



EMODnet



European Marine
Observation and
Data Network

TMEDNet

Interreg



Mediterranean



MPA Engage

T-MEDNet climate change coastal observation network

Webinar - EMODnet

A decade of achievements
connecting marine data to knowledge

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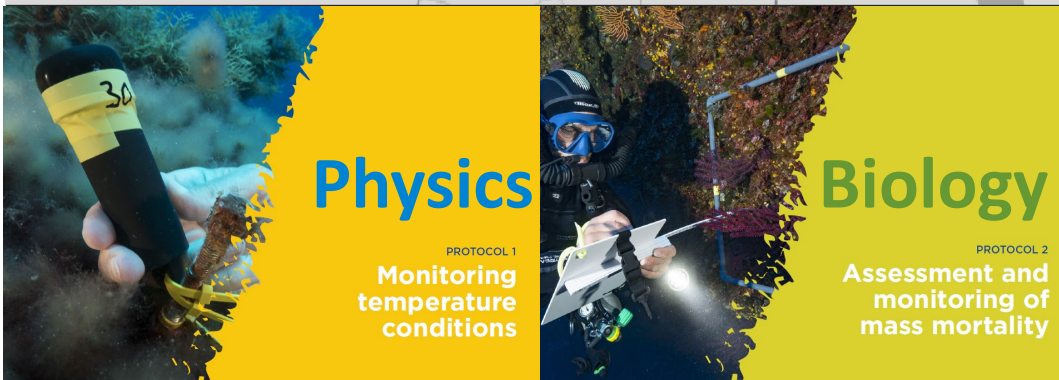
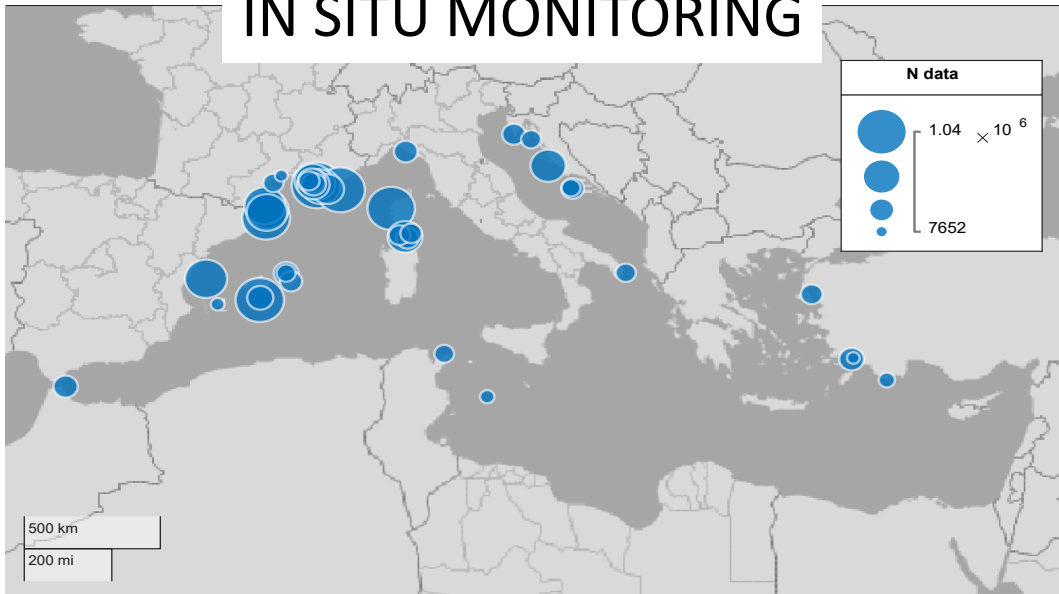
@nat_bensoussan

