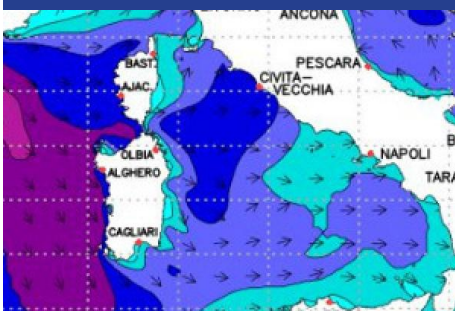


MET-OCEAN CONDITIONS FOR SURFERS

MeteoSurf



USE CASE OVERVIEW



02	height	direction	(sec)	(kn)	direction
00	2.33	↘	11.17	17.33	↘
03	2.21	↘	11.17	14.26	↘
06	2.10	↘	11.17	12.07	↘
09	2.04	↘	11.17	10.96	↘
12	2.05	↘	11.17	13.49	↘
15	2.17	↘	12.28	15.53	↘
18	2.28	↘	13.51	14.77	↘
21	2.33	↘	13.51	14.40	↘
Tue	Wave	Wave	Period	Wind	Wind
03	height	direction	(sec)	(kn)	direction
00	2.39	↘	12.28	14.94	↘

MeteoSurf is a free multi-source weather forecasting App designed to provide wind and wave conditions of the Mediterranean Sea. It is an application for smartphones and tablets, built as a Progressive Web App able to supply detailed and updated maps and data showing heights of sea waves in the Central Mediterranean. It is mainly targeted for surfers and wind-surfers. Data can be displayed as animated graphical maps, or as detailed table data. The maps refer to the whole Mediterranean Sea, while the table data is able to provide specific information for any of the major surf spots in the Med Sea. MeteoSurf shows data collected from 3 different forecasting system sources among which the Copernicus Marine Service ocean forecast model. Met-Oceanic conditions are available in the following locations: Algeria, Croatia, Cyprus, France, Gibraltar, Greece, Israel, Italy, Lebanon, Libya, Morocco, Portugal, Serbia, Slovenia, Spain, Tunisia, Turkey. Once the surfing spot has been selected, data will be prompted in a table listing the forecast for wave height, wave direction, wind speed and wind direction.

BENEFITS FOR USER

- Better preparation at situation at sea
- Better understanding of the environmental conditions.
- Better understanding of the ocean dynamics
- Decision-making support tool

• SURFING • WIND SURFING • MEDITERRANEAN SEA • MET OCEANIC CONDITIONS • SURFING SPOTS



COASTAL
& MARINE
ENVIRONMENT



Copernicus
Europe's eyes on Earth

Implemented by

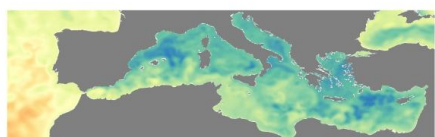


• **FACTS AND
KEY NUMBERS**



Adventure tourism has been developing tremendously over the past few decades, becoming a constantly growing segment of the broad tourism market. Capacity of the surf industry is large: over 10 million surfers worldwide, increasing at 12%-16% per annum. Information about met-oceanic conditions is mandatory for their safety. Surfers constantly watch the weather as it is bound to change in an instant and they don't want to be stuck way out when a big lightning storm comes through.

• **CMEMS
PRODUCT IN USE**



Results come from two different Scientific Services: 1) The EU Copernicus Marine Environment Monitoring Service (CMEMS), which provides regular and systematic reference information on the ocean state for the global ocean and the European regional seas, and 2) The NOAA (National Oceanic and Atmospheric Administration) National Centers for Environmental Prediction (NCEP) Global Forecast System (GFS) Atmospheric Model.

Product in use 1

• **CMEMS
USER**



M e t e o S u r f

The MeteoSurf application has been developed by Fabio Marzocca. MeteoSurf is compatible with any iOS or Android device, without the need for any special requirement.

meteosurf
www.marzocca.net/linux/meteosurf_en.html

Contact

Marzocca Fabio
marzoccafabio@gmail.com

