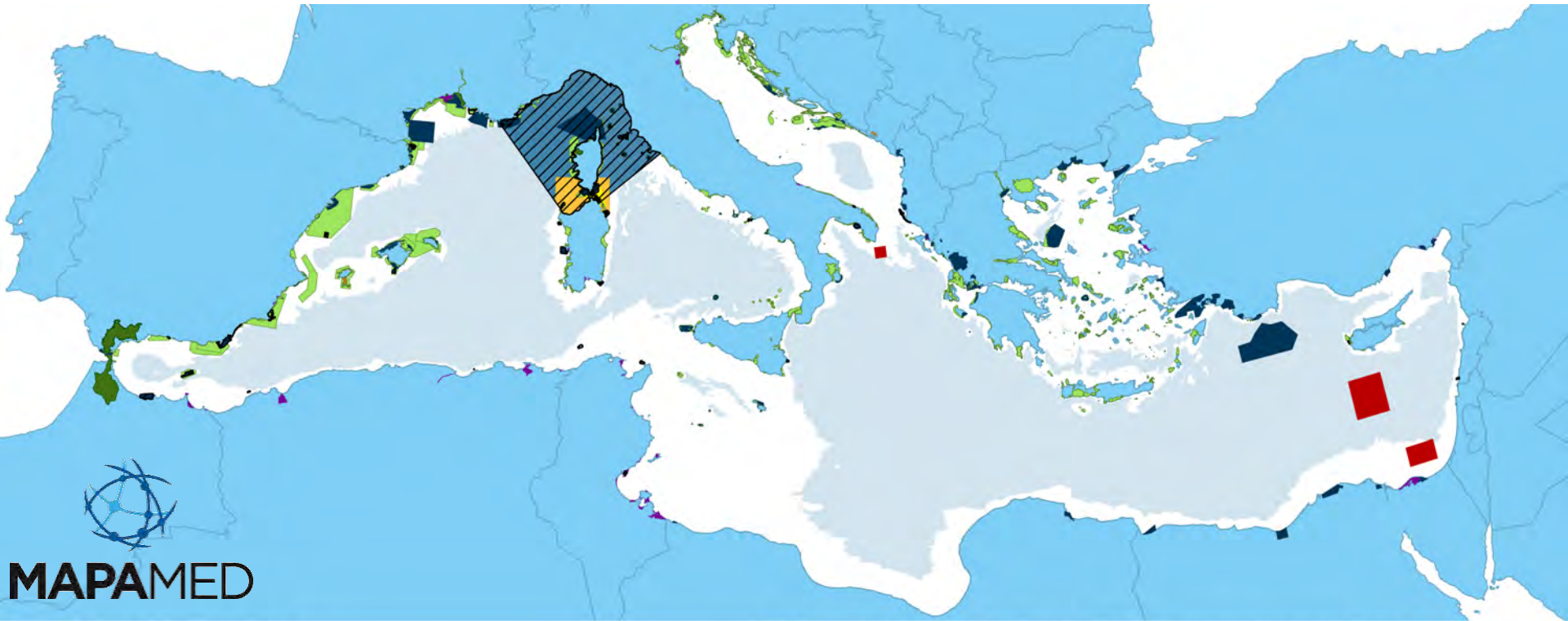




# MedPAN and **TMEDNet**

Chloë Webster





**MAPAMED**

- National designations
- Natura 2000 sites (EU)
- Conservation driven Fisheries Restricted Areas (FRAs - GFCM)
- Particularly Sensitive Sea Area (PSSA - IMO)
- International Marine Park of the Strait of Bonifacio
- Pelagos Sanctuary for Marine Mammals
- Specially Protected Areas of Mediterranean Importance (SPAMIs - Barcelona Convention)
- Ramsar sites (Ramsar Convention)
- Biosphere Reserves (UNESCO - MAB)
- World Heritage sites (UNESCO)
- Deep Sea Trawl Ban (GFCM FRA)



