

# Medcllic: the Mediterranean in one click

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## The Medcllic project.

"*Medcllic: the Mediterranean in one click*" is a research and dissemination project focused on the scientific, technological and societal approaches of the Balearic Islands Coastal Observing and Forecasting System (SOCIB, [www.socib.es](http://www.socib.es)). It is a collaboration with "la Caixa" Foundation.

SOCIB aims at research excellence and the development of technology which enable progress toward the sustainable management of coastal and marine environments, providing solutions to meet the needs of society. Medcllic goes one step forward and has two main goals:

1. at the scientific level: to advance in establishing and understanding the mesoscale variability at the regional scale and its interaction, and thus improving the characterization of the "oceanic weather" in the Mediterranean;
2. at the outreach level: to bring SOCIB and the new paradigm of multi-platform observation in real time closer to society, through scientific outreach.



Fig. 1: Home page of the Medcllic project.

## The role of the Data Centre.

SOCIB Data Centre is the core of the new multi-platform and real time oceanography and is responsible for directing the different stages of data management, ranging from data acquisition to its distribution and visualization through web applications.

The implemented system relies on open source solutions and provides data in line with international standards and conventions (INSPIRE, netCDF Climate and Forecast...). In addition, the Data Centre has implemented a REST web service, called *Data Discovery*. This service allows data generated by SOCIB to be integrated into applications developed by the Data Centre itself or by third parties, as it is the case with Medcllic. It also facilitates the transfer of data from SOCIB to other international portals, such as EMODnet-Physics, CMEMS INSTAC or MONGOOS.

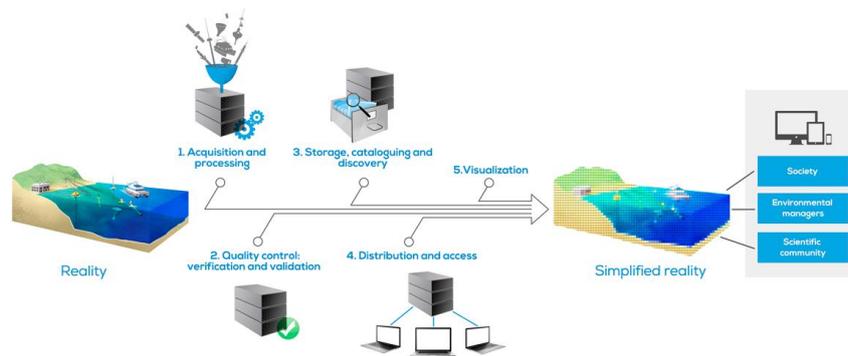


Fig. 2: Connexions and roles of the Data Center.

## Results.

Relying on this data distribution, the new web Medcllic, [www.medcllic.es](http://www.medcllic.es), constitutes an interactive scientific and educational area of communication that contributes to the rapprochement of the general public with the new marine and coastal observing technologies.

Thanks to the Medcllic web, data coming from new observing technologies in oceanography are available in real time and in one click for all the society. Exploring different observing systems, knowing the temperature and swell forecasts, and discovering the importance of oceanographic research will be possible in a playful and interactive way.

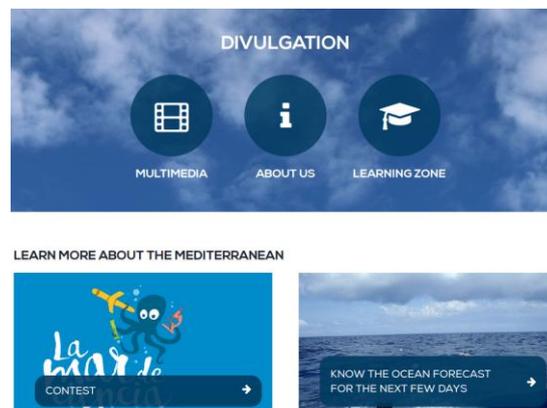


Fig. 3: Outreach section of the Medcllic project.