Society for the Study of Cetaceans in the Canary Archipelago (SECAC)

Canary Islands Cetacean Research Centre (CICC)

Cetacean Biological Reference Collection of Macaronesia (CBRCM)

INTERNSHIP

CETACEAN RESEARCH IN THE CANARY ISLANDS









Lanzarote, Canary Islands, Spain

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Who are we?



The Society for the Study of the Cetaceans in the Canary Archipelago (SECAC) is a scientific NGO founded in 1993 (Canary Islands Association registration number G1/S1/8184-93/L). The aims of this organisation are to promote research, conservation, and the dissemination of cetaceans in the Canary Islands. SECAC manages the **Canary Islands Cetacean Research Centre (CICC)**, located in Arrecife, Lanzarote Island. SECAC's scientific research activities focus on monitoring the structure and dynamics of cetacean communities in the Canary Islands, as well as obtaining biological information from stranded cetaceans. This work is behind the development of the **Biological Reference Collection of Cetaceans of Macaronesia (CBRCM)**, which the organisation oversees. SECAC was co-founder of the Spanish Cetacean Society (SEC) in 1999, and the Cetacean Museum of the Canary Islands (MCC) between 2005 and 2011. SECAC has conducted 115,000 km of marine surveys in the Canary Islands, made more than 5,000 sightings in dedicated cetacean surveys and participated in the study of more than 1,000 whales and dolphins stranded in the islands. SECAC actively collaborates with other national and international scientists and research centres. If you want to know more about SECAC visit our website: www.cetaceos.org or our social networks on Facebook (SECAC) and Instagram.

What does the training programme offer?





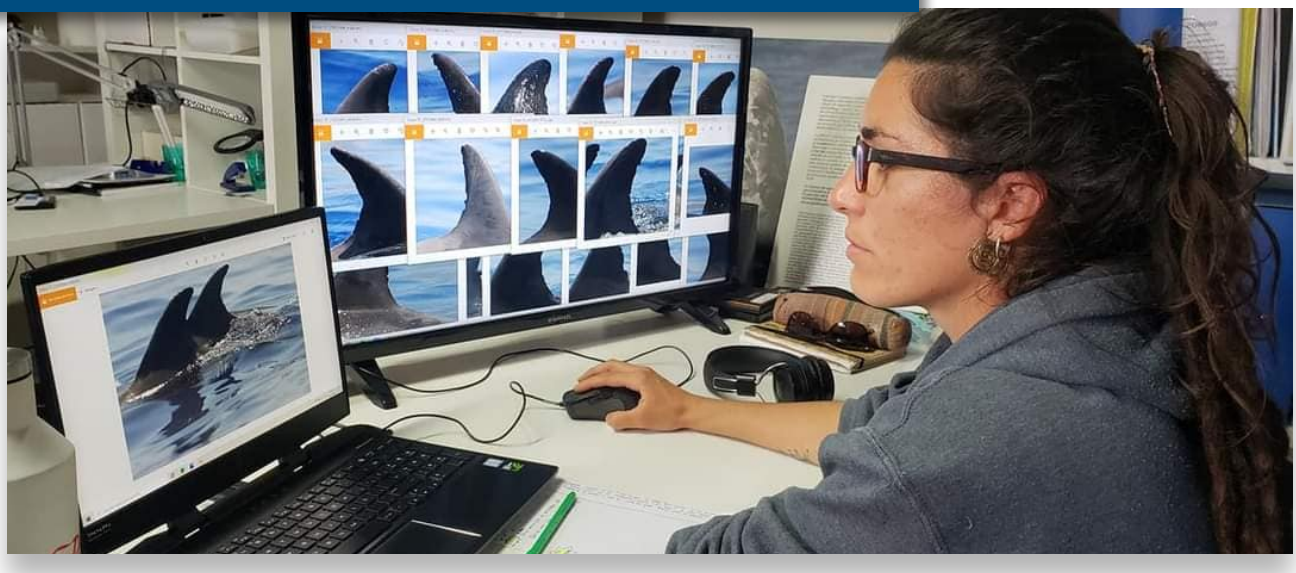
SECAC's training programme **offers interestested people (students, recent graduates, young researchers of biology, veterinary and related) the opportunity to learn first-hand about the world of cetacean research and conservation**. Participants will work hand in hand with researchers at all stages, from data collection to data analysis, including trips to sea within the framework of our CETOC program (https://www.cetaceos.org/cetoc/). It is a unique opportunity to gain hands-on experience alongside marine mammals experts in a privileged location such as the island of Lanzarote and its waters. The languages spoken during the training and internship are Spanish and English (it depends on the work group). The working place will be the **Canary Islands Cetacean Research Centre (CICC)** of SECAC in Arrecife, Lanzarote. The scientific expeditions will take place on the waters of Lanzarote and Fuerteventura, which are part of the EU marine protected area of the Natura 2000 Network: "*LIC Marine Area of the East and South of Lanzarote-Fuerteventura*".





