Environmental and coastal planning and development

RICOCHET

MULTI-RISK ASSESSMENT OF COASTAL AREAS IN A CONTEXT OF GLOBAL CHANGE

Coastal habitats are complex, fragile environments that are sensitive to environmental change. They demand a multidisciplinary approach for a more effective response to the scientific (understanding processes and risks) and societal issues (sustainable management) involved.

The RICOCHET project has three main objectives:
- To understand the current dynamics of land/sea as a whole (beach/cliff/hinterland) with an estimate of sediment exchange along the coast.
- To take account of the impact of global warming (increase in storm frequency and rising sea level) on the cliff/beach system.
- To help decision-makers acquire appropriate tools for sustainable coastal management.

To do this, 3 areas along the Normandy coast that are particularly concerned with coastal risks and global change will be tested: from Houlgate to Honfleur in Calvados, from Quiberville to Puys in Seine Maritime and from Criel to Ault between Seine Maritime and Somme.

Partners

COM_PROJECTS_CATEGORIE_PARTNER_ENTREPRISES

Azur Drones Entreprise, Paris

Research centers

Université de Caen Normandie, UMR 6554, Littoral, Environnement, Géomatique, Télédétection (LETG), Caen [Project Developer]
BRGM, Direction Risques et Prévention, Orléans
Institut Régional du Développement Durable (IRD2), Caen
Université de Bretagne Occidentale, UMR 6538, Laboratoire Domaines Océaniques (LDO), Brest
Université de Bretagne Occidentale, UMR 6554, LETG-Brest Geomer, Brest
Université de Rouen Normandie, UMR 6143, Morphodynamique Continentale et Côtière (M2C), Mont-Saint-Aignan

Funder

Agence Nationale de la Recherche

Labelisation

20/05/2016

Overall budget

634 K€