# 1,231 MPAs and OECMs covering 179,798 km<sup>2</sup>

All MPAs and OECMs: 7.14 %

National designations: 1.60 %

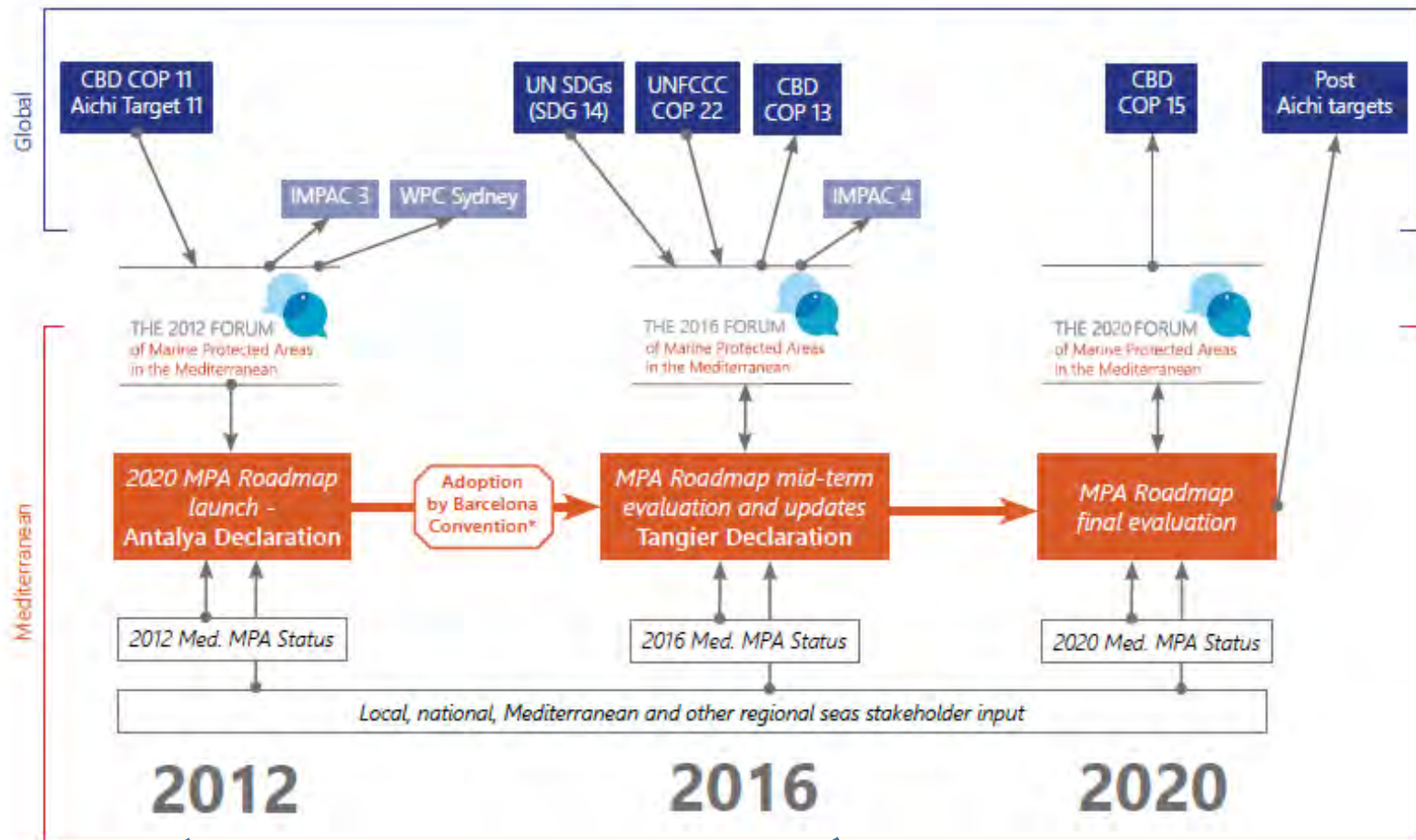
No-go, no-take, no-fishing: 0.04 %  
(in MPAs and national fisheries reserves)

Largely coastal and European  
Mostly cover shallow waters

Few management plans  
Lack permanent staff  
Insufficient funds  
Weak enforcement

