



REGIONAL FOCUS
CENTRAL AND WESTERN MEDITERRANEAN

Ocean Infrastructures and Technology Development at CNR

Giuseppe Magnifico & Lorenza Evangelista

Office for Planning,
Central Management for the Support to Scientific Network and Infrastructures

giuseppe.magnifico@cnr.it

lorenza.evangelista@cnr.it

20th ERVO Annual meeting
June 12-14, 2018

University of Malta, Valletta Campus, Island of Malta

CNR SCIENTIFIC NETWORK

CNR is the largest Research Organization in Italy

- 7 Departments (Macro-Areas)
- 102 Research Institutes performing research activities and developing capabilities
- About 8.000 units of CNR personnel

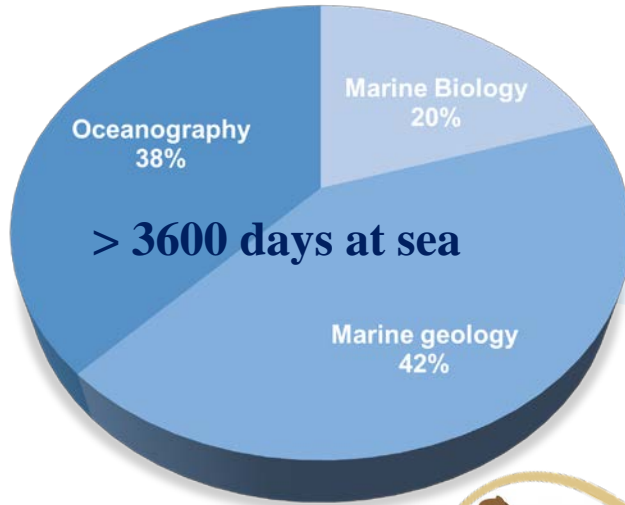
CNR “OFFICE FOR PLANNING”

Central Management for the Support to Scientific Network and Infrastructures

- It manages the main CNR oceanic research infrastructure
- It is in charge of the scheduling of the oceanographic surveys proposed by CNR researchers
- It coordinates the oceanographic observation system of Platforms, Buoys and long-term mooring stations
- It coordinates national and international cooperation with other organizations



MARINE SCIENCE @CNR .. over the last 10 years



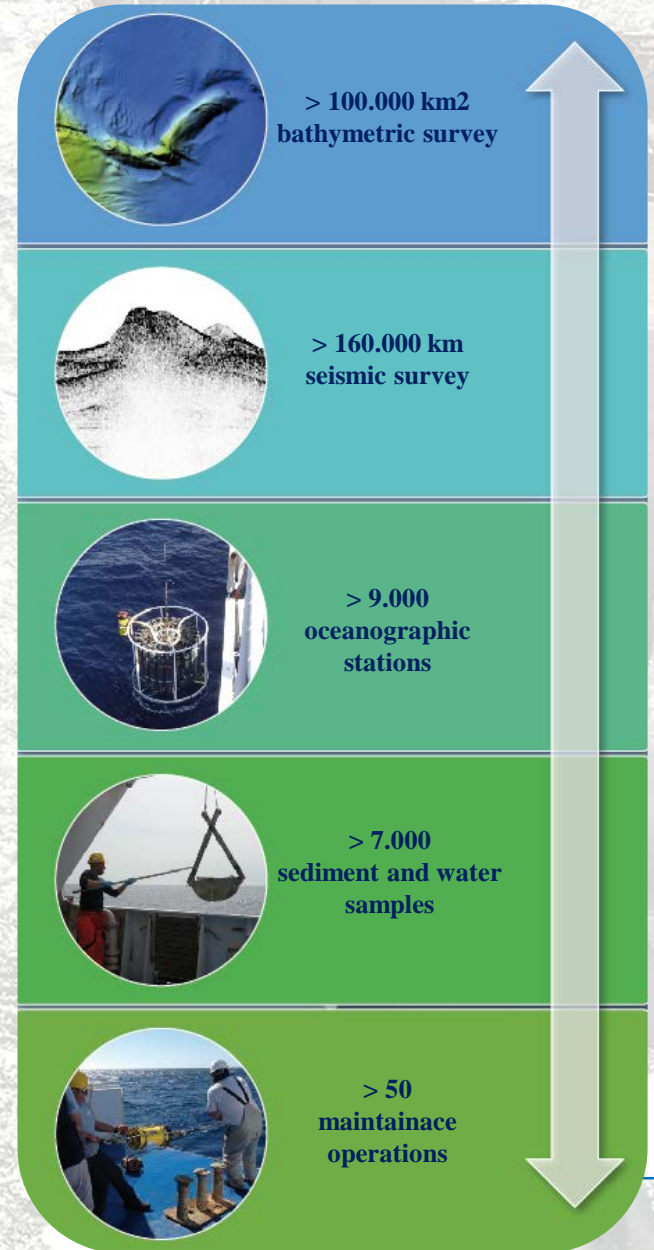
National and International Collaborations



