

Infrastructure (short name)	CNR-Marine Platforms and Laboratories (CNR-MPL)	
Installation (short name)	Genoa Marine Station (MPL Genoa)	
Location	Mediterranean Sea, Ligurian Sea, Genova harbour	
Coordinates	44°24' N 8°56' E	
Legal name of organization	Consiglio Nazionale delle Ricerche CNR	
Location of organization	Rome, Italy	
Contacts	Pierluigi Traverso, pierluigi.traverso@ge.ismar.cnr.it, Tel. +39 010 6475432 Marco Faimali, marco.faimali@ismar.cnr.it, Tel. +39 010 6475425 Institute of Marine Sciences, National Research Council (ISMAR CNR) Genoa Branch Via De Marini, 6 – IV p – 16149 – Genova – Italia Fax: +39 010 6475400	
Web site address	http://www.ismar.cnr.it/infrastructures/experimental-stations/experimental-marine-station-of-genoa	

Description
<p>This coastal station is placed inside the Genoa harbour, with the possibility of monitoring environmental and biological parameters. The building has an indoor surface of 100 sqm, available for pilot plants and services, a 30 KW electrical system, an internet connection (5 Mb/s), a drinkable water pipe and a natural seawater circuit powered by a pump which draws the water at a depth of 2,5 meters, with a 12 liters for minute flow.</p> <p>A floating wharf (8,30x2,40 meters), used for the static immersion (Raft-test) of samples, is anchored in the Harbour area in front of the marine station.</p> <p>A weather station measures air temperature, atmospheric pressure, relative humidity, solar irradiance, rain rate, wind speed and direction, dew point temperature and presence of wet film. Data are stored on a computer system and transmitted daily by wireless communication. These data are used for the ageing tests in marine atmosphere (following ISO 8565) performed by the CNR ISMAR staff, and are available to companies and other interested parties on demand.</p> <p>These structures allow the Institute and agencies or companies which make request to do several tests for material degradation behaviour and the antifouling technologies performance (efficacy and ecocompatibility) using natural seawater (corrosion resistance measurement, paint antifouling performance, biocide efficacy, biofilm development, microbial influenced corrosion (MIC), sensor performance, ballast water treatment, etc.) and to expose samples in standard conditions for ageing tests in marine atmosphere (coatings protective power evaluation, corrosion processes study, patinas monitoring, etc.).</p> <p>This experimental station belongs to MARS Network - The European Network of Marine Research Institutes and Stations (http://www.marsnetwork.org/).</p>
Service offered
The shore station in the harbour of Genoa is available 24 hour day for corrosion tests on

infrastructure materials and for the evaluation of the protective and antifouling performances of coatings using suitable devices for exposition in immersed or in atmospheric marine environment.

A support team formed by one young researcher and one head scientist will assist the user group, taking also care of installing/uninstalling operations. The station is on-land, so the user will have direct access. The data will be available to the user as soon as the user's experiment is completed.

Instruments/Sensors

The following instrumentation is installed at the station and data will be available to the JERICO users

Instrument	Measured Parameter(s)	Elevation/Depth	Sampling frequency	Frequency of data recovery
Weather station	air temperature, atmospheric pressure, relative humidity, solar irradiance, rain rate, wind (speed and direction), dew point temperature and presence of wet film	+ 5 m	5 min	5 min

Transmission: via internet connection

Special owner rules

The access to the harbour area is controlled by Genoa Harbour Authority whereas the access to Marine Station is regulated by the safety rules of CNR I.S.MAR.- U.O.S of Genoa.