



2016 ANNUAL
AND CORPORATE
RESPONSIBILITY REPORT

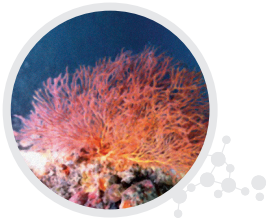
PROTECTION OF ECOSYSTEMS AND BIODIVERSITY



CEPSA



ECOSYSTEM PROTECTION AND BIODIVERSITY PROJECTS AND ACTIVITIES CARRIED OUT IN 2016



- Development of a marine and coastal resources and marine communities database, under the Coastal Energy oil platforms in the Province of Songkhla (Thailand).

In partnership with the Coral Reef Research Unit and Benthic Communities, from the Centre of Excellence for Biodiversity of Peninsular Thailand, belonging to the Prince of Songkhla University, a study of the marine ecosystems has been conducted since 2012, which is performed under the Coastal Energy oil platforms, focused on the benthic, plankton and fish communities. In 2016, phase II of the project continued, which will be developed until 2017, aiming to conduct in-depth research of marine life under oil platforms and along the Songkhla coast.

As a result of the work carried out in 2016, the presence of zoo-plankton and marine larvae observed under the oil platforms was lower than at open sea, given that the presence of fish which eat plankton was very high below the oil platforms.



- The book "Birds of the Casanare Savannah" was published. An approach to diversification and conservation.

At Cepsa Colombia, in fulfilment of our commitment to Sustainability, one of our initiatives is focused on recognising and promoting diversity; to achieve this, we have developed research projects in the Areas of Influence in which we conduct our operations in the department of Casanare, in order to recognize the biodiversity of the fauna, flora, ecosystem and culture. Throughout 2016, the group of birds was selected for its annual publication, which is derived from the results of previous studies conducted in the areas of interest.

The publication compiles the birds present in Cepsa's Areas of Influence in Casanare Colombia, by means of graphical representations and basic descriptions of the species, with the objective of making them easier to observe and identify or as consultation material.

In addition, we have carried out an exercise with the communities in the areas of influence during the process of collecting primary information, raising awareness regarding the handling, use and need to conserve natural resources (biotic and abiotic) in favour of positive interaction with the environment which enables the anthropic activities such as agriculture and livestock raising to be developed sustainably.



- **Monitoring, assessment and planning of the conservation of felines** and prey as focus species, present in areas of oil exploration in Casanare, Colombia: **Functional conservation landscapes**.

The objective of the project is to identify and to prioritize key areas and connectivity for mammals, with particular emphasis on felines and prey, in areas of influence with three oil blocks (Llanos 22 Sur, Puntero and Jilguero), located in the municipalities of Maní, Tauramena and Yopal, in Casanare.



- **Revegetation of the project areas during the implementation of the facilities at Block 131 in Peru.**

The project has consisted of a forestry assessment, aiming to identify the major impact areas and species which would be planted to help to control erosion and to foster recovery using revegetation techniques for 20,000 m² of areas intervened when installing facilities as part of the environmental commitment assumed in the Environmental Impact Assessment (EIA), improving the social and environmental surroundings.



- **Life Blue Natura: Andalusian blue carbon for climate change mitigation: quantification and recycling mechanisms.**

This project is co-financed by Cepsa.

Throughout 2016, progress has been made in the planned activities of the project, in particular in developing mapping and characterisation of habitats, the design and sampling required to assess carbon stocks and flows associated with ecosystems of meadows of marine phanerogams and tidal mudflats, and outreach activities.



- **Monitoring of the bird community**, and actions related to the conservation, knowledge and enhancement of the natural space at La Laguna Primera de Palos (Natural Site, Site of Community Importance and Wetland of International Importance). As a result, a total of 47 different species have been observed.



- **The aim of the actions at the Madre Vieja Environment Station** is to maintain this natural space as a flora and fauna sanctuary in a highly urbanized area. Thanks to that, the number of species of birds recorded increases year after year; it has been part of the PASEM programme (Bird Ringing Plan for the Monitoring of Migrant Species), as the first station in the province of Cádiz. Another highlight is the presence of mammals, reptiles, fish and invertebrates, bioindicators of the quality of the ecosystem. On the other hand, significant training and awareness raising work has been carried out, with more than 1,700 visits received throughout the year.



- In collaboration with the Ministry of Environment and Spatial Planning, Cepsa has supported the monitoring and conservation works of the osprey population at the Odiel Natural Site and Marshes Biosphere Reserve on a voluntary basis, and we **promote the environmental education programme 'Osprey's view of the Odiel Marshes'** for school pupils and other groups.