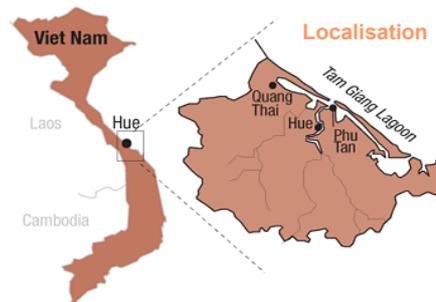


STABIPLAGE® steps in one of the biggest lagoons of South East Asia (VIETNAM)

Last summer 2007, ESPACE PUR Company has just completed important works to protect and to reinforce part of a lido of Tam Giang Lagoon (80 km long) located at the level of Thua Tien Hue Province, in the centre of Vietnam.



This zone is particularly exposed to monsoon strong waves (from NE sector), being the main cause for water sediment transit moves occurring all along the coast and causing themselves a deficit in sediment. This weakens the lido and threatens its length of life. On Phu Thuan sector, more specifically, the sea gains ground, eroding the lido and destroying surrounding dwellings. At this level of the issue, the backward move of the coastline has been estimated at about 30 m/year between 1999 and 2001. In such conditions, small bre-

ches have already appeared, bringing in important economical and ecological damages that affect local inhabitants, fishing activities as well as the ecosystem of the lagoon (see the photo below).



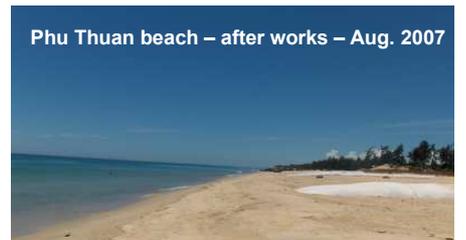
Erosion of Phu Thuan Beach - October 06

The building work phase – the Province being both the customer and the project manager – comes to bring the final solution to the study realized by ESPACE PUR Company. The goal is to strengthen the lido against the risk of breaches and to raise higher the profile of the beach in order to fight against submersions. That way were set up 6 perpendicular STABIPLAGE® structures, perpendicular to the coastline – acting as grabbing and stabilizing the sediments. The structures measure 50m long: 4 of them are 1.5 m high (above the ground; see the first following photo on top right) and the remaining 2, equipped with anchorage, are 0.8m high (above the ground).



STABIPLAGE® of 1.5m height – August 2007

The aim of such structures is to grab and to stabilize sediments from along-shore transit to nourish and to consolidate the beach profile, which is to say to increase its surface and to raise higher its level. By only a few weeks, structures began to play their role by catching sediments and they already let a positive impact appear (photo below).



Phu Thuan beach – after works – Aug. 2007

The site is followed up by the Province Administration, which has laid on entrance restrictions to raise public awareness and to grant a vegetation renewal, itself contributing to the rehabilitation of the site.

ECOPLAYAS Exhibition at Cadiz: STABIPLAGE® brings out its Spanish pilot project



ECOPLAYAS 07:
Jordi SERRA - Barcelona Univ.
Fabrice CAROL - Espace Pur Cy

For the fourth following year, ESPACE PUR presented its soft STABIPLAGE® technology during the ECOPLAYAS Exhibition organised, this time, at Cadiz on 3,4 and 5 October 2007. Fabrice CAROL - in charge of studies at ESPACE PUR - showed the various applications of the technique, some ground realisations as well as a French scientific follow-up under the leadership of the Western Britain University of Brest (follow-up headed by Serge SUANEZ). A fourth part of this display provided the opportunity to Mr Jordi SERRA – researcher at Barcelona University / Dpt of Marine Geosciences and in charge, for Spain, of the European program EUROSION) to relate a collaboration with

ESPACE PUR that should allow to launch soon a Spanish pilot project. We take advantage of this paper to be warmly grateful to the persons who have attended this conference as well as the organisers of this event: ATEGRUS and its President, Dr Julian URIARTE .

Did you know it?

All our references as well as STABIPLAGE® newsletters are available on mere request or on www.stabiplage.com.

ESPACE PUR Company exists since 1997 and develops STABIPLAGE® technology. Our fields are: coasts, rivers, deserts, lakes, estuaries. ESPACE PUR is composed of a team of specialists in sedimentology and engineering, in designing, manufacturing and laying geocomposite works in order to bring a tailor-made solution and a follow-up of impacts. **We propose tailor made projects:** to handle sediment stocks, to soften waves moves, to protect and to upgrade natural zones, to protect and to re-create banks or dunes while respecting the users of the site.