

PRESS RELEASE

INTERNATIONAL OCENOGRAPHIC CAMPAIGN

Eurofleets+ SINES Expedition

11th - 20th September, 2022

Exploring the link between SW Iberian oceanography and climate change

A joint international initiative

The Eurofleets+ SINES Expedition - led by Centre of Marine Sciences of Algarve (CCMAR-Algarve) and Portuguese Institute for the Sea and Atmosphere (IPMA) - will be conducted between September 11th and September 20th 2022 by an international team of scientists, with different expertises, aboard the R/V Sarmiento de Gamboa. The main goal of the expedition is to study the effects of climate change on the process in which deep, cold and usually nutrient-rich water rises toward the surface (i.e., upwelling) off SW Iberia coast.

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This is a unique opportunity to do multidisciplinary research at high level. The first step and proof of concept for something bigger in the future!”

Dr. Marcos Fontela, PI of the Eurofleets+ SINES Expedition



Science behind the Eurofleets+ SINES Expedition

During the research cruise the scientific team will collect, process, storage and analyse samples from: seawater, plankton and marine sediments. This will allow to characterize the physical and chemical properties of the water column as well as the plankton living in the water column. Furthermore, sediment samples - wich provide an invaluable key to study past climate changes - will be collected at the sea bottom.

The overall objective of the expedition's participants is to identify the changes and risks for marine ecosystem functioning and its biodiversity deriving from the potential impact of climate change on Iberian upwelling fronts, where usually are found good fishing grounds.

More information

About the Eurofleets⁺ project | <https://www.eurofleets.eu>

About the Eurofleets⁺ SINES Expedition | <https://express.adobe.com/page/zXixsvSEip2uq/>

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