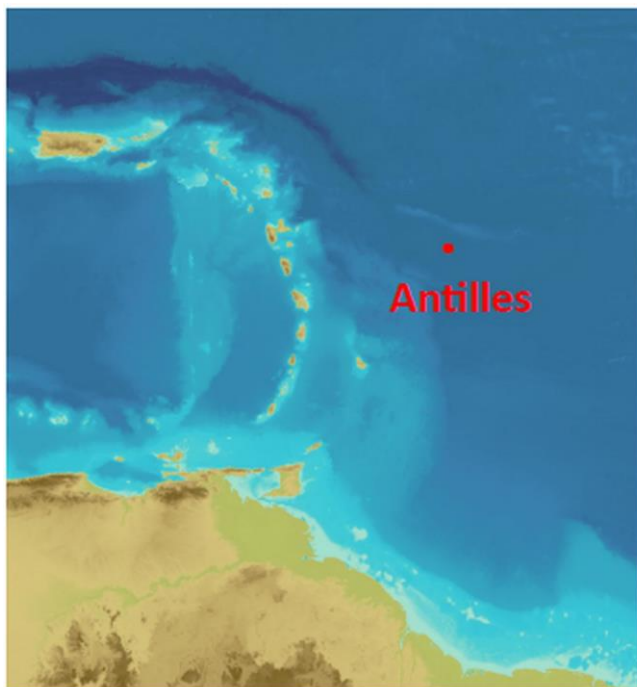


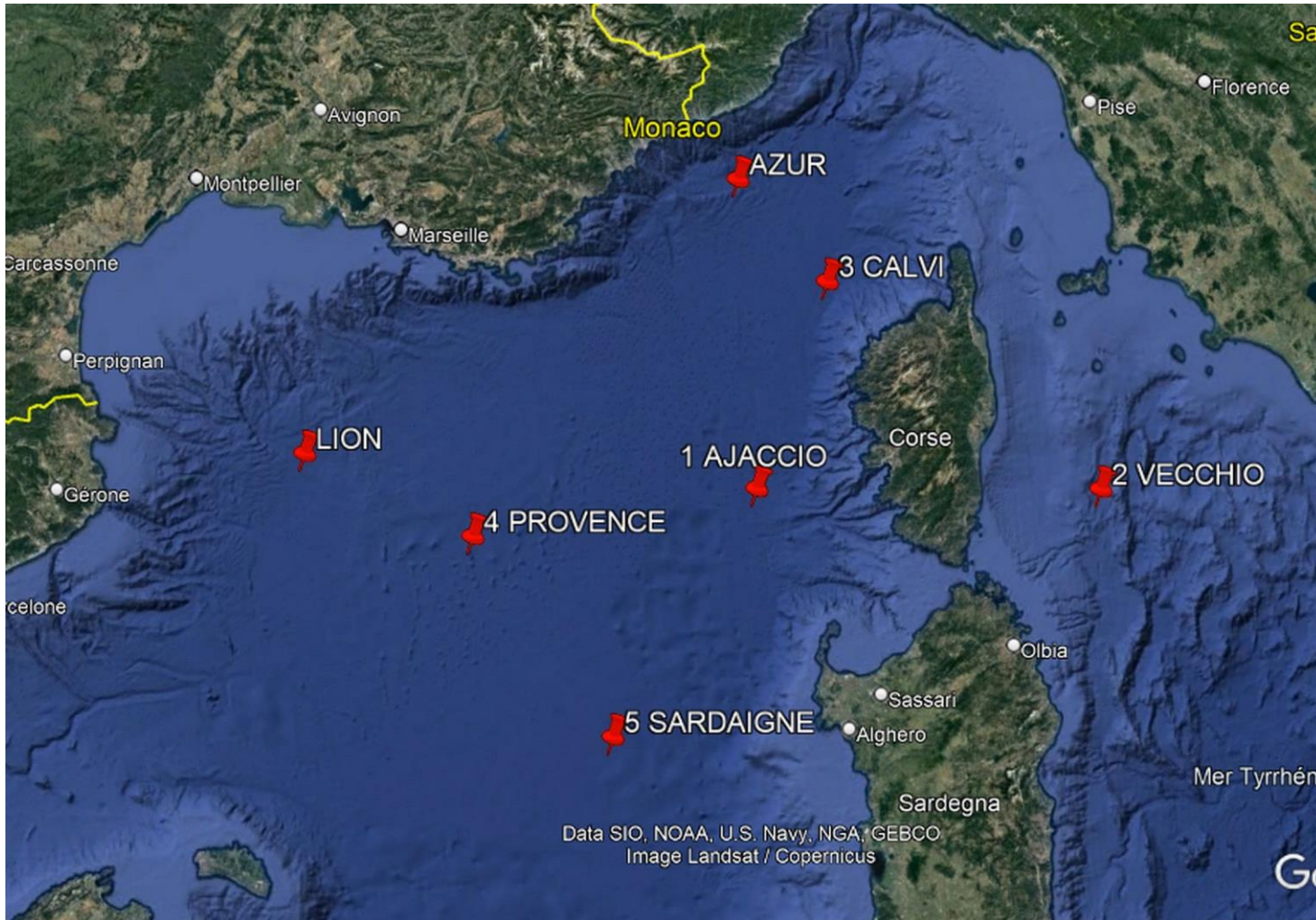
New MF buoys in the Mediterranean 2023/2024