> 50 M Euros funded projects



> 600 scientific papers



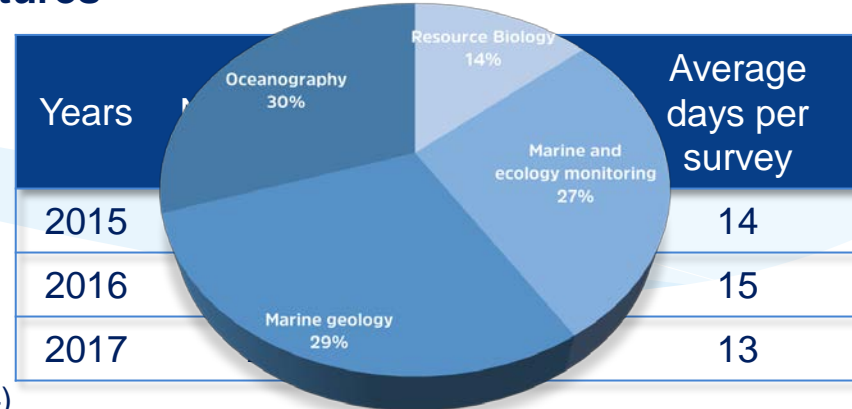
Main CNR Research Vessels ... until 2017

RV "MINERVA UNO"



Main Technical Features

- Category: **Regional**
- Tonnage: 624 GRT
- Length overall: 47.66 m
- Breadth: 9 m
- Full load Draft: 4.6 m
- Max speed: 12.5 kn
- Average speed: 10.8 kn
- Endurance: 30 days
- Crew: 9 people
- Scientists: 13 people
- Built year: 2003
(upgrading 2010 and 2014)

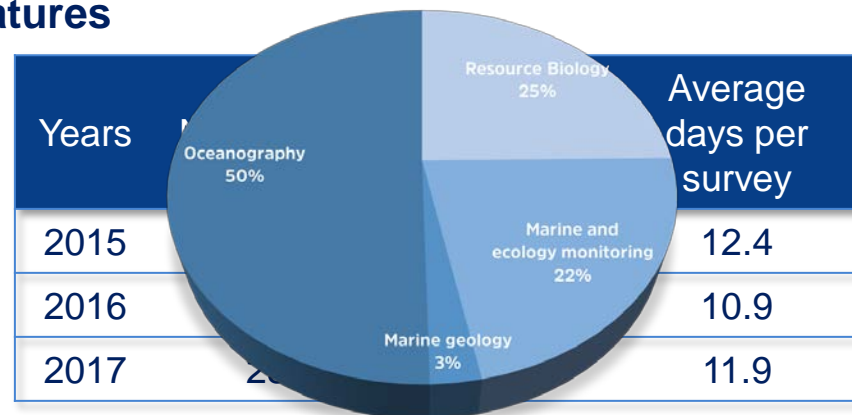


RV "G. DALLAPORTA"