Mediterranean  
sea

## THE EVALUATION OF THE MEDITERRANEAN MPA ROADMAP




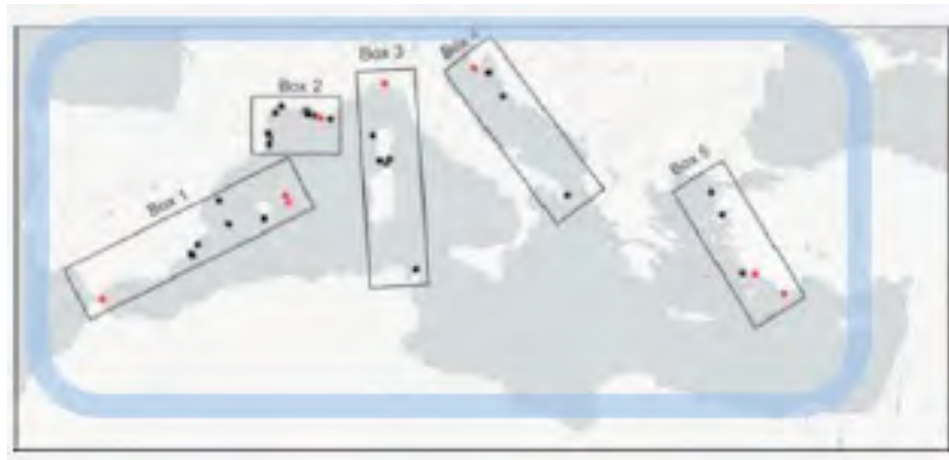
Global CC strategy involving regional partners for the Mediterranean is led by

Updated Roadmap (new axis on climate change) from 2016 onwards

## A collaborative pan Mediterranean network to track and assess climate change effects in Marine Protected Areas

Nathaniel Bensoussan, [nathaniel.bensoussan@ips-o.fr](mailto:nathaniel.bensoussan@ips-o.fr)  
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Institute of Marine Sciences CSIC (Spain)



# From local to global



## MPA's managers on a

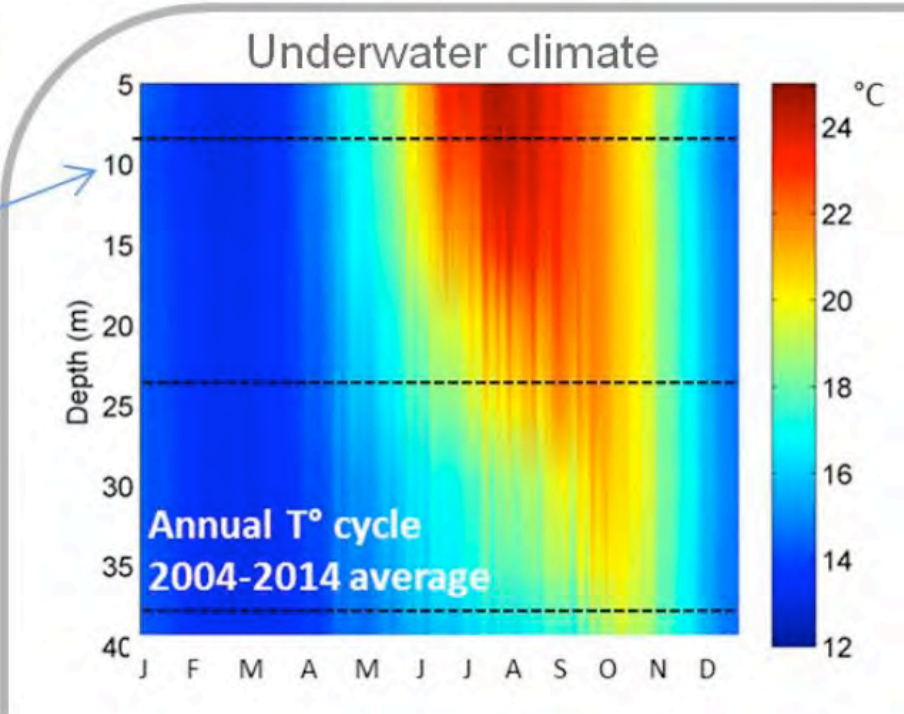
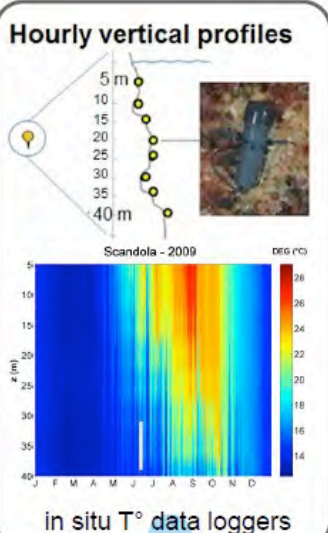
MEDPAN Small project:  
 Workshop « Development of tools for the study of clim  
 Scandola Natural reserve (Galéria, Corsica) 2 - 4 October 2012

