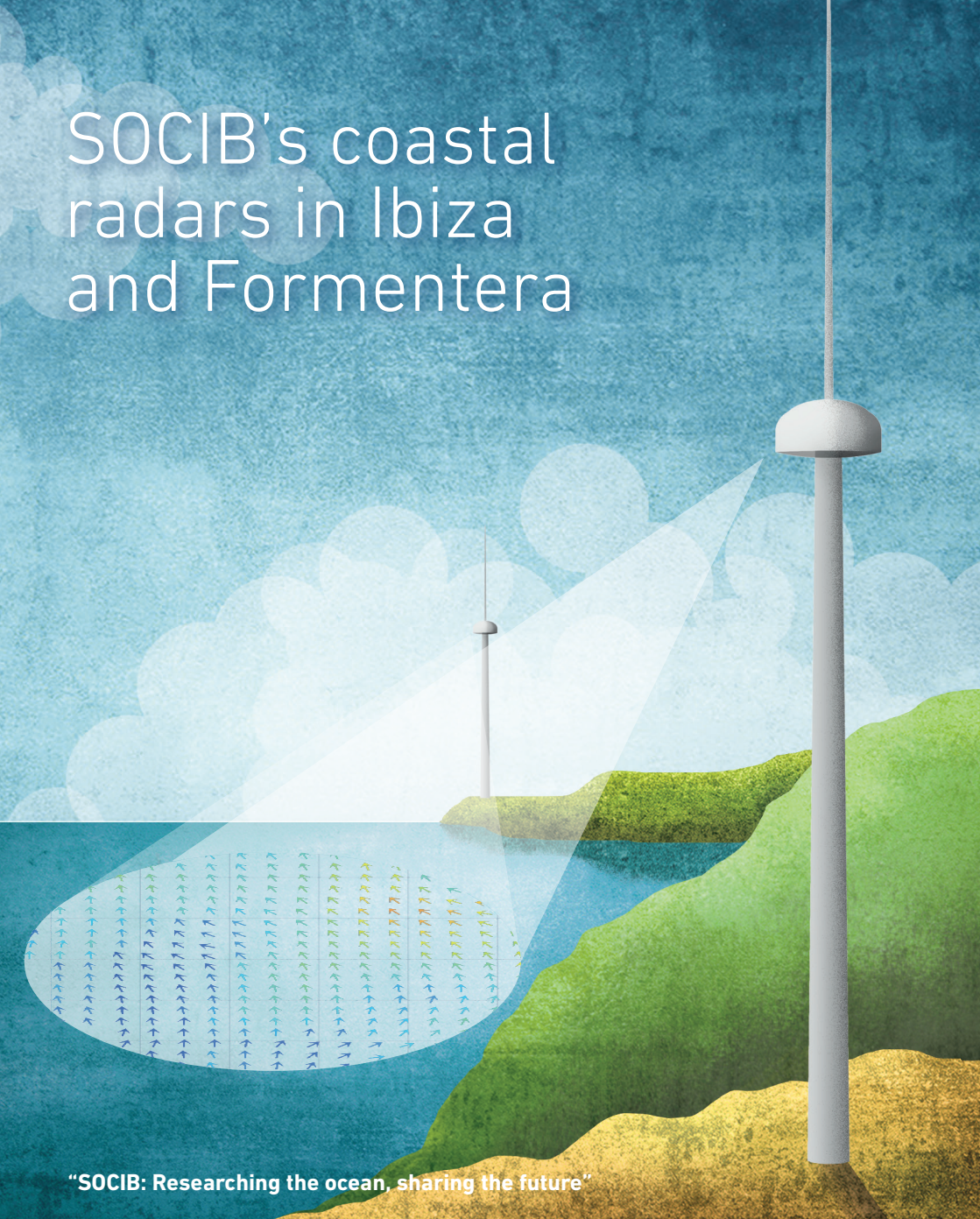


SOCIB's coastal radars in Ibiza and Formentera



“SOCIB: Researching the ocean, sharing the future”



Balearic Islands
Coastal Observing
and Forecasting
System

With the
collaboration of:

Consell d'Eivissa



Ajuntament de
Sant Josep de sa Talaia



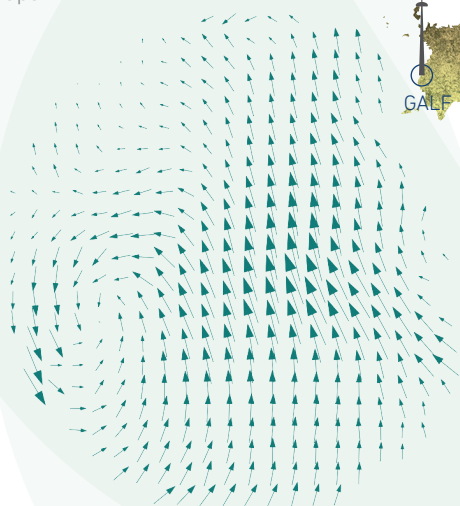
Consell Insular
de Formentera



Ajuntament de
Sant Francesc Xavier

The Balearic Islands Coastal Observing and Forecasting System

Since 2012, SOCIB (www.socib.es) operates two coastal radars: one in Puig des Galfí and the other in Cap de Barbaria. They provide hourly surface current maps over a wide area of the Ibiza Channel at high spatial resolution (3 km).



The Ibiza Channel: area of high scientific and ecological value

The interaction between fresher Atlantic water masses with saltier waters from the Mediterranean favours its high biodiversity. Furthermore, this phenomenon has a strong impact on the Mediterranean's climate.

Applications

Knowledge of the trajectories of the ocean surface currents is essential for:



Maritime safety



Sustainable management of fisheries



Oil spill control



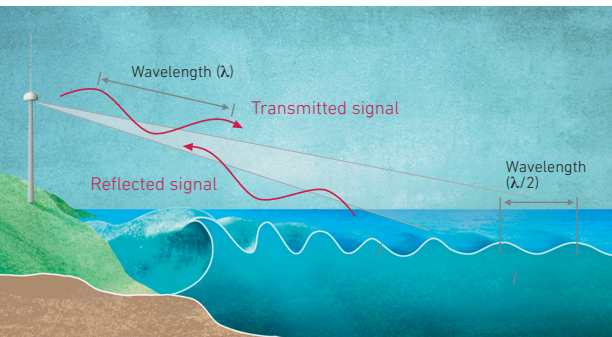
Search and Rescue



Water Quality



Scientific Knowledge



How does the HF radar work?

This technology works similarly to the traffic radars. The antenna transmits the radio signal (at high frequency -HF-, 13.5 MHz) and receives the reflected sea echo, allowing the calculation of the surface current velocity.



Emits harmless radiation



Low transmission power (40 W)