Main Technical Features

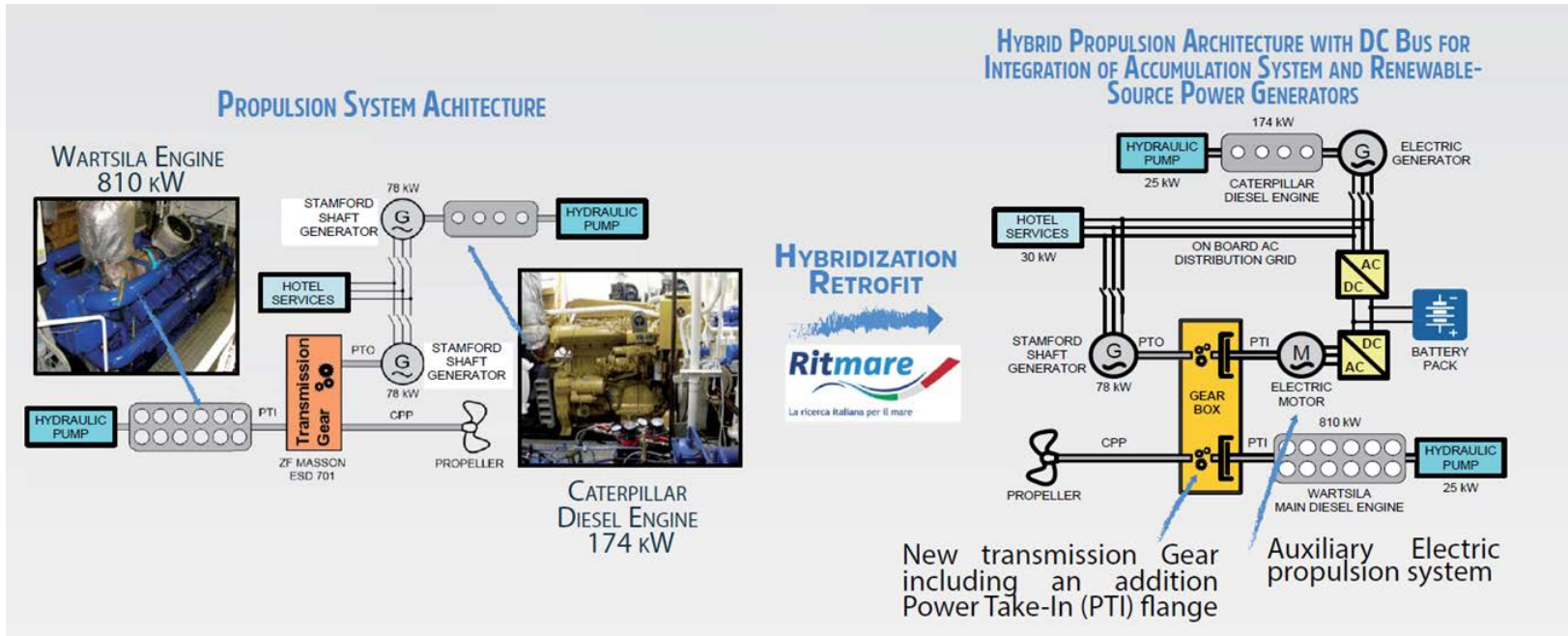
- Category: **Regional**
- Tonnage: 285 Tons
- Length overall: 35.3 m
- Breadth: 7.7 m
- Depth: 4.1 m
- Draft: 3.0 m
- Speed: 11,5 kn
- Drive system: 1100 CV
- Crew: 8 people
- Scientists: 12 people
- Built year: 2001



RV G. Dallaporta upgrade 2018

Hybrid propulsion architecture *(ref. Ottorino Veneri, veneri@cnr.it)*

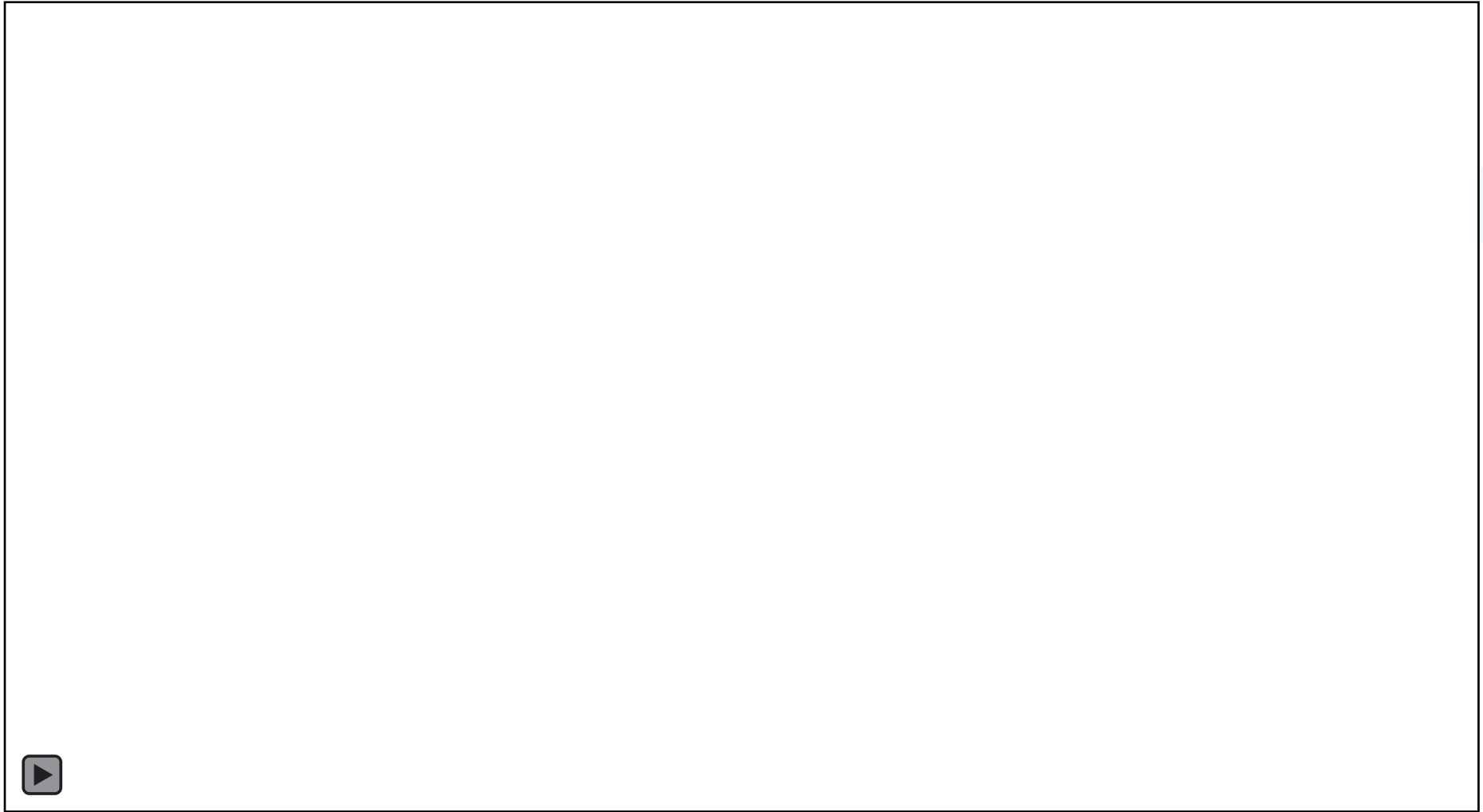
work scheduled: december 2017 – march 2018; ended : may 2018