Current network - 2022



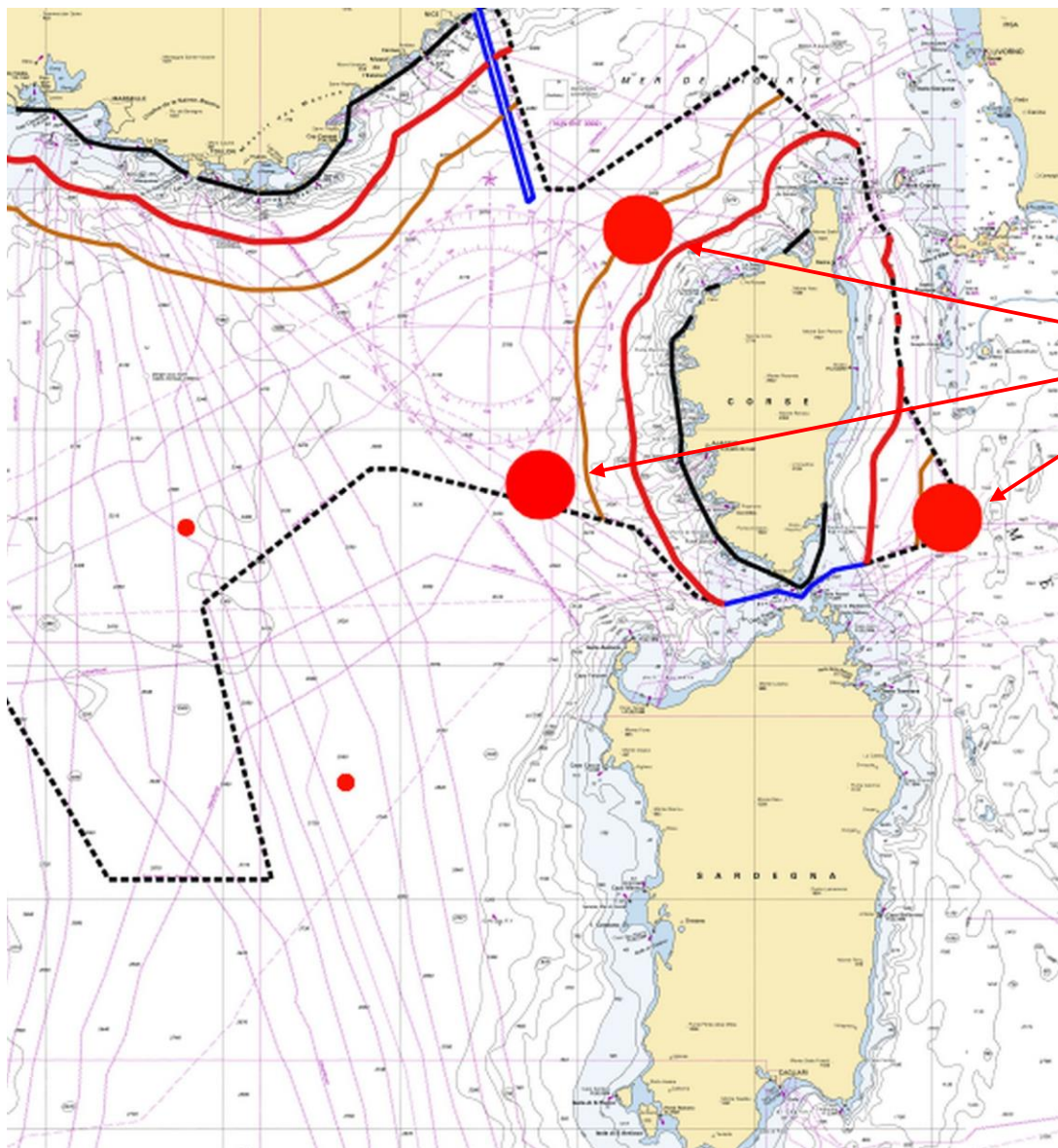
4 buoys operated by Météo France (Antilles, Gascogne, Lion, Azur).
Just 2 buoys in Mediterranean.

