



Environmental and coastal planning and development

BIOCOAST

SURVEILLANCE OF COASTAL NATURAL ENVIRONMENTS

The BIOCOAST project is aimed at generating a commercial mapping service of coastal, terrestrial and intertidal habitats using satellite imaging. The project is based on exploiting semi-automated High- and very High-Resolution satellite images from Pleiades and Sentinel-2, using advanced image processing techniques.

The project's innovation lies in implementing encouraging new technology to process high volumes of data and to exploit deep learning, currently deployed in big data applications, in order to produce inventories of flora.

A baseline needs to be established and the variability of intertidal and coastal wet zones characterised in order to draw up and implement management plans for designated sites (Natura 2000, etc.) and the Habitat Directive.

Partners

COM_PROJECTS_CATEGORIE_PARTNER_ENTREPRISES

i-Sea, Mérignac [Project Developer]

Other partners

Laboratoire Biogeco, UMR INRA, Université de Bordeaux
Laboratoire IMS, UMR Bordeaux Science Agro, Université de Bordeaux
Société JOLIBRAIN, Toulouse

Funder

Bpifrance

Labelisation

21/10/2016

Overall budget

200 K€