Equipment upgrade

- ✓ Data I/O cable for real-time profiling, 1500 m length; external diameter 6.4 mm
- ✓ SBE32 CAROUSEL WATER SAMPLER (full size) electronics/release PYLON with Aluminum housing, 6800 meter, 12 bottle capacity
- ✓ Satellite internet connection

RV G Dallaporta / cruise programme 2018

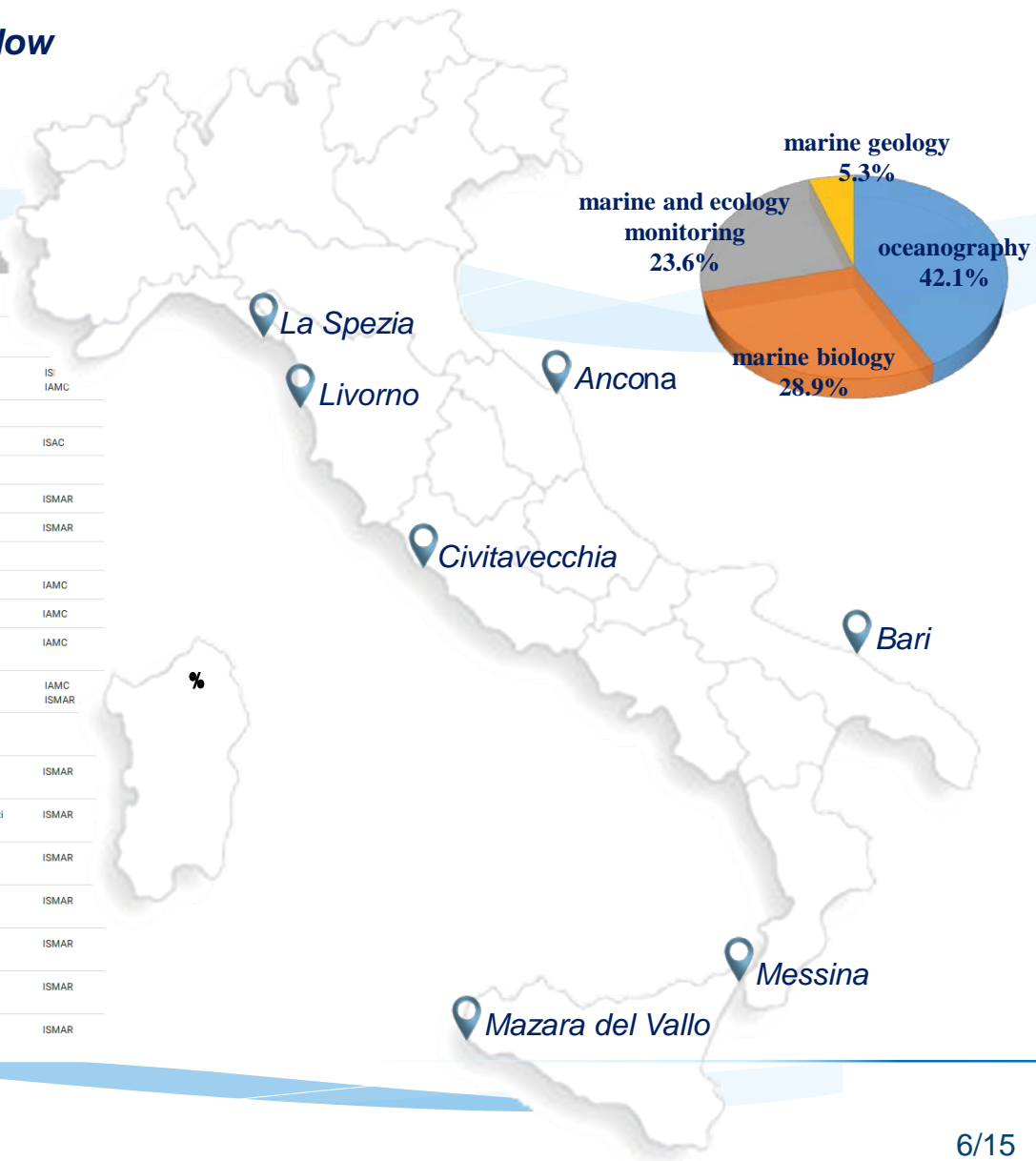


Cruise Programme 2018

Ship time scheduled:

- **11.5.2018 – 22.12.2018 time window**
- **# 22 scientific cruises**
- **226 days at sea**
- **10,3 average days for survey**

Porto di Partenza	Porto di Arrivo	Dal giorno	Al giorno	gg	Nome Campagna	Resp. Scie.	
Ancona	Bari	Venerdì 11 Maggio 2018	Domenica 13 Maggio 2018	3	Monitoraggio piattaforme offshore Trasferimento	Amelia De Lazzari	
Bari	Messina	Lunedì 14 Maggio 2018	Domenica 20 Maggio 2018	7	SEISMOFAULTS2018	Marco Cuffaro	
Messina	La Spezia	Venerdì 18 Maggio 2018	Domenica 3 Giugno 2018	12	JERICO I 2018 - PIATTAFORME2018	Mireno Borghini Alberto Ribotti	ISI IAMC
La Spezia	Livorno	Sabato 2 Giugno 2018	Domenica 3 Giugno 2018	2	Trasferimento		
Livorno	Civitavecchia	Lunedì 4 Giugno 2018	Giovedì 7 Giugno 2018	4	Calibrazione satellite	Rosalia Santoleri	ISAC
Civitavecchia	Ancona	Venerdì 8 Giugno 2018	Lunedì 11 Giugno 2018	4	Trasferimento		
Ancona	Ancona	Martedì 12 Giugno 2018	Giovedì 14 Giugno 2018	3	Monitoraggio piattaforme offshore	Amelia De Lazzari	ISMAR
Ancona	Ancona	Venerdì 15 Giugno 2018	Mercoledì 25 Luglio 2018	41	MEDIAS GSA 17 e GSA 18	Iole Leonori	ISMAR
