

## Project

# SPATIAL AND TEMPORAL COMPOSITION AND STRUCTURE OF SUPRABENTHONIC COMMUNITIES OF CRUSTACEANS AROUND THE BEACHES OF THE BALEARIC ISLANDS

I+D+i  
GIZC  
GESTIÓ INTEGRADA  
DE LA ZONA COSTANERA

Axis

Bloc 1.1

Thematic area

Disciplinary research

Environment

Biodiversity and global change



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## Summary

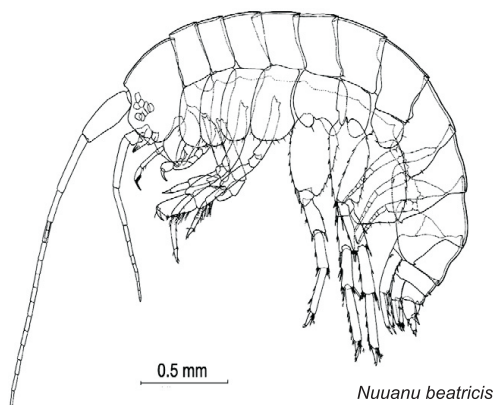
Public administrations with powers in coastal management are trying to solve the problem of regression of beaches with successive regenerations, acts that provoke social protest in the Balearic Islands. The studies of environmental impact that tend to accompany these activities are very vague regarding the effect of moving vast quantities of sand on animal communities and the functioning of the ecosystem of beaches, limiting themselves generally to recommending that communities of the spermatophyte marine plant *Posidonia oceanica* during the process of regeneration without taking into account other biological and ecological factors. Supra-benthonic crustaceans (isopods, amphipods, mysidacea, cumacea, copepods, calanoida, etc.) constitute the preponderant populations in sandy beaches.

This project aims to approach a description of the fauna and ecology of two non-regenerated beaches in the Balearic Islands (Es Trenc and Sa Canova) over one year based on the communities of these organisms.

## Actions

-Provide a baseline with which to assess the ecological impact of past and future regenerations, optimising the correct management of the islands' sandy coastline.

-Contribute to the description and elaboration of the inventory of Balearic marine life, within the obligations of the European Union as a signatory of the Convention on Biological Diversity.



Sa Canova



Es Trenc

## Applications

### Research

Current knowledge of animal communities populating the beaches of the Balearic Islands is very limited. This project will respond to the need to acquire knowledge based on the biota of our beaches, so that this knowledge can be used in the management and impact assessment of regeneration activities.

### Administration

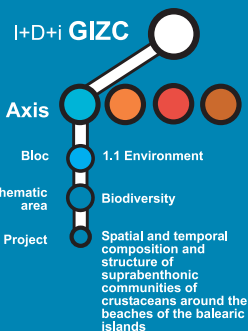
With this project we aim to rectify the lack of knowledge on animal communities an, in this way, contribute the scientific knowledge necessary for a better management of these unique areas of the Balearic coast.

## Contact

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