New MF buoys in the Mediterranean 2023/2024



Ajaccio 06/2023
Vecchio 2024
Calvi 2024
Provence 2024
Sardaigne 2024

New MF buoys in the Mediterranean 2023/2024



undefined
positions

EEZ in black

New MF buoys in the Mediterranean 2023/2024

Current network - 2022



Anchored Buoys
weight = 4T
height = 6m
Diameter = 2,7m

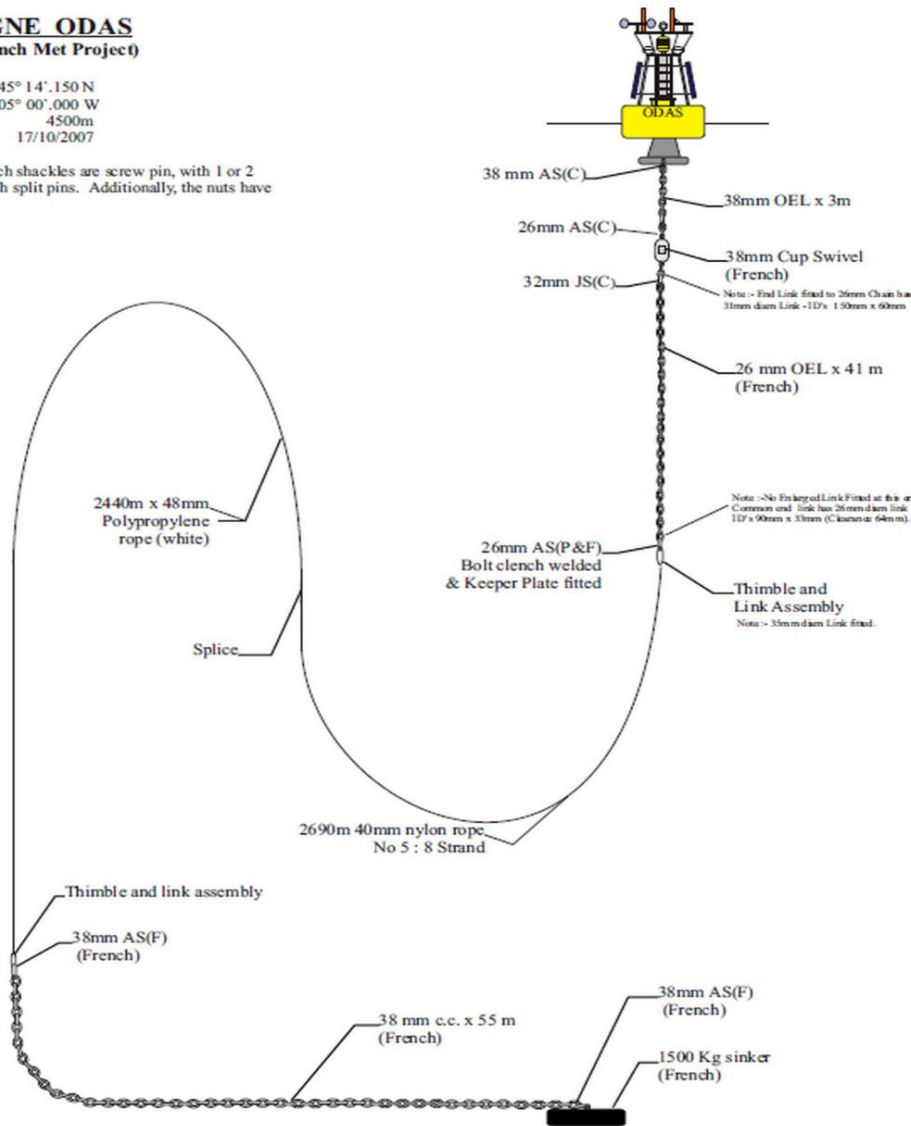
Depth of anchorage :
Azur : 2300 m
Lion : 2300 m
Antilles : 5400 m
Gascogne : 4500 m