Ancona	Mazara	Giovedì 26 Luglio 2018	Sabato 28 Luglio 2018	3	Trasferimento		
Mazara	Mazara	Domenica 29 Luglio 2018	Venerdì 17 Agosto 2018	20	ANCHEVA 2018	Gualtiero Basilone	IAMC
Mazara	Mazara	Sabato 18 Agosto 2018	Giovedì 6 Settembre 2018	20	Evatir 2018	Angelo Bonanno	IAMC
Mazara	Mazara	Venerdì 7 Settembre 2018	Mercoledì 19 Settembre 2018	13	BANSIC2018	Bernardo Patti	IAMC
Mazara	Messina	Giovedì 20 Settembre 2018	Lunedì 8 Ottobre 2018	19	Ichnussa2018 + JERICO II 2018	Alberto Ribotti Mireno Borghini	IAMC ISMAR
Messina	Ancona	Martedì 9 Ottobre 2018	Mercoledì 10 Ottobre 2018	2	Trasferimento		
Ancona	Ancona	Giovedì 11 Ottobre 2018	Domenica 14 Ottobre 2018	4	Monitoraggio piattaforme offshore	Amelia De Lazzari	ISMAR
Ancona	Ancona	Lunedì 15 Ottobre 2018	Venerdì 2 Novembre 2018	19	GUARCOS 2018 - ANOC18	Alessandro Lucchetti Federica Grilli	ISMAR
Ancona	Ancona	Sabato 3 Novembre 2018	Giovedì 15 Novembre 2018	13	Monitoraggio Pomo & I - UWTV Survey 2018	Michela Martinelli	ISMAR
Ancona	Ancona	Venerdì 16 Novembre 2018	Lunedì 19 Novembre 2018	4	ANOC18 - Monitoraggio piattaforme offshore	Federica Grilli Amelia De Lazzari	ISMAR
Ancona	Ancona	Martedì 20 Novembre 2018	Lunedì 10 Dicembre 2018	21	SOLEMON	Giuseppe Scarcella	ISMAR
Ancona	Ancona	Martedì 11 Dicembre 2018	Martedì 18 Dicembre 2018	8	EFFICIENTSHIP2018	Emilio Notti	ISMAR
Ancona	Ancona	Mercoledì 19 Dicembre 2018	Sabato 22 Dicembre 2018	4	ANOC18 - Monitoraggio piattaforme offshore	Federica Grilli Amelia De Lazzari	ISMAR



