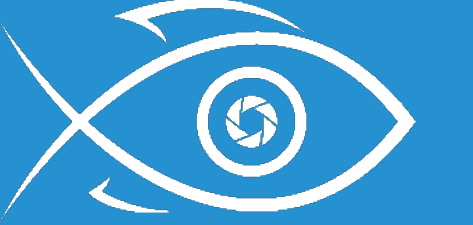




# MEDTRIX : A mapping platform about the monitoring of Mediterranean coastal waters and ecosystems



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[www.medtrix.fr](http://www.medtrix.fr)

## What is Medtrix ?

**Medtrix** is an online platform which groups together data concerning the monitoring of Mediterranean coastal waters and ecosystems : **marine habitat maps, ecological and chemical quality indicators, anthropogenic pressures** (anchorage, aquatic farms etc.), **biological data** (fish assemblages, sea birds), **physical data** (temperature, noise) and **geographical information** (water activities, pollutions, socio-economic data etc.).

Data from the different projects can be easily accessed, read, and **downloaded**. The **web map services (WMS)** is also available.

## Why?

Marine ecology and coastal management work need a large high resolution database. Medtrix allows scientific and public communities to benefit from a free and complete available source of data.

## Where ?

French Mediterranean coastline as well as some areas in Italy, Tunisia and Morocco.

## Who is Medtrix for ?

**Freely available for marine experts** (scientists, managers, technical agents) and **great enthusiasts**.

## How ?



Database

QGIS

Using «Lizmap» plugin

Publish QGIS maps on Medtrix

## 6 Different thematics

Monitoring networks, coastal & transitional water conditions, workshop sites, coastal management, habitat mapping and marine observatories **and many projects** :



### Monitoring of coralligenous assemblages

Data describing the state and functioning of the coralligenous habitat are collected at 164 sites, via the analysis of photographic quadrats.



### Monitoring of *Posidonia oceanica* Seagrass Meadows

*P. oceanica* is used as a biological indicator of coastal water. Dynamic and vitality of *P. oceanica* meadow are monitored in the french mediterranean coast at 96 sites.

### Observatory of submarine landscapes and species

It presents indicators on the complexity and aesthetics of underwater landscapes (coral reefs in particular) and high resolution photographs of these landscapes as well as marine species.

### Anthropogenic pressures

Aerial observation of pressures relative to uses in the sea (anchorage, polluted waters, etc.) are collected and their position are determined (MEDOBS). Afterwards, this pressures are modeled and vulnerability thresholds are calculated for each of them (IMPACT)



### A management tool

A simplified map (4 habitats) also available via DONIA® (App. Store and Google Play) to help boat anchoring in a respectful way outside of the sensitive habitats.



.. many other projects are available in the platform [www.medtrix.fr](http://www.medtrix.fr)

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