## Results: Building local climatologies



**Local scale**

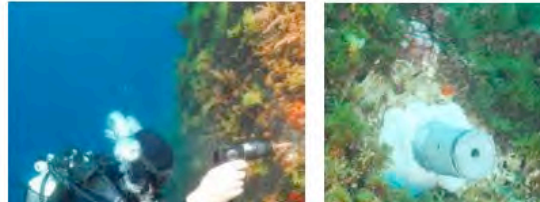
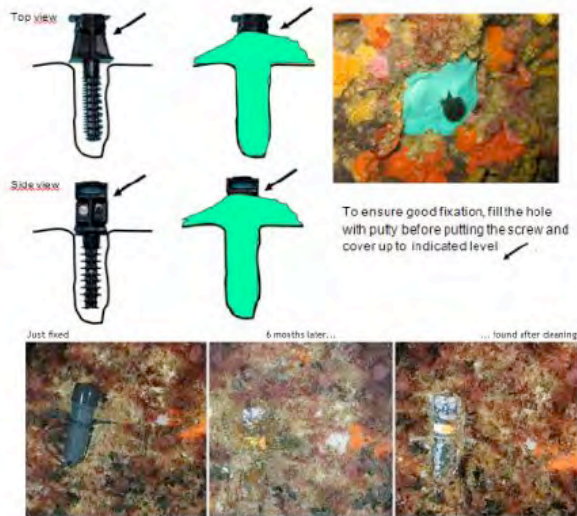
Reserve Naturelle  
SCANDOLA



# How to setup T surveys?

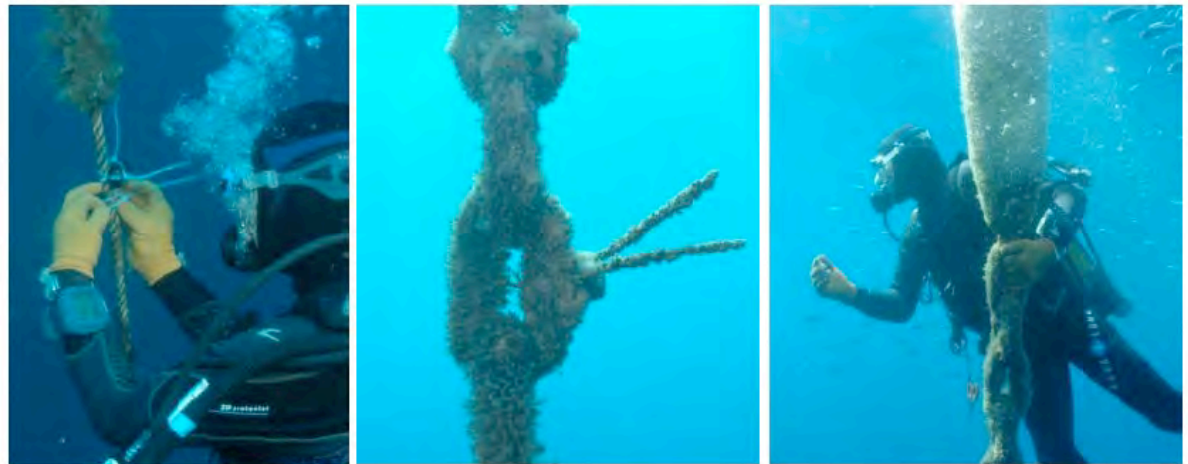
## Deploying the data loggers

Along rocky walls, using **putty** in natural holes or **spits** in drilled holes and plastic screws or clips.