Cruise Programme 2018

Ship time scheduled:

- **11.5.2018 – 22.12.2018 time window**
- **# 22 scientific cruises**
- **226 days at sea**
- **10,3 average days for survey**

Porto di Partenza	Porto di Arrivo	Dal giorno	Al giorno	gg	Nome Campagna	Resp. Scientifico	Istituto
Ancona	Bari	Venerdì 11 Maggio 2018	Domenica 13 Maggio 2018	3	Monitoraggio piattaforme offshore Trasferimento	Amelia De Lazzari	ISMAR
Bari	Messina	Lunedì 14 Maggio 2018	Domenica 20 Maggio 2018	7	SEISMOFAULTS2018	Marco Cuffaro	IGAG
Messina	La Spezia	Venerdì 18 Maggio 2018	Domenica 3 Giugno 2018	12	JERICO I 2018 - PIATTAFORME2018	Mireno Borghini Alberto Ribotti	ISMAR IAMC
La Spezia	Livorno	Sabato 2 Giugno 2018	Domenica 3 Giugno 2018	2	Trasferimento		
Livorno	Civitavecchia	Lunedì 4 Giugno 2018	Giovedì 7 Giugno 2018	4	Calibrazione satellite	Rosalia Santoleri	ISAC
Civitavecchia	Ancona	Venerdì 8 Giugno 2018	Lunedì 11 Giugno 2018	4	Trasferimento		
Ancona	Ancona	Martedì 12 Giugno 2018	Giovedì 14 Giugno 2018	3	Monitoraggio piattaforme offshore	Amelia De Lazzari	ISMAR
Ancona	Ancona	Venerdì 15 Giugno 2018	Mercoledì 25 Luglio 2018	41	MEDIAS GSA 17 e GSA 18	Iole Leonori	ISMAR
Ancona	Mazara	Giovedì 26 Luglio 2018	Sabato 28 Luglio 2018	3	Trasferimento		
Mazara	Mazara	Domenica 29 Luglio 2018	Venerdì 17 Agosto 2018	20	ANCHEVA 2018	Gualtiero Basillone	IAMC
Mazara	Mazara	Sabato 18 Agosto 2018	Giovedì 6 Settembre 2018	20	Evair 2018	Angelo Bonanno	IAMC
Mazara	Mazara	Venerdì 7 Settembre 2018	Mercoledì 19 Settembre 2018	13	BANSIC2018	Bernardo Patti	IAMC
Mazara	Messina	Giovedì 20 Settembre 2018	Lunedì 8 Ottobre 2018	19	Ichnussa2018 + JERICO II 2018	Alberto Ribotti Mireno Borghini	IAMC ISMAR
Messina	Ancona	Martedì 9 Ottobre 2018	Mercoledì 10 Ottobre 2018	2	Trasferimento		
Ancona	Ancona	Giovedì 11 Ottobre 2018	Domenica 14 Ottobre 2018	4	Monitoraggio piattaforme offshore	Amelia De Lazzari	ISMAR
Ancona	Ancona	Lunedì 15 Ottobre 2018	Venerdì 2 Novembre 2018	19	GUARCOS 2018 - ANOC18	Alessandro Lucchetti FedERICA Grilli	ISMAR
Ancona	Ancona	Sabato 3 Novembre 2018	Giovedì 15 Novembre 2018	13	Monitoraggio Pomo & I-UWTV Survey 2018	Michela Martinelli	ISMAR
Ancona	Ancona	Venerdì 16 Novembre 2018	Lunedì 19 Novembre 2018	4	ANOC18 - Monitoraggio piattaforme offshore	Federica Grilli Amelia De Lazzari	ISMAR
Ancona	Ancona	Martedì 20 Novembre 2018	Lunedì 10 Dicembre 2018	21	SOLEMON	Giuseppe Scarcella	ISMAR
Ancona	Ancona	Martedì 11 Dicembre 2018	Martedì 18 Dicembre 2018	8	EFFICIENTSHIP2018	Emilio Notti	ISMAR
Ancona	Ancona	Mercoledì 19 Dicembre 2018	Sabato 22 Dicembre 2018	4	ANOC18 - Monitoraggio piattaforme offshore	Federica Grilli Amelia De Lazzari	ISMAR

