



PROGRAMME

“EARTH OBSERVATION FOR
COASTAL EROSION” SEMINAR

14 JANUARY 2020

BORDEAUX - CAP SCIENCES



i-Sea

DEROULE DE LA JOURNEE

- 9h00 : welcome coffee
- 9h30 : Introduction
 - **The ESA Coastal Erosion project** (*Aurélie Dehouck, I-Sea / Olivier Arino, ESA*)
 - **The Nouvelle-Aquitaine Region / CNES partnership for fostering space downstream applications**
(*Frédéric Laurent, Région Nouvelle-Aquitaine / Didier Lapierre, CNES*)
- 9h45 : Current practices for coastal erosion and shoreline monitoring
 - **The french shoreline management plan** (*Sabine Moraud, MTES Bureau ELM2*)
 - **The French network of shoreline observatories** (*Stéphane Costa, Univ. Caen*)
 - **Examples in Normandy Hauts de France** (*Julie Pagny, Réseau d'Observation du Littoral de Normandie et des Hauts-de-France*) and **Provence Alpes Côte d'Azur regions** (*Hervé Levite, DREAL PACA*)
 - **Coastal cities at the heart of coastal erosion management**
(*Caroline Lummert, Communauté d'Agglomération du Pays Basque*)
 - **Enlarging views : some case studies in Portugal** (*Celso Pinto, Agencia Portuguesa do Ambiente*), **Greece** (*Eastern Macedonia and Thrace Civil Protection*) and **Romania** (*Florin Tatui, Univ. Bucharest, Sfantu Gheorghe Marine and Fluvial Research Station*)
 - **Discussions**



• 11h30 : Earth Observation data in coastal observation activities : feedbacks from some pioneer end users

- **Back on the use of Formosat-2 and Pléiades satellite data for coastal erosion assessment along sandy coastlines, case study in Nouvelle-Aquitaine**

(Alexandre Nicolae Lerma, BRGM / Observatoire de la Côte Aquitaine)

- **15 years of shoreline monitoring in French Guyana by using satellite data**

(Antoine Gardel, CNRS Guyane)

- **Shoreline monitoring for public authorities** *(Arnaud Ceyte, CEREMA)*

- **Nearshore bathymetry monitoring in Nouvelle-Aquitaine and Languedoc-Roussillon**

(Olivier Regniers, i-Sea)

- **First experiments of using Earth Observation along coastal cliffs : feedbacks from basque county and Normandy** *(Sylvain Capo, Telespazio, and Pauline Letortu, Université de Bretagne Occidentale)*

- **Discussions**

• 13h00 : lunch on-site at Café des sciences

• 14h30 : The ESA Coastal Erosion project : light on some prototyped products; what use for operational management ?

15h00 : Round-table “towards large-scale deployment of Earth Observation products : benefits, limitations and opportunities”

The french Satellite Application Plan : its ambition towards coastal issues

(CEREMA)

Satellite remote sensing, providing new tools for the implementation of public policies *(Thomas Popovic, DIRM Nord Atlantique Manche Ouest)*

The ESA Coastal Erosion project : as a booster ! *(Olivier Arino ESA, Virginie Lafon i-Sea)*

with the contribution of Cyril Mallet (BRGM / OCA), Stéphane Costa (Univ. Caen) and François Sabatier (Univ. Aix-Marseille)

- **Discussions**

• 16h30 : closing word



Organisation board :



*supported by the European Space Agency, the french Space Agency,
the Nouvelle-Aquitaine Region, GIP Littoral Aquitain and Observatoire de la Côte Aquitaine*



*The seminar is an opening event of the ESA Coastal Erosion project meeting
on January 15, 2020 in presence of the European Space Agency
and the "Space for Shore" european partners.*