TMEDNet pan-Mediterranean collaborative network

Support cost-effective climate change monitoring in marine coastal ecosystems

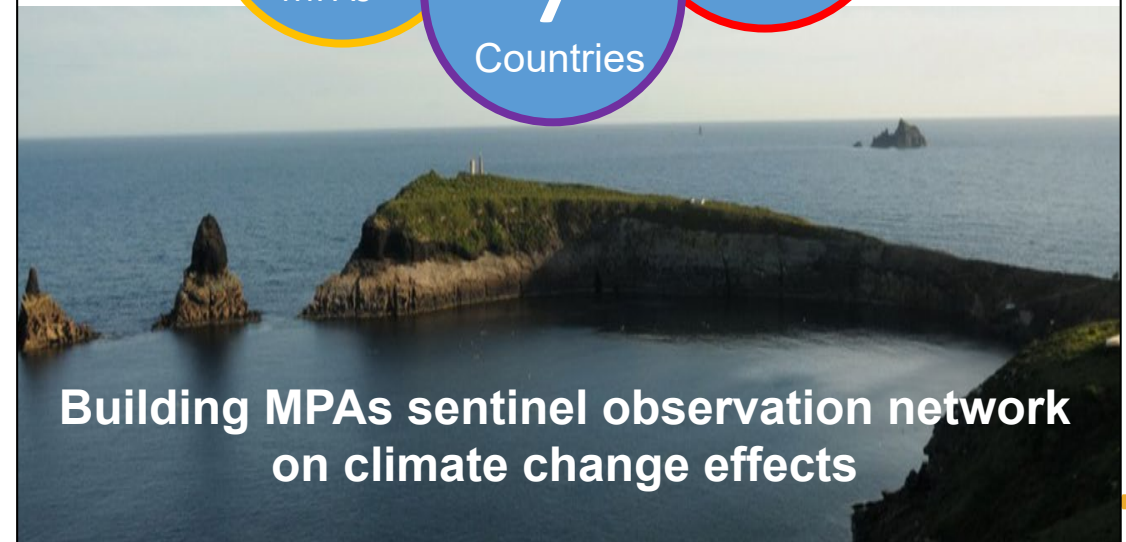


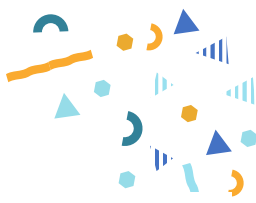
IN SITU MONITORING



SYNERGY

Scientists & Marine Protected Areas





T° Monitoring: from marine weather to marine climate

STRATEGY

High-Frequency | 0-40m

Standard protocol

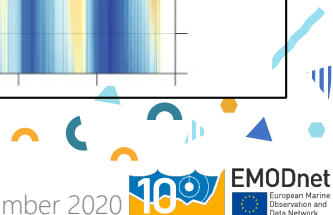
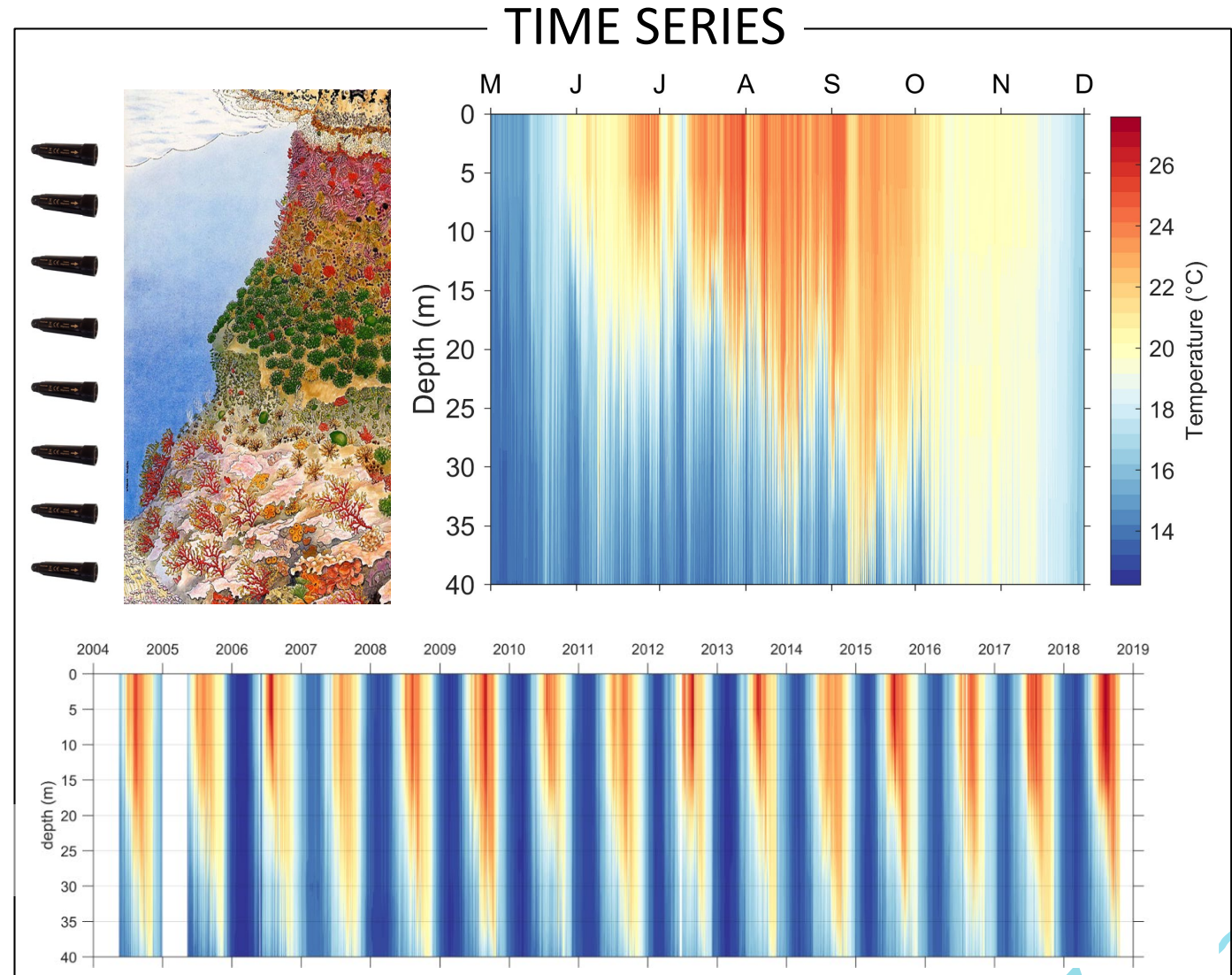
PROTOCOL 1