Monitoraggio Pomo I-UWTV survey

Since the year 2015, some management measures have been implemented in the Pomo Pits area (Figure 1); for a proper assessment of the effectiveness of such measures on fisheries resources and on the ecosystem in general, periodic monitoring of the area is required.

Principal Investigator
Dr. Michela Martinelli
Institute of Oceanography
(CNR-ISMAR)



RV G. Dalla
category: Regional
gross register tonnage (GT): 285
length overall (m): 35.3
breadth (m): 7.7
depth (m): 4.1
draft (m): 3.0
service speed (kn): 11.5

Cruise Location
Northern-Corsica

Disciplines
Oceanography, Biology, Reservoir, Marine Ecology

Activities
Fisheries survey, Underwater

Main Equipment
SCANMAR system, CD Oceanography System (FO)

Scientific Institution
International Institute of Fisheries FAO-Adriatic Institute of Fisheries Ministry of and Forests

Office for Planning - Central Management for the Support to Scientific Network and Infrastructures - segreteria.usp@cnr.it

Office

Office for Planning - Central Management for the Support to Scientific Network and Infrastructures - segreteria.usp@cnr.it

JERICO 2018

Principal Investigators
Dr. Katrin Schroeder and
Dr. Mireno Borghini
Institute of Marine Science
(CNR-ISMAR)



RV G. Dallaporta
category: Regional
gross register tonnage (GT): 285
length overall (m): 35.3
breadth (m): 7.7
depth (m): 4.1
draft (m): 3.0
service speed (kn): 11.5

Cruise Location
Sicily Channel, Tyrrhenian Sea Corsica Channel Sardinia Sea

Disciplines
Oceanography

Activities
Water sampling, Pretreatment and analysis of water samples, Stations recovery, Sea placement

Main Equipment
Vertical Microstructure Profile6000, CTD 911 plus SBE, Winkler Oxygen Titration Lowered ADCP WH, Glider SLOCUM, ADCP 1200kHz

Scientific collaboration
Ministry for the Environment Institut National des Sciences et Technologies de la Mer Balearic Islands Coastal Observing and Forecasting System - SOCB Université Pierre et Marie Curie (Paris VI)

The general objective of these two cruises is to access, for scientific and maintenance purposes, the underwater observatories managed by ISMAR and located in the Canals of Sicily and Corsica (Figure 1). The activities are related to projects participated by the ISMAR team and linked to the European Research Infrastructures JERICO-RI and ENSO.

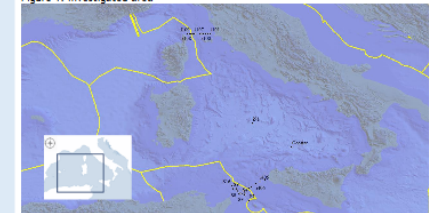
The cruise will be devoted to maintenance operations, inspecting the proper sensors functioning, and data recovering from the three observing systems. Moreover, additional measurements will be collected from the ship along sections crossing the fixed-point measuring systems.

These measures will help to frame the fixed-point observations in a broader view and provide a reference for their validation, because the instrumentation anchored in fixed point is not subject to regular check in a calibration laboratory. By supporting the acquisition of data time series, both in fixed position and in periodic transects, this cruise will allow us to carry on our research studies related to the climatic monitoring of the circulation in key areas of the Mediterranean Sea, in the framework of the CIESM HYDROCHANGES and MEDSHIP programs, and on the Mediterranean climate and its variability in the framework of the MedCLIVAR program.

The cruises are necessary for recovering and maintaining the instruments installed in the moorings, according to the autonomy of their batteries and data recovering needs. In addition, the Research Vessel will be used to allow the continuation of the 6-monthly monitoring of the transect between Sardinia and the Balearic Islands by means of a deep glider owned by CNR (missions SMART 2018).