The waters of the Canary Islands are an ideal laboratory for the study of cetaceans, with 31 listed species.

What is included in the programme?



The programme offers highly educational training that includes **courses**, **theoretical and practical workshops, field research and laboratory work** at our **Canary Islands Cetacean Research Centre (CICC)** in Arrecife, specifically:

- A training programme of lectures on cetacean biology, ecology, and research methods (field data collection, photo-identification, acoustic recording, GIS, basic analytical techniques, data processing, study and biological sampling of stranded cetaceans, management of the biological collection of cetaceans, etc.).
- Identification of the different species of cetaceans in the Canary Islands and the Macaronesia sub-region (37 species belonging to 7 families).
- Scientific expeditions carried out at sea to monitor cetacean populations (when sea conditions permit) using photo-ID, a drone and hydrophones. These expeditions are part of our CETOC programme.
- Collection of biological information and samples from stranded whales and dolphins, in the case of strandings of cetaceans in Lanzarote and Fuerteventura.
- Preparation, cleaning and cataloguing of osteological material (skulls and skeletons) from stranded cetaceans holds in the Biological Reference Collection of Cetaceans of Macaronesia (CBRCM).
- Biological analyses such as the study of stomach contents, parasites, etc.
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The training programme is structured according to the level of knowledge, needs and length of stay of each participant.

Scientific expedition at sea



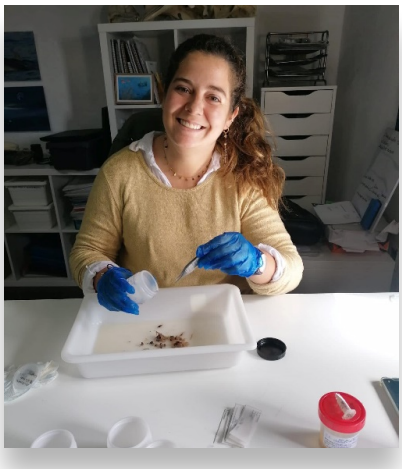


SECAC is currently carrying out a long-term study of the cetacean population in the waters of the east and south of Lanzarote-Fuerteventura within the CETOC programme. Thirty-one species of cetaceans can be found in the area, especially deep diving species such as pilot whales and 3 speces of sperm whales (sperm whale, dwarf and pygmy sperm whale) and beaked whales. Of which at least four: Risso's dolphin (*Grampus griseus*), Cuvier's beaked whale (*Ziphius cavirostris*), Blainville's beaked whale (*Mesoplodon densirostris*) and probably Gervais's beaked whale (*Mesoplodon europaeus*) have resident populations that SECAC has been studying for more than two decades. This information is crucial for the correct management of these species and their habitat. The work methodology includes **marine surveys to determine the distribution, abundance, behaviour, habitat use, movements, social structure, and conservation status of these populations.** The navigations will be carried out with a **5.5 m semi-rigid boat and, at least once a month, a 15 m motor-sailing boat**. Due to the nature of the research, the scientific expeditions will only take place on days with excellent sea conditions (Beaufort 0-1).





Why is it a unique experience?







SECAC has been working with cetaceans since 1993, covering multiple levels of scientific research (stranding network, photo-identification, bio-aquatic, scientific expeditions at sea, etc.).

