

SOCIB regional ocean observing and forecasting infrastructure in the Western Mediterranean Sea

SOCIB (Balearic Islands Coastal Observing and Forecasting System, www.socib.es) is a coastal ocean observing and forecasting infrastructure located in the Western Mediterranean Sea. SOCIB collects and distributes data from near-shore to open ocean through the operation of multi-platform observing systems from fixed moorings, drifting buoys, research vessel, gliders, HF radar, animal tracking systems and beach monitoring stations. It provides free and quality-controlled observations and products to address both science and society needs.

SOCIB operates three ocean prediction systems aiming to predict the short-term evolution of (1) ocean temperature, salinity, sea level and currents (2) waves and (3) meteotsunamis. Their outputs are being disseminated on the web and integrated in specific SOCIB products and services tailored to the needs of specific sectors and end-users.

This presentation will provide an overview of the main components of SOCIB, from observations to prediction systems and applications, also including collaborative projects with Iberian partners.

Primary author: Mr MOURRE, Baptiste (SOCIB - CSIC)

Presenter: Mr MOURRE, Baptiste (SOCIB - CSIC)

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