TEMPERATURE HF Water column

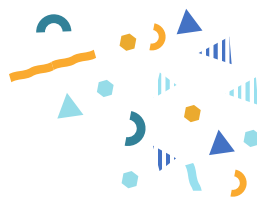
5m

40m

Sustained Obs. | Long-Term



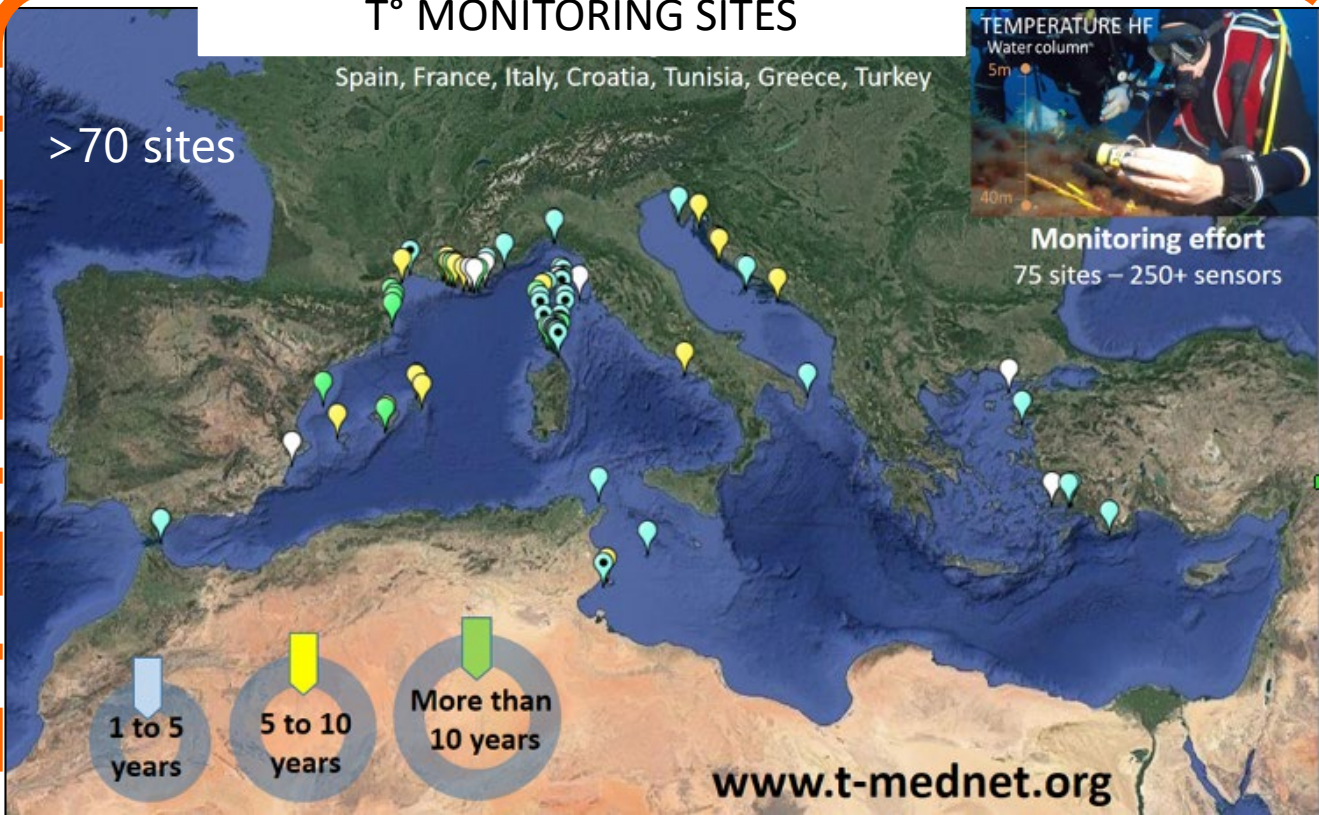
T-MEDNet : from local actions to regional view