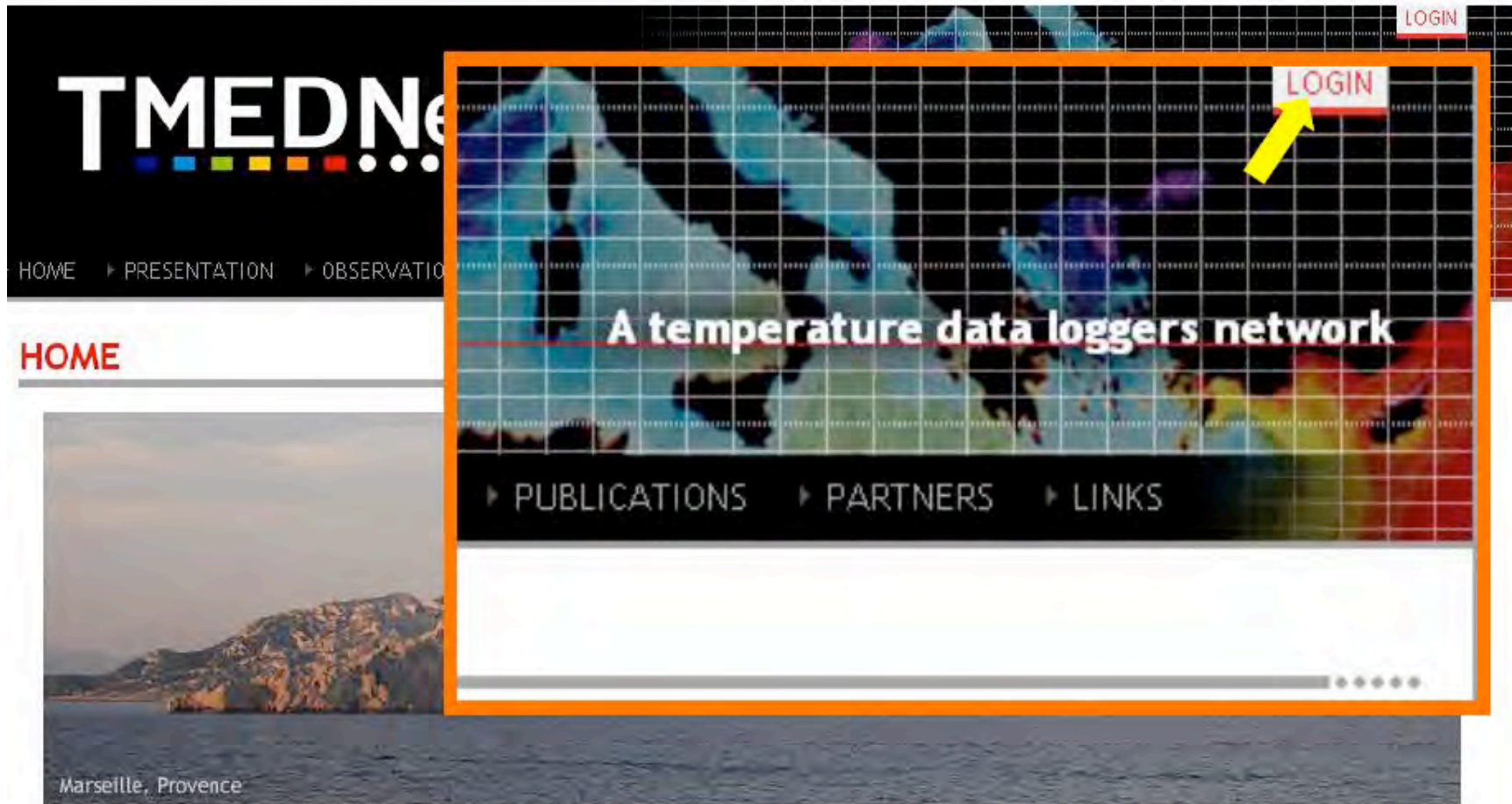


## The different fixations used

Fixed to surface or subsurface moorings (buoys), on ropes, chains.