New MF buoys in the Mediterranean 2023/2024

GASCOGNE ODAS (Joint UK/French Met Project)

Position:
Lat 45° 14' 150 N
Long 005° 00' 000 W
Depth 4500m
Drawing dated 17/10/2007

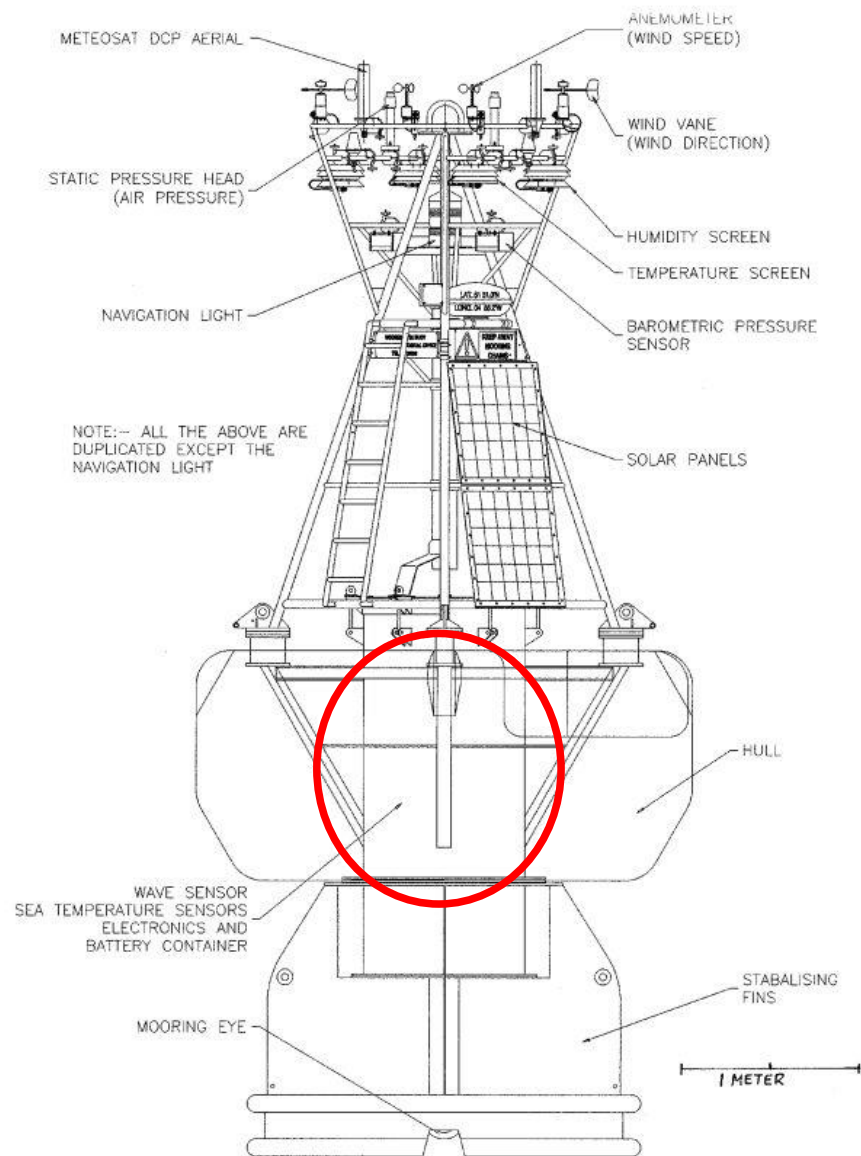
NOTE: All French shackles are screw pin, with 1 or 2 nuts, secured with split pins. Additionally, the nuts have been welded.



