Marine biological resources

IRIS

MARINE PLANT SOURCED BIOSTIMULANTS FOR VINE AND WHEAT HEALTH

Much is at stake in protecting plants against disease in order to optimise agricultural produce yields and quality. The use of pesticides does, however, remain seriously problematic for the environment and public health.

The IRIS project involves developing new solutions which focus more on vine and wheat health based on the use of biostimulants and pioneering technology for imaging and agricultural equipment.

The project is innovative on three key levels:

- Developing new algal-based biostimulants combined with Plant Defence Stimulators (PDS) to optimise the physiology of plants and their receptiveness to PDS
- Devising a new system for targeted, controlled spraying
- Establishing physiology diagnostic imaging tools, deployed in a controlled manner and enabling regular evaluation of the symptoms of disease.

The IRIS project will focus on two strategic sectors of French agriculture: wine and wheat growing.

Partners

Companies

Laboratoire Goëmar, Saint-Malo [Project Developer]
Artemis, Dijon
Global Sensing Technology, Dijon
Tecnoma, Epernay

Other partners

Bureau Interprofessionnel des Vins de Bourgogne (BIVB), Beaune
Laboratoire Biotechnologie et Gestion des Agents Pathogènes en Agriculture, Lille
Ulco, Calais
UMR Agroécologie
Urca, Reims

Funder

- Fonds Unique Interministériel

Labelisation

25/04/2014

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2 577 K€