Alternative fixations



HOME

HOME ▶ PRESENTATION ▶ OBSERVATION

LOGIN

## A temperature data loggers network

▶ PUBLICATIONS ▶ PARTNERS ▶ LINKS

Marseille, Provence

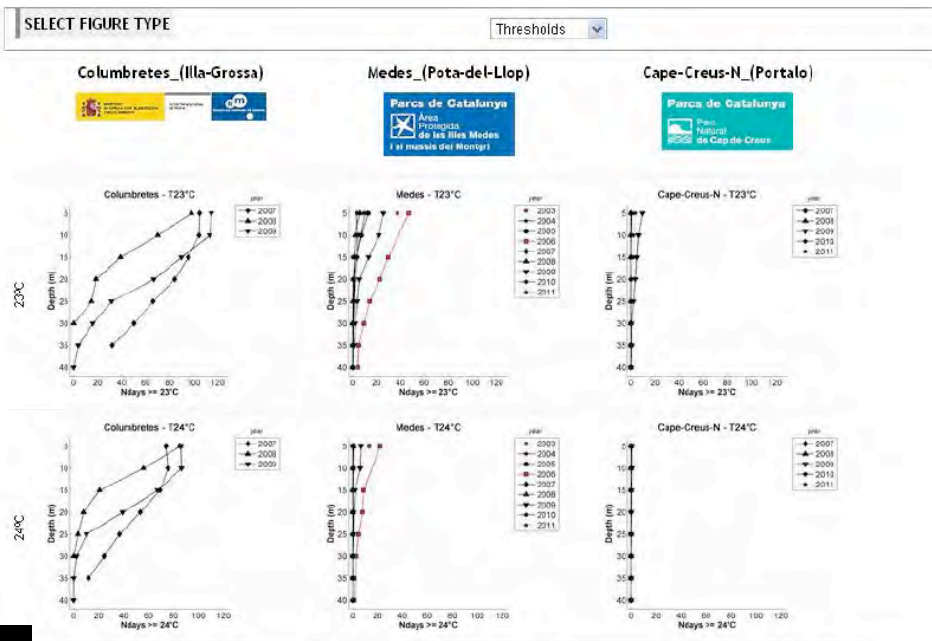
### T-MEDNET NEWS

2012-07-30 T-MedNet has upgraded its contents. Check out the [NEW T-Mednet Data section](#). Since now you can visualize three figure types summarizing the temperature regimes for each T-MedNet site. You can compare temperature conditions in up to 4 sites to better visualize regional differences across

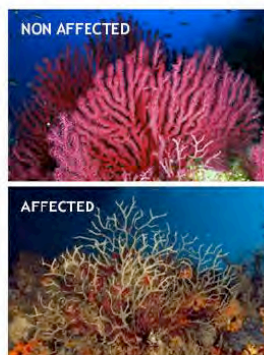
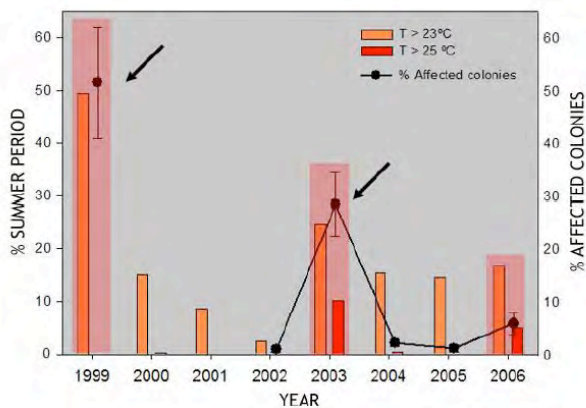