Box with anchor rope (nylon + polypropylène).
Size 6m x 2m x 1,6m, weight 6 Tonnes

Example of anchor rope : Gascogne, 4500m depth.

New MF buoys in the Mediterranean 2023/2024



Each buoy is equipped with two independent weather stations

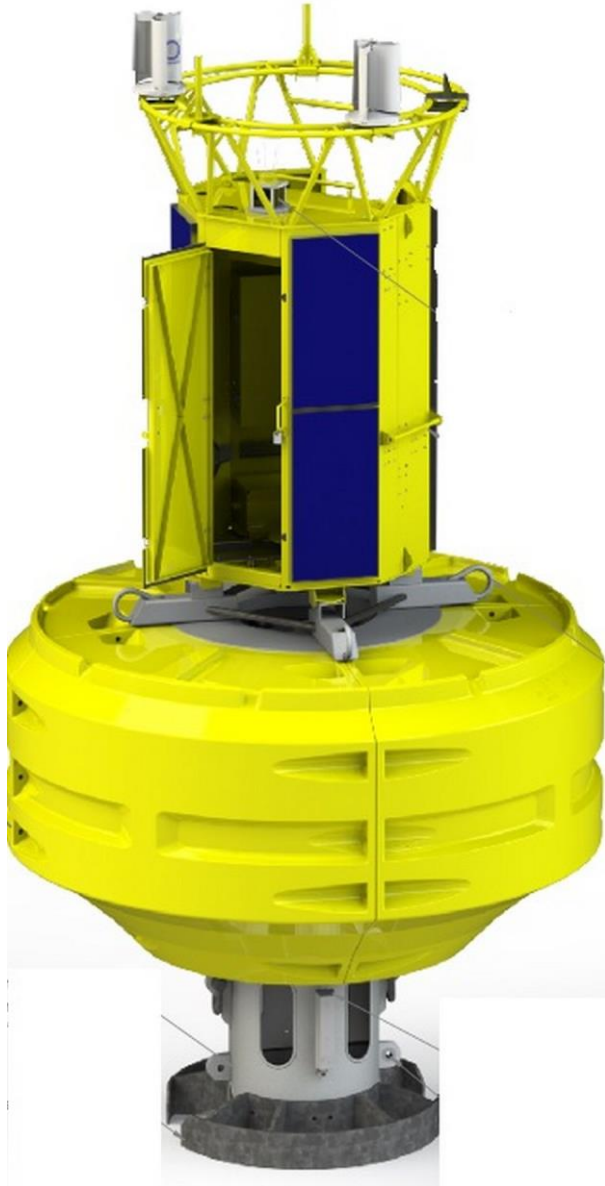
Wind, pressure, temperature, humidity... x 2

Not easy to repair on sea, must be brought ashore for maintenance, expensive in human time, money...

Non-recyclable foam in the hull.

Not transportable by container.

New MF buoys in the Mediterranean 2023/2024



Same sensors, same electronics, more solar panels, less batteries.

Ready for containers, recyclable, just changing superstructure on sea.

