

# SOCIB, an international Coastal Ocean Observing and Forecasting System based in the Balearic Islands

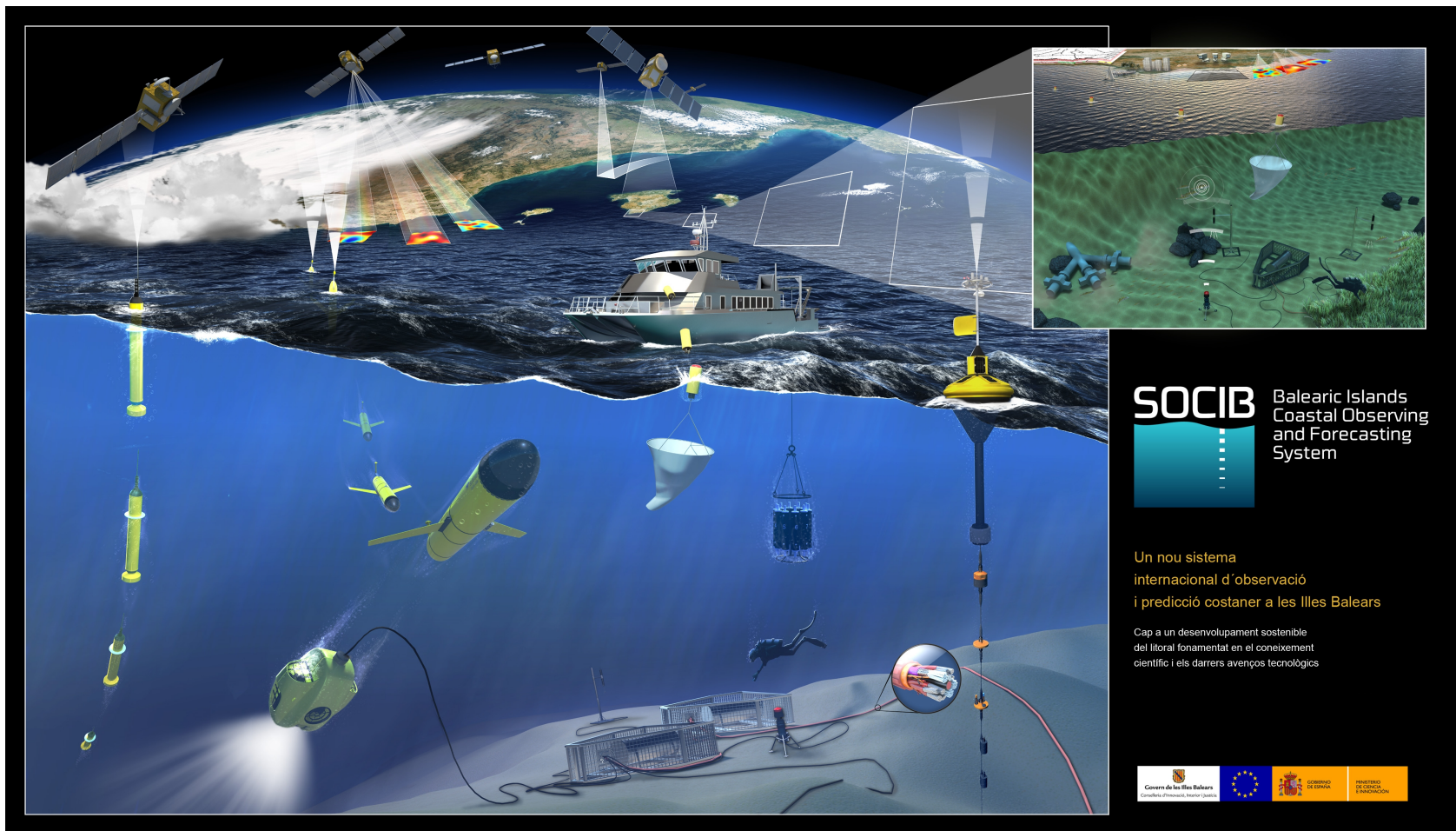


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SOCIB and IMEDEA (UIB-CSIC)

<http://www.socib.eu>

# SOCIB: the view....



# What is SOCIB?

SOCIB is a Coastal Observing and Forecasting System, a **multi-platform distributed and integrated Scientific and Technological Facility** (a facility of facilities...)

- providing streams of oceanographic data and modelling services in support to operational oceanography
- contributing to the needs of marine and coastal research in a global change context.

The concept of Operational Oceanography is here understood as general, including traditional operational services to society but also including the sustained supply of multidisciplinary data and technologies development to cover the needs of a wide range of scientific research priorities and society needs.

In other words, SOCIB will allow a quantitative increase in our understanding of key questions on oceans and climate change, coastal ocean processes and ecosystem variability.

# ICTS SOCIB: an international Coastal Ocean Observing and Forecasting System based in the Balearic Islands

- New technologies have allowed a crucial **change of paradigm** in ocean observation: from ship based observation to multi-platform integrated observing systems. New role of autonomous vehicles for ocean monitoring.
- SOCIB is a **multi-platform distributed and integrated facility of facilities**, open to international access that provides free, open, quality controlled and timely streams of data.
- **SOCIB drivers**: research, technology development and capacity to respond to society needs. Extends from nearshore to open ocean.
- Included in **CSIC/IMEDEA 2010-2013 Strategic Plan**. Strong Partnership CSIC-IEO-UIB and internationally IMOS, OOI-IOOS, etc.
- New role of **Marine Research Infrastructures** for PPP.

