



**Marine Technology Unit (UTM)** is a services institute assigned to the Natural Resources Area from the **Spanish National Research Council (CSIC)**. Its main activity consists in providing support to the Spanish Ministry of Economy and Competitiveness (MINECO) in the management of the marine and polar Spanish scientific-technologic infrastructures.



The **UTM** provides logistics and technological support to the **RV\_Hespérides**, is in charge of the integral management for **RV Sarmiento de Gamboa**, **RV García del Cid** and **RV Mytilus**, and also the operation of the Spanish Antarctic Station **Juan Carlos I**.

Platforms

**RV Sarmiento de Gamboa:** is a 70 m. multipurpose research vessel owned by Spanish government and operated by National Research Council (CSIC) through Marine Technology Unit (UTM). Was built in 2007 by C.N.P. Freire shipyards in Vigo, Spain. It is designed as a silent ship following ICES report No 209 recommendations, with a diesel propulsion twin engines (DC), and low vessel-noise radiated into the sea. The scope of multidisciplinary reaches different scenarios, from physical oceanography, marine biology, fisheries research and acoustics, reflexion and refraction seismic, marine geology and ROV operations..



**RV Hespérides:** Built in 1988-1991) was funded by Spanish Research Council (CSIC) and delivered to the Spanish Navy on May 1991. The construction began in 1988, coinciding with the admission of Spain as a consultative member of the Antarctic Treaty. The main mission of the vessel was, at that time, support of scientific activities in Antarctica and at the same time allow extension of the investigation to all the world's oceans.

**RV García del Cid:** multipurpose ship of 37 m overall length, built in 1979. It is therefore the first ship of the CSIC and has developed over the years all types of works in oceanography. It was adapted from a former fishing boat design to a multipurpose RV in late 80's , including a stern gantry, cable winches driver and echo sounders.



**RV Mytilus:** 24 m long coastal research vessel designed for marine biology, physical oceanography and marine geology. Her work scope is the coast of Galicia, dedicated mainly to the research projects of the Institute of Marine Research of Vigo, with collaborations for the Universities (in the field of the academics).



**BAE Juan Carlos I:** located at the South Shetland Islands (62° 39' 46" S, 60° 23' 20" W) and it is a Large National Scientific Facility from the Ministry of Economy and Competitiveness. Provide the necessary technical, logistics and scientific support to the National Antarctic research. Moreover, the station is the starting operational base to support other research activities that take place at seasonal camps around the Shetlands Islands like the one at Byers Peninsula.

Operations and Equipment