## T-MEDNET DATA

T-MEDNET DATA | LIST T SERIES | CONTACTS

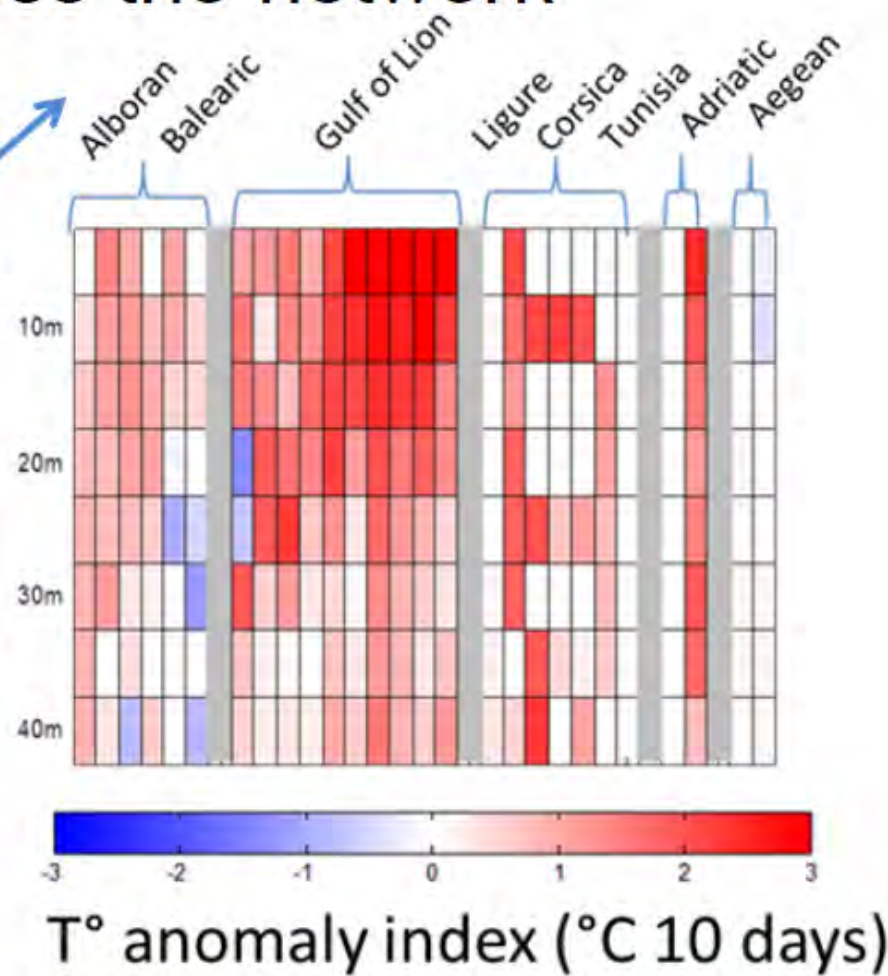


## Relationships between temperature vs. mortality



Red gorgonian populations (*P. clavata*) Marseilles' area

# Results: 2015 the warmest records across the network



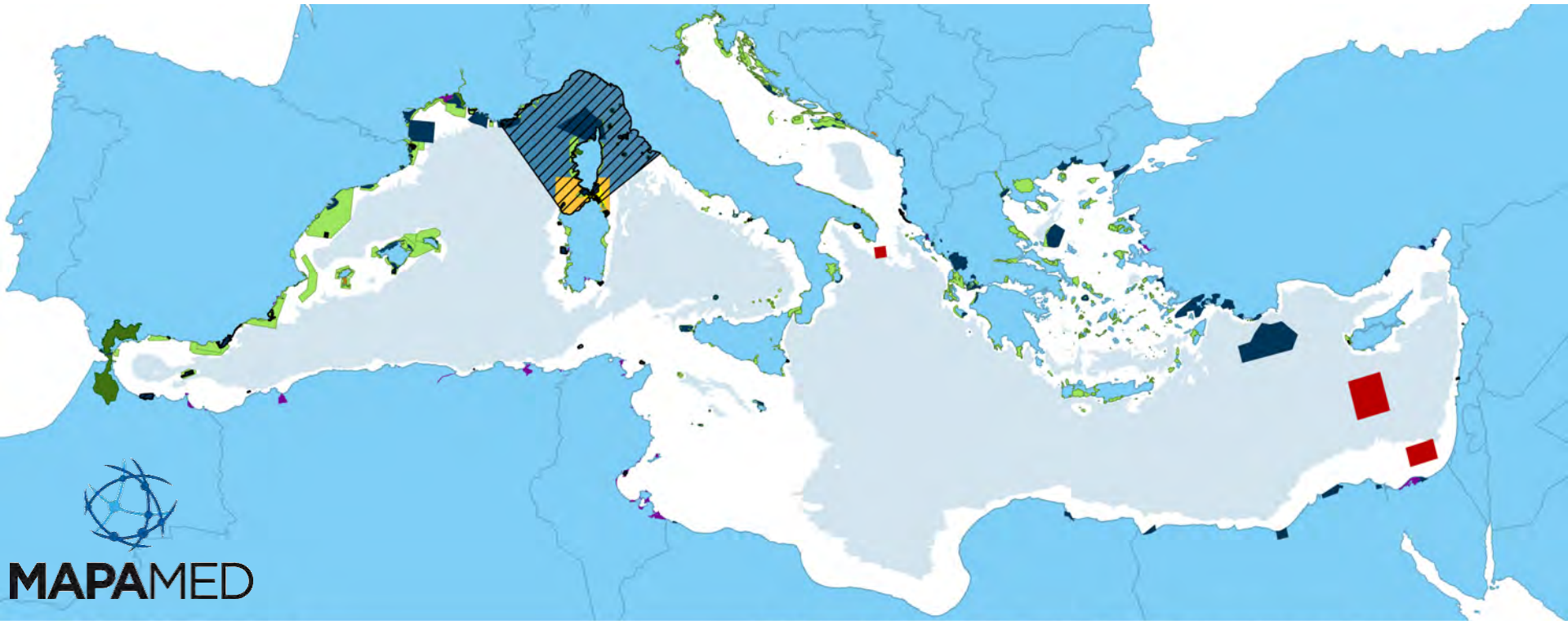
## Results:

