

The systems of dunes are a limited, dynamic and really sensitive ecosystem that maintain a diversity of habitats, on which survive specific flora and fauna species of big ecologic value. This species are well adapted to this in hospitable environment with a very hard survival conditions. The proper working of the dynamic of dunes is able to maintain the structure in different bands of vegetation, and all this functions provide a remarkable environmental quality.



## TRENGANDIN BEACH

### DUNE REVEGETATION

The plants for the plantation, at least 166.000 units, (counting both beaches), had been provided by the Sand bank Garden Centre of Plants in Loreda belonging to the Direction General de Sostenibilidad de la Costa y del Mar del Ministerio de Agricultura, Alimentación y Medio Ambiente (an organism of Agriculture, Nourishing and Environment), being the species and quantities those:

- \* Barrón (*Ammophila arenaria*): 100.000 units
- \* Cardo marino (*Eryngium maritimum*): 30.000 units
- \* Festuca (*Festuca rubra*): 30.000 units
- \* Grama marina (*Elymusfactus*): 5000 units
- \* Azucena marina o pancracio (*Pancretium maritimum*): 1000 units



**REMOVAL OF INVASIVE PLANTS AND RESIDUES.** An important work was carried out from 19th of February to 30th of June 2015. This was a work to eliminate invasive species and residues, and plantation in all the system of dune of the Helgueras beach. These works were carried out by a team AMICA and AMPROS through a funded project by Obra social La Caixa, and with the collaboration and management of the Dirección General.... (a General Administration of Mountains and Conservation of Nature). Those works involved the extraction of a total of 442 kg between invasive species and residues, which were not biodegradable (in this beach), and the plantation of a total of 166.000 native plants between both beaches. The Dirección.....(an organism of General Administration of Mountains and Conservation of Nature) is proceeding to restore the system of dunes of Cantabria's coast, like the one in Helgueras (since the beginning of 2016), carrying out the following actions: - Elimination of invasive species. - Plantation for increasing biodiversity in secondary and third dunes. - Closing two zones of dunes. - Placement of indicative signs. - For more information: <http://www.arcoslife.eu/arcosweb/>



INFORMACIÓN GENERAL DEL  
**AYUNTAMIENTO DE NOJA**  
NOTICIAS Y ACTIVIDADES  
PLAYAS  
PLANES Y DOCUMENTOS  
DESCRIPCIÓN AMBIENTAL Y NATURAL  
PROPUESTAS Y SUGERENCIAS



Concedida por su Calidad de las aguas de baño,  
información y educación ambiental, seguridad,  
servicios e instalaciones.



UNE-EN ISO 14.001  
Número de Expediente: 03814/12



Accesibilidad  
Registrada  
UNE 170001-2  
AR-0007/2013



The plants marine sea grass (*Elymusfactus*) and barrón (*Ammophilaarenaria*) are structural and engineer species of ecosystems. Planting communities of primary and secondary dunes are organized respectively. The dunes systems of Ris and Trengandín are of the most important coastal systems of Cantabria, within the territorial area of the Natural Park of Marismas de Santoña, Victoria y Joyel.



En colaboración con ARCOSLIFE



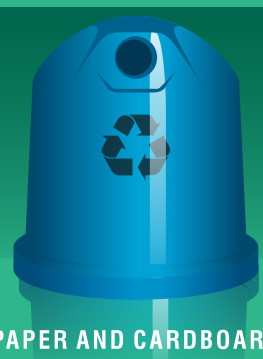
GOBIERNO DE ESPAÑA



**RECYCLING INFORMATION**  
PLEASE HELP US TO PRESERVE OUR ENVIRONMENT;  
IF YOU RECYCLE WE WILL WIN!



PLASTIC AND BOTTLES



PAPER AND CARDBOARD



GLASS



ORGANIC WASTE



RECYCLING GUIDE SYSTEM  
FOR MOBILE PHONES

IT IS NOT ALLOWED  
TO PARK BICYCLES AT THE ENTRANCE  
OF THE BEACH



USE THE NEAREST  
BICYCLES PARKING AREA.

NO ANIMALS  
ARE ALLOWED AT THE BEACH  
FROM 7: 00 TO 22:00



EXCEPT THE ONES WHICH WORK  
IN RESCUE OF PEOPLE IN NEED.

art. 22 de la Ordenanza del Uso y Aprovechamiento de las playas de Noja

**INFORMATION RESCUERS**  
HIGH TIDE, LOW TIDE, WARNINGS FOR  
TEMPORARY, WASTE, JELLYFISH, ETC...

AYUNTAMIENTO DE NOJA		WATER QUALITY CONTROL		
DATE				
FLAG				
HIGH TIDE			LOW TIDE	
AIR TEMPER.			WATER TEMPER.	
OBSERVATIONS:				

You are in the Natural Park of Marshes of Santoña, Victoria and Joyel, in a place of community importance, LIC ES1300007 Marismas de Santoña, Victoria y Joyel. It's a protection area for birds, ZEPA ES0000143 Marismas de Santoña, Victoria y Joyel and Ajo's estuary, just inside the territorial ambit of an international importance wetland in the list of Ramsar Marismas de Santoña.

PLEASE help us to preserve and take care of our environment. Thank you