The scientific director of the project is Vidal Martín. Vidal is a pioneer in the study of cetaceans in the Canary Islands and has more than 30 years of experience in this field. He is the founder of SECAC and has directed and participated at different research, conservation, and dissemination projects on the cetaceans of the Canary Archipelago. These projects were conducted at different levels: regional, national, European and international. He is author and co-author of several scientific publications in prestigious journals such as *Nature*, *Scientific Reports*, *PeerJ*, *PloS ONE*, *Frontiers in Marine Sciences*, *Global Ecology and Conservation*, *Marine Mammal Science*, *Journal of Cetacean Research*, *Aquatic Mammals*, among others. He has participated in the description of a new cetacean species: Ramari's beaked whale, *Mesoplodon eueu*, published in *Procedings of the Royal Society (B)* in 2021. He has more than 120 scientific communications and presentations at national and international conferences. His efforts are behind the creation of one of the most important biological collections of cetaceans in the Macaronesian sub-region, under the oversight of SECAC. Vidal Martín was co-founder and first president of the Spanish Cetacean Society (SEC). He is a winner of the Jameo de oro 2023 award for sustainability by the Cabildo de Fuerteventura (Island Council), the Severo Ochoa 2014 science award from the I.E.S. Agustín Espinosa, the 2007 César Manrique Environment Award from the Canary Islands Government and the 2004 Young Promise Award from the National Association of Environmental Sciences.

In recent years, the SECAC has opened its doors to university students (biology, veterinary, marine sciences and related) so that they can develop their TFG, TFM and scientific reports. The main research topics are photo-identification with habitat studies, cetacean trophic ecology and bioacoustics. The SECAC has produced more than 40 scientific publications, 120 conference presentations and has tutored 4 doctoral theses, as well as several dissertations, dissertations and scientific reports.

Our young researchers' experience

Agustina Centomo graduated in Veterinary Medicine at the Universidad Nacional del Centro de la Província de Buenos Aires (UNCPBA). She is currently doing an internship at the Cetacean Biological Reference Collection of Macaronesia (CBCRM).



Sol Aliart graduated in Marine Sciences at the University of Barcelona and holds a Master's degree in Wildlife Management. Sol carried out her internship for 4 months. Her work focused on the collection and analysis of biological samples from stranded cetaceans.



Nuria Delgado has a degree in Environmental Sciences from the Universidad Rey Juan Carlos and a master's degree in International Solidarity Action and Social Inclusion from the Universidad Carlos III. She studied the trophic ecology of the Atlantic spotted dolphin (*Stenella frontalis*) and the striped dolphin (*Stenella coeruleoalba*).