**TMEDNet** a successful approach

15 years enhancing, strengthening  
pan-Mediterranean collaboration

7 years building the platform







-  National designations
-  Natura 2000 sites (EU)
-  Conservation driven Fisheries Restricted Areas (FRAs - GFCM)
-  Particularly Sensitive Sea Area (PSSA - IMO)
-  International Marine Park of the Strait of Bonifacio
-  Pelagos Sanctuary for Marine Mammals
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-  Biosphere Reserves (UNESCO - MAB)
-  World Heritage sites (UNESCO)
-  Deep Sea Trawl Ban (GFCM FRA)





# Priorities: Invest on good management



**Reinforce highly protected areas (*increase coverage of no-take zones to 2% especially in key functional areas – Carbon sequestration habitats and sinks*) and create new MPAs in the Open Sea**

**Provide long-term resources for MPA management (*enforcement of regulations including*) at local level (*sufficient human, material and financial*)**

**Ensure long-term MPA capacity-building and networking at Mediterranean level**



# Next priorities: Healthy Seas as driver for economies

Create win-win relationships of MPAs with decision-makers, donors and private sector (*including on Blue Carbon and sustainable financing products*) to respond to pressures beyond MPA borders

Consider MPAs as main tool to protect natural capital (*enhancing habitats resilience to support key species populations*) to reach sustainability targets within Marine Spatial Planning & ICZM processes

Develop the role of MPAs as a marine spatial management tool in *supporting ecosystem-based adaptation and mitigation to climate change*

Support the Mediterranean MPA Trust Fund: call for more countries to be involved



# Selection of Sites and Strategy for building the project

- **Criteria for site selection?**
  - **In an MPA**
  - **existing management plan and or field staff,**
  - **presence of no-go/no-take/no-fishing zone,**
  - **% of MPA with blue carbon opportunity (at least xx% or at least xx km<sup>2</sup> covered),**
  - **ongoing T° monitoring,**
  - **...?**



# Selection of Sites and Strategy for building the project

## *Words of caution:*

- *Centralise existing data on habitat mapping before undertaking new campaigns for data acquisition (in open access)*
- *Ensure benthic habitat mapping is shared with regional GIS databases that are not just project databases (eg. MAPAMED) using INSPIRE standard*
- *Stock-take on other projects at regional level re habitats, CC, Blue Carbon, socio-ecosystems, PPP...*
- *Ensure research feeds into objectives of International Conventions, Regional policies, National politics and legal frameworks*



# Main objective of the network

**Promote exchanges between MPA managers to improve MPA management efficiency**

## MISSION

Promote, through a partnership approach, the sustainability and operation of a network of Marine Protected Areas in the Mediterranean which are ecologically representative, connected and effectively managed to help reduce the current rate of marine biodiversity loss

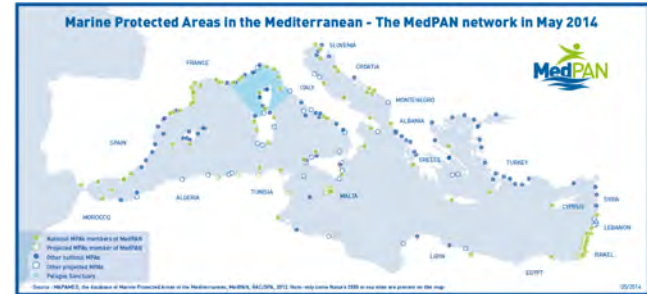
***In the framework of international agreements and regional policies:***

***CBD (Aichi targets), UN SDG 14, UNFCCC , Barcelona Convention, European directives***



# The MedPAN network

- 65 members, 41 partners, 18 countries
- Represent 110 MPAs
- Secretariat of 7 persons in Marseille
- Governance: Board of Directors, Scientific Committee, Advisory Committee
- Strategic partnerships (RACSPA, IUCN, WWF, GFCM...)
- Main donors:



Établissement public du ministère de l'Environnement

Région



Provence-Alpes-Côte d'Azur



## Improve knowledge

## Share experience & build capacities

## Communicate and promote

## MPA Forum and 2020 Roadmap

## Support financing (Trust Fund, small projects)





[www.medpan.org](http://www.medpan.org)  
[medpan@medpan.org](mailto:medpan@medpan.org)

**Thank you !**

