





1872

On August 20, 1872, Henri de Lacaze-Duthiers, Professor of Zoology at Sorbonne University, signed the first lease for a "new home" in Place de l'Église, Roscoff, to house his

Experimental Zoology Laboratory

This was the first marine station in Europe dedicated to fundamental research.

1908

After the construction of a floor of laboratories, the Laboratory of Experimental Zoology, now named **the Marine Station**, is open to all fields of biology.





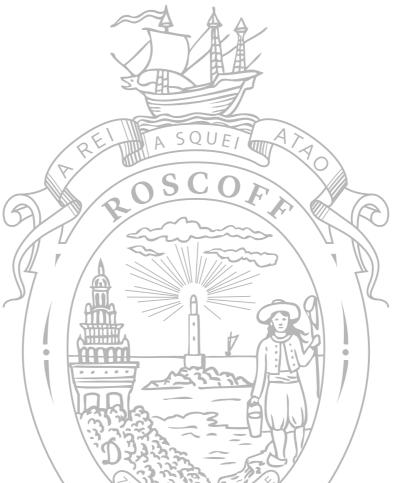
The Station circa 1891



Engraving by Félix Benoist, published in 1865.
All of the buildings situated to the left
of the church were later bought by
Henri de Lacaze-Duthiers, founder of the
Laboratory of Experimental Zoology.
Today they constitute the historical heart of
the Roscoff Marine Station.

The emblem of the Laboratory of Experimental Zoology.







The aquarium room on the ground floor is one of the 25 different laboratories available to French and international researchers in the new floor.

The research aquarium building circa 1908.



1945 The director of the CNRS, Georges Teissier, also director of the Station from 1945 to 1971, signed the decree establishing the centre for the study of oceanography and marine biology. The Marine Station opens up to a new area of of research: oceanography.

1953

The public aquarium

is opened to introduce the general public to the main reason the Marine Station was created at Roscoff - the richness of local fauna and flora. This was later transformed into the Marine Biological Resource Centre in 2015.

With more than 700 algae and 3000 animal species, the hindiversity in North Brittany is exceptional.

in 1953

1970-1980

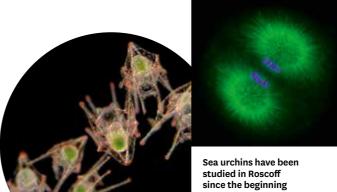
Scientists working at the Station on a seasonal basis choose to settle there permanently. They create new teams and bring in new scientific fields, such as cell biology.



Aquarium de recherche

Together, the research aquarium built in 1883 and the old public aquarium renovated in 2010, now house the Marine Biological Resource Centre (CRBM). The mission of the CRBM is to provide access to local biodiversity and experimental facilities to scientists from around the world.

The Pluteus II, 1959 The Neomysis,



and are still used by biologists at the Station to understand the intricate mechanisms of cell division, which

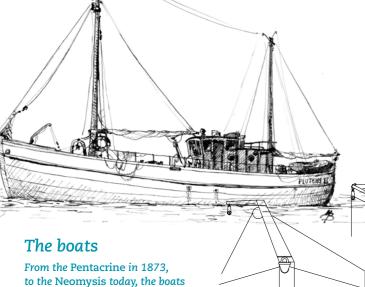


Observation of the marine environment, particularly over the long term, enables the collection of rich data on the environment and biodiversity so that we can understand the evolution of marine ecosystems and predict the possible impact of human activities and climate change.

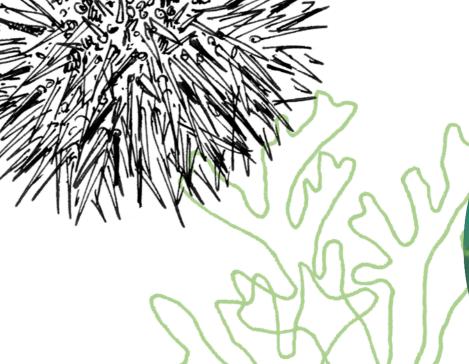
> Introduced to the Station in 1948/1949, the oceanographic vessels diving has given of the Station. us the capacity to install underwater instruments that enable experiments







to the Neomysis today, the boats are crucial for collecting animals and plant species and for recording a variety of seawater properties. Each boat is traditionally named after a marine species.



1980 1990 Innovative te arrive at the The use of flow has led to ne 2001-2010 Innovative technologies First introduced to Roscoff Roscoff was among the arrive at the Marine Station. pioneers of marine genomics. by George Tessiers, genetics The use of flow cytometry is in the midst of a revolution: This new data extends our has led to new discoveries coastal observation and the development of highon marine plankton and DNA throughput sequencing experimental studies from sequencing has enabled techniques allows the analysis organisms to ecosystems. the exploration of genes. of entire genomes and population genetics. Sequencing gel: Decoding The complete genome of the brown alga Ectocarpus "ATGC" of DNA. siliculosus is sequenced At the heart of marine science Teaching 2002 Since 1872, the Roscoff Marine Station has been a centre for teaching as well as research. For 150 years, students and Scientists, from France and abroad, have Accueil The European Commission been using the classrooms funded Roscoff to lead and teaching laboratories scientifique a network that represents many of the Marine Station during Since its creation European marine stations. their academic training. the Station has hosted 600 students study here scientists from all over the world. Services and infrastructures have been continually upgraded to remain at the the cutting-edge of research.

2010



The great oceanographic expeditions make it possible to explore the whole ocean, from the tropics to the poles, from the surface to the abysses.

From 2009 to 2013, the sailing vessel Tara took samples of marine microorganism biodiversity, from every ocean in the world.

The Station now employs close to 300 people. The scientific teams continue to expand.
Research is flourishing on

seaweeds, phytoplankton, viruses, bacteria, invertebrates...

Studies range from coastal environments to global oceans, and from the polar environment to the abysses.

Science Ambassadors

Understanding the ocean is a major challenge for the future of life and the planet. The Station's scientists have been spreading scientific knowledge for many years and have been involved in numerous projects involving the general public, schoolchildren, and artists inspired by the wonders and surprises of the marine world.





In 2022 the Station contributed to the creation of a marine education zone with a school from Moguerou and the city of Roscoff.

Jean Painlevé (1902-1989) is one of the renowned artists who has been invited to the Station. A pioneer of scientific cinema, he directed many films on marine animals in Roscoff.

2022-Future

To tackle the challenges of the future, the Station is leading major projects such as the Augmented Biodiversity Observatories, which has been designed to assess the impact of environmental changes on marine ecosystems, as well as European projects to develop a more ecologically and economically responsible algae industrial sector. Drawing on its rich history, the Station continues its missions:

to explore, to understand, to innovate, and to share

knowledge to improve the way we use and protect the ocean.



rodhamine Illustrations: Hélène Le Cam Photos: Wilfried Thomas; Sandrine Boulben; Patrick Cormier, Myriam Valero (CNRS; Sorbonne Université); Sacha Bollet (Fondation Tara Ocean)