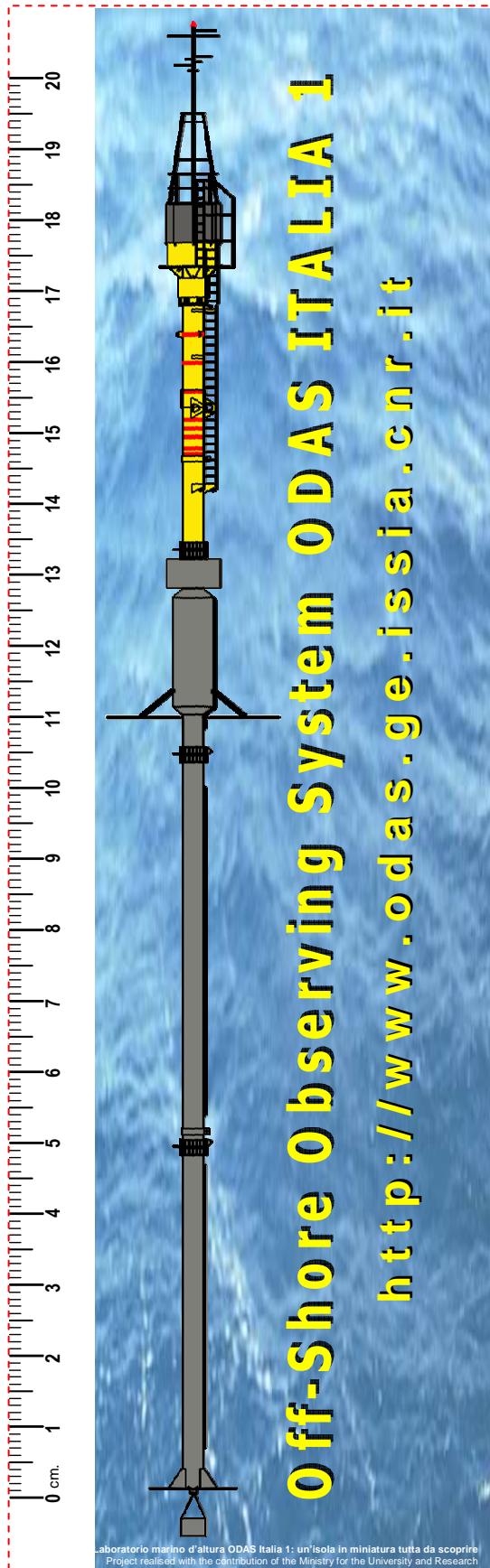




Print the page on a thin white pasteboard – Cut along the red dashed borders – Fold along the blue line



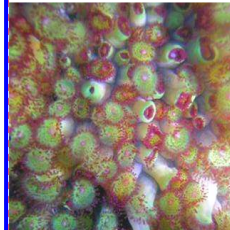
Laboratorio marino d'altura ODAS Italia 1: un'isola in miniatura tutta da scoprire
 Project realised with the contribution of the Ministry for the University and Research



Consiglio Nazionale delle Ricerche



Off-Shore Observing System ODAS Italia 1



The **ODAS ITALIA 1** buoy is a permanent **observing system** moored at the centre of the Ligurian Sea within the **Cetacean Sanctuary**.



Calm
 0 km/h
 0 m
 0

Moderate breeze
 20-29 km/h
 1 m
 1

Light air
 1-6 km/h
 0.1 m
 2

Light breeze
 7-11 km/h
 0.2 m
 3

Gentle breeze
 12-19 km/h
 0.6 m
 4

Fresh breeze
 30-39 km/h
 2 m
 5

Strong breeze
 40-50 km/h
 3 m
 6

Near gale
 51-62 km/h
 4 m
 7

Gale
 63-75 km/h
 5.5 m
 8

Strong gale
 76-87 km/h
 7 m
 9

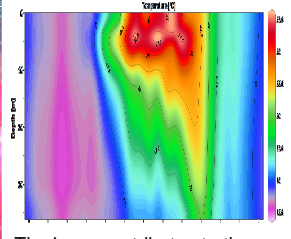
Storm
 88-102 km/h
 9 m
 10

Violent storm
 103-119 km/h
 11.5 m
 11

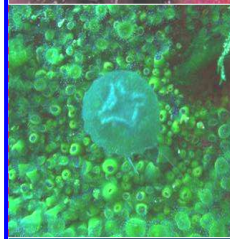
Hurricane
 >120 km/h
 > 14 m
 12



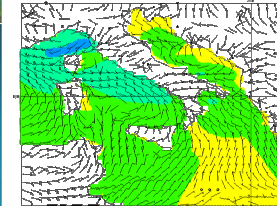
The buoy collects **meteorological and oceanographic** measurements that are transmitted to the control and receiving station ashore based in Genoa.



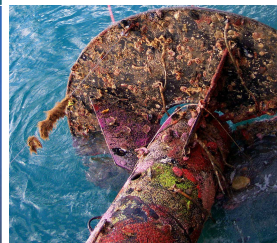
The buoy contributes to the development of new methods and tools for monitoring the ocean interior.



The buoy provides valuable information for the analysis and comprehension of the **sea status** and supports the development and tuning of **meteo-marine forecasting models**.



The buoy acts as a **fish aggregating device** and is inhabited by a variety of fishes and micro-organisms.



Technical Data

Length: 50 m
Weight: 12 tons (in air)
Latitude: 43° 47.36'N
Longitude: 009° 09.80'E
Depth: 1370 m

The **Beaufort wind force scale** is an empirical measure for describing wind intensity based mainly on observed sea conditions.

Description
 Wind speed
 Wave height
BEAUFORT SCALE