T° MONITORING SITES

Spain, France, Italy, Croatia, Tunisia, Greece, Turkey

>70 sites



www.t-mednet.org

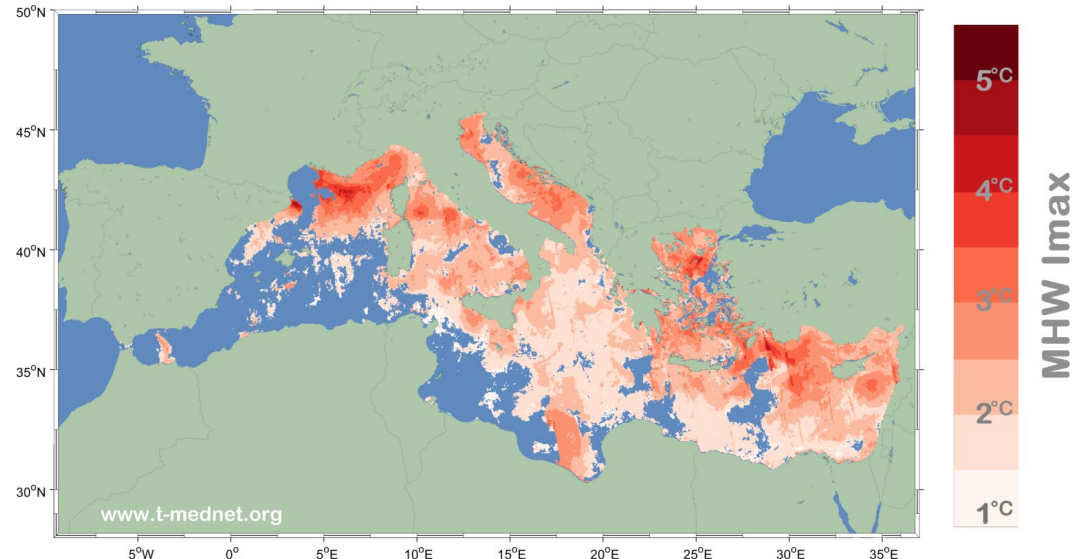


Fostering international cooperation
Collaborative approach

Powerful bottom up approach

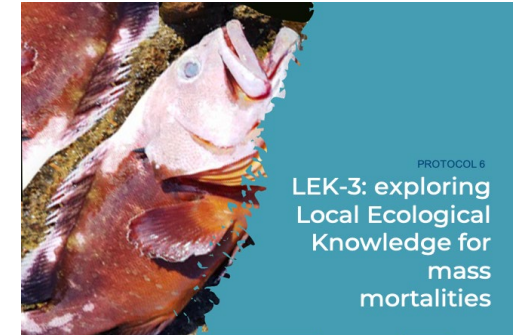
- Replicable in other regional seas
 - Complementary HR information
- In order to assess biological impacts

Marine heatwave intensity 01-19 September 2020 reference period 1982-2011



Source: T-MEDNet MHW Tracker / Generated using E.U. Copernicus Marine Service information

Biological monitoring: harmonized practices, capacity building, collaborative tools, data management & visualization



- Large scale events (>1000 km)
- About 90 affected species, 9 phylum
 - Concomitant with high temperatures





TMEDNet data sharing with EMODnet



Project co-financed by the European Regional Development Fund

From Marine Protected Areas monitoring to E.U. Marine Observation and Data Network



TEMPERATURE HF
Water column

5m

40m



PHYSICS
Oceans Physics at your fingertips


- PARAMETERS
- PLATFORM TYPE
- DEPTH
- SEA BASIN
- DATA PROVIDERS
- INTEGRATORS
- DATA PRODUCTS
- DATA NETWORK

TIME FILTER: LAST 10 YEARS


An important achievement for T-MEDNet bottom-up initiative

Reach larger audience

ENGAGE key Mediterranean actors in Ecosystem Approach to face Climate Change



MASS MORTALITY



BIOLOGY
Dive into data on Europe's marine life

EMODnet data ingestion
Mass Mortality database





www.emodnet.eu

Your gateway to marine data in Europe