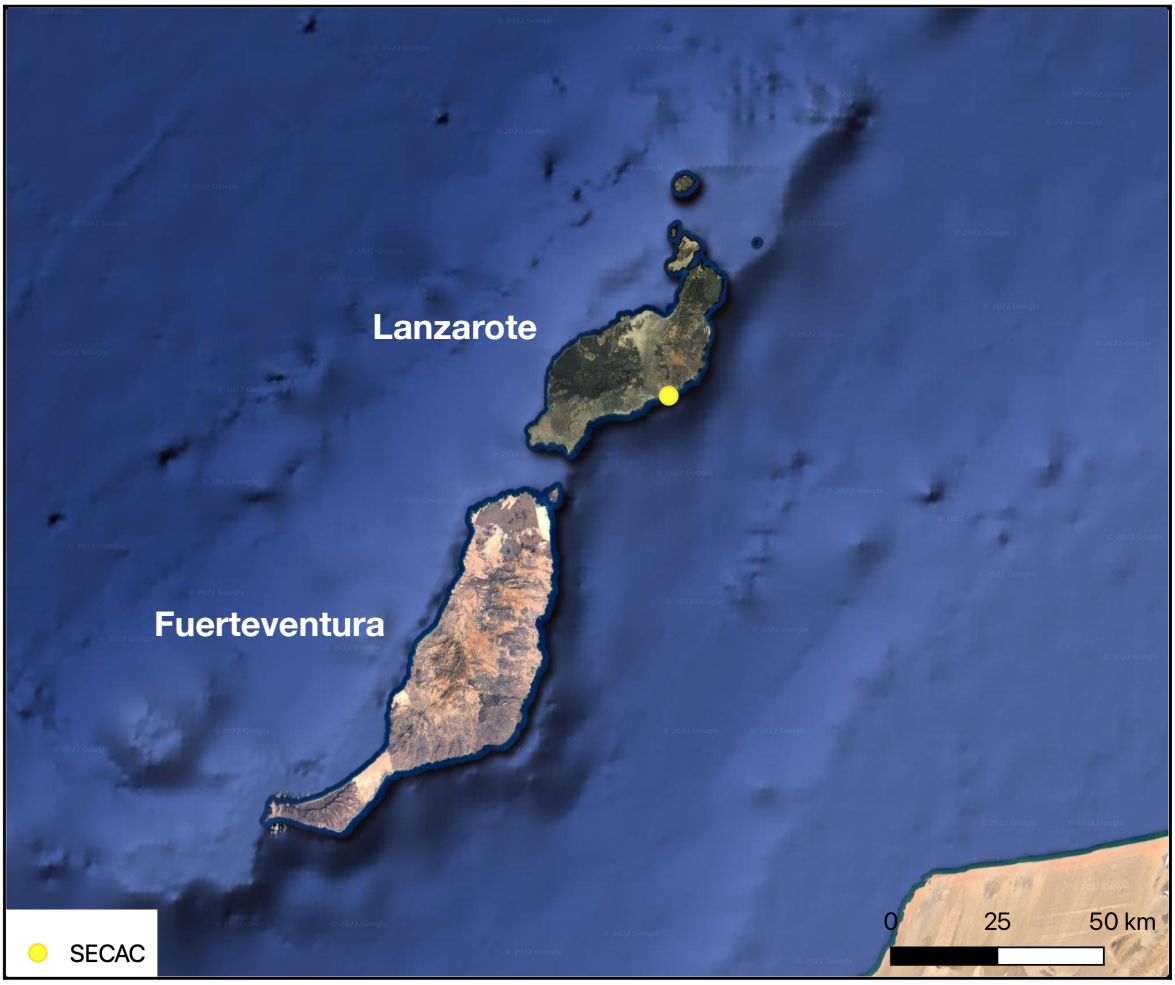


Sara Alvarez graduated in Biology with a master's degree in Conservation, Management and Restoration of Biodiversity at the University of Granada. She has contributed to the analysis of the population structure through photo-identification of Steno bredanesis. This work "Population structure of the rough-toothed dolphin (Steno bredanesis) in the Canary Islands Archipelago" has been accepted at the 34th European Cetacean Conference 2023.



About Lanzarote Island

Lanzarote is one of the eight Canary Islands. It has an area of 845.94 km², the fourth largest island of the archipelago. It's a unique island with a volcanic origin and beautiful landscape. The last historical eruption was in Timanfaya (in the south of the island) during a period between 1730 to 1736, giving rise to one of the largest lava fields in the world in terms of extension. The island is approximately 15 million years old and due to its special characteristics, was classified by UNESCO "Geopark of Lanzarote and Chinijo Archipelago" (www.geoparquelanzarote.org). The landscape of this enclave is one of the most beautiful in the Canary Islands. Lanzarote was declared a Biosphere Reserve by UNESCO 25 years ago for its exceptional natural values and the unique relationship between its inhabitants and nature (www.lanzarotebiosfera.org). Its waters are protected by the European Union's Natura 2000 Network (SCIs, SPAs and SACs). The Marine Protected Area (MPA) is a Site of Community Importance (LIC): "Espacio Marino del Oriente y Sur de Lanzarote-Fuerteventura" (ESZZ15002) for its rich marine biodiversity, the presence of cetaceans, marine turtles, and seabirds. Lanzarote is an ideal island for those who enjoy nature and tranquillity, spectacular landscapes, hiking, diving, snorkelling and water activities. The island also offers a wide range of leisure and cultural activities.



What are the dates?

The programme will start the first week of March 2023 and the dates may vary. Those interested must fill-in the application form. Places are limited and will be granted after interviews. We remind you that SECAC works with material of high scientific value and therefore commitment, dedication and passion are required.

What donation is required?

The required donation is 200 Euros per week. This does not include accommodation and food. SECAC can provide participants with information on accommodation close to the working office. Participants are required to stay for a minimum of 4 weeks. This amount is not a financial consideration, but a donation to cover the full costs of the projects.

How can I get involved?

To apply please fill the application form and send it to: secaclanzarote@gmail.com.
We will contact you within a maximum of 7 working days.

Contact

We are available to answer any questions you may have so please do not hesitate to contact us.
E-mail: secaclanzarote@gmail.com Telephone: **+34 684303503** (Francesca)