Nantes, Saint-Nazaire
Laboratoire Littoral Environnement et Sociétés (LIENSs), Université de La Rochelle, La Rochelle
Laboratoire Polymères biopolymères Surface UMR CNRS 6270, Université de Rouen, Rouen

Funders

- Agence Nationale de la Recherche
- Appel à projets générique 2015 : Ecosystèmes productifs, systèmes agro-alimentaires et biotechnologies

Labelisation

30/10/2015

Overall budget

2 828 K€