New MF buoys in the Mediterranean 2023/2024

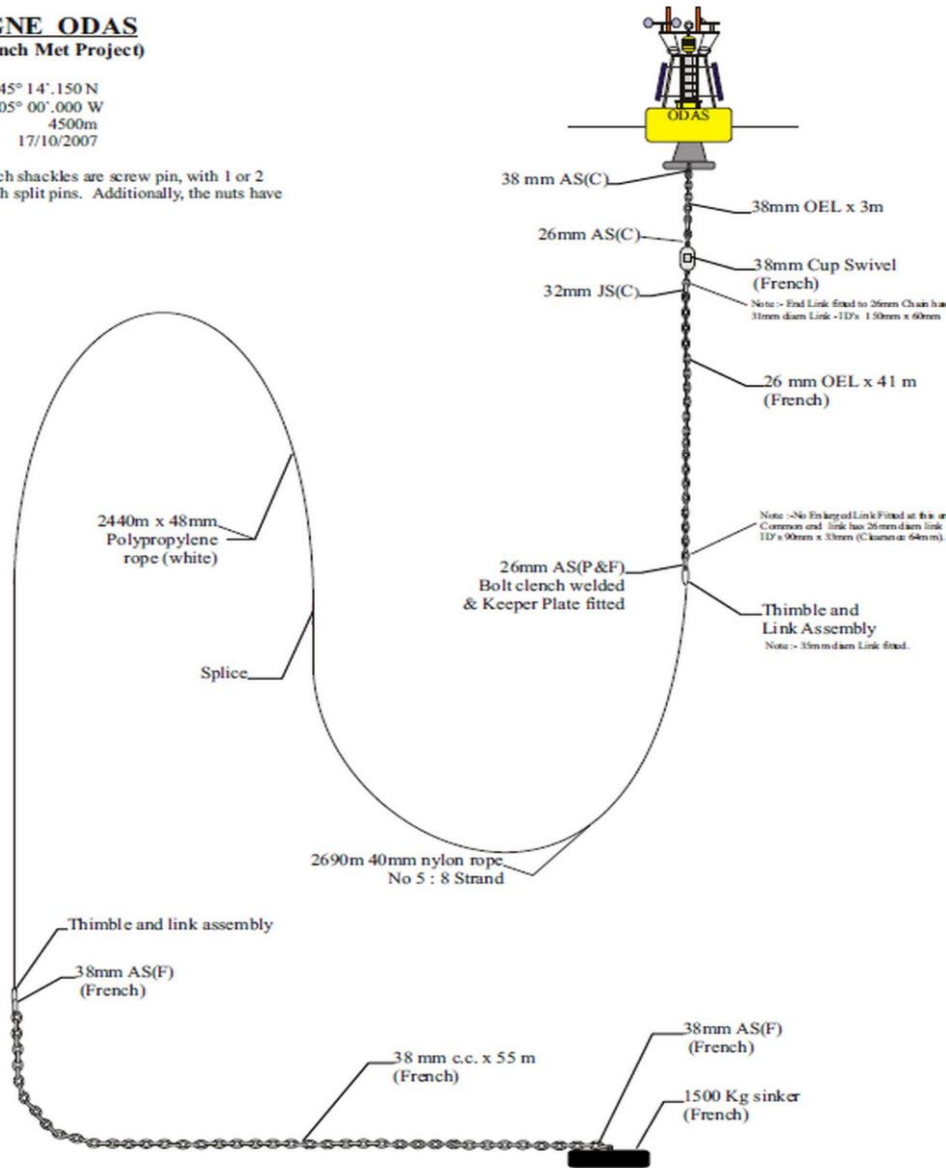
GASCOGNE ODAS

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Position:

Lat 45° 14' .150 N
Long 005° 00' .000 W
Depth 4500m
Drawing dated 17/10/2007

NOTE: All French shackles are screw pin, with 1 or 2 nuts, secured with split pins. Additionally, the nuts have been welded.



Historical rope : Nylon 40mm diam (sinks) + polypropylene 48 mm diam (floats), weight around 6 T, big wooden box.

New Rope ? : HMPE 24mm (Dyneema) , weight around 2 Tonnes, packaging : wooden drum.

Recover all the anchor rope in 8/10 years, we need to find a ship.

New MF buoys in the Mediterranean 2023/2024

Thank you for listening !