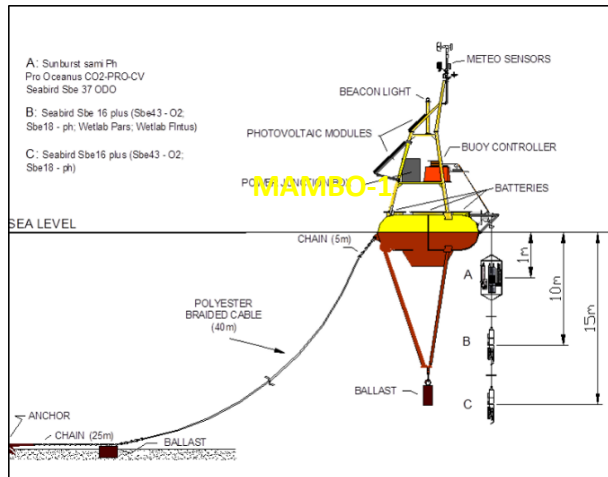


OCEANIC STATION

Name:	Miramare (IT-Mambo1)
Location (lat-long):	Adriatic Sea (Mediterranean Sea) 45.6977 – 13.7083 17 m water depth.
Environment:	coastal waters, Marine Protected Area
Operational history:	1999 – present (pCO ₂ and pH since 2013/2014)
Scientific purpose:	Improving the understanding of the seasonal and diel cycles of the marine ecosystem system in coastal areas under riverine influence. Temporal series of the carbonate system are important to understand the response of marine system, in a protected coastal area, to the increase of CO ₂ in the atmosphere and also to understand the role of the physical pump during the winter dense water formation occurring in the North Adriatic Sea.
Station description:	<p>The Gulf of Trieste, which lies in the northernmost part of the Adriatic, is under the influence of the Isonzo river and the inflow of southern waters from the Ionian basin with the eastern Adriatic Current. The MAMBO1 buoy is part of the Coastal marine observatory site Gulf of Trieste which is designed for long term monitoring of ecological and oceanographic processes in the northernmost part of the Adriatic Sea.</p> <p>The system includes the biological time-series station “C1”, which is part of the Italian Long Term Ecological Research network. The buoy is in the Marine Protected Area of Miramare.</p>
Measured ICOS core parameters:	Sea temperature, salinity, pCO ₂ , pH, dissolved oxygen.
Measured ICOS desirable parameters:	Atmospheric pressure, wind speed and direction, air temperature, chlorophyll-a.
Other measured parameters:	Relative humidity, sea temperature, salinity, dissolved oxygen at 10 m depth
Website/data portal:	http://nettuno.ogs.trieste.it/mambo/index_en.html
Responsible organization:	OGS Section of Oceanography
Principal investigator:	Michele Giani (mgiani@inogs.it)
Data manager:	Marina Lipizer (mlipizer@inogs.it)
Funding:	OGS, Trieste Italy Ministry of Education, Universities and Research, Italy

Instrumentation on the MAMBO-1 buoy



Miramare MAMBO-1 buoy



Miramare Marine Protected Area with MAMBO-1 buoy