For the interpretation of the turbulence data collected by the additional sensors installed by LOCEAN, direct microstructure measurements will be done by means of VMP casts in station nearby the mooring locations in the Sicily Channel.

Figure 1: Investigated area



Ferron, B., P. Bouruet Aubertot, Y. Cuypers, K. Schroeder, and M. Borghini (2017), How important are diapycnal mixing and geothermal heating for the deep circulation of the Western Mediterranean?, *Geophys. Res. Lett.*, 44, 7845-7854, doi:10.1002/2017GL074169

Schroeder K., J. Chiggiato, S. A. Josey, M. Borghini, S. Aracri, S. Sparnocchia, 2017, Rapid response to climate change in a marginal sea. *Scientific Reports* 7, 4065, doi:10.1038/s41598-017-04455-5.

Schroeder K., J. Chiggiato, H. L. Bryden, M. Borghini and S. Ben Ismail. Abrupt climate shift in the Western Mediterranean Sea. *Sci. Rep.* 6, 23009; doi: 10.1038/srep23009 (2016)

Office for Planning - Central Management for the Support to Scientific Network and Infrastructures - segreteria.usp@cnr.it

CNR MRI Web Portal Restyling

<https://www.cnr.it/it/campagne>

Consiglio Nazionale delle Ricerche

IT | EN 🔍

Scienze biomediche Chimica e tecnologia materiali
 Terra e ambiente Ingegneria, ICT, energia e trasporti
 Fisica e materia Scienze umane e patrimonio culturale
 Bio e agroalimentare

Cittadini Imprese Scuole Ricercatori Giornalisti Personale

[HOME](#) [CHI SIAMO](#) ▾ [ORGANIZZAZIONE](#) ▾ [ATTIVITÀ](#) ▾ [SERVIZI E UTILITÀ](#) ▾ [NEWS](#) [EVENTI](#)

Home / Attività / Campagne oceanografiche

- Accordi e Partnership
- Attività internazionale
- Partecipazioni Societarie
- Supporto alla rete scientifica
- Valorizzazione della ricerca
- Progetti di ricerca
- Campagne oceanografiche
- Calendario campagne oceanografiche
- Nave oceanografica Minerva UNO
- Nave oceanografica Dallaporta
- Storico Navi
- Piattaforma oceanografica Acqua Alta
- Boa meteo-oceanografica Odas Italia 1
- Altre navi italiane

Campagne oceanografiche

Vedi anche

- Infrastrutture marine e oceanografiche
- Storico navi

I mezzi navali del Cnr sono un bene strategico per i ricercatori dell'Ente e per la ricerca italiana: i risultati scientifici ottenuti grazie all'utilizzo di questi mezzi sono evidenti dal consistente numero di pubblicazioni scientifiche, dal numero di progetti europei svolti e dalle numerose collaborazioni internazionali e nazionali intraprese.

L'Ufficio Programmazione Operativa - Direzione Centrale Supporto alla Rete Scientifica e Infrastrutture garantisce l'operatività dei mezzi navali del Cnr coordinandone la gestione, gli interventi di manutenzione ordinaria e straordinaria necessari e curando, quando richiesti, l'ottenimento dei permessi nazionali e internazionali necessari alla realizzazione delle campagne oceanografiche.

L'Ufficio Programmazione Operativa è inoltre responsabile della stesura dei Calendari navi di ognuna delle unità operative a gestione centralizzata.

Le infrastrutture oceanografiche e marine di cui il Cnr dispone sono:

- Nave oceanografica 'Minerva Uno'
- Nave oceanografica 'Dallaporta'
- Piattaforma oceanografica 'Acqua Alta'
- Boa meteo-oceanografica 'Odas Italia 1'

Grazie alla qualificata rete di sinergie scientifiche attivate, il Cnr è in una posizione leader nel campo della ricerca marina a livello internazionale, fornendo un importante contributo al rilancio della politica marittima europea.

In Italia, presso altre istituzioni, sono presenti altre navi che contribuiscono alla ricerca scientifica.

Informazioni a cura di: Ufficio Programmazione Operativa - Direzione Centrale Supporto alla Rete Scientifica e Infrastrutture

Ultimo aggiornamento: 21/12/2017



Nave Dallaporta

Nave oceanografica Dallaporta

Storico Navi

Calendario campagne oceanografiche

L'operatività dei mezzi navali del Cnr, la gestione, gli interventi di manutenzione ordinaria e straordinaria necessari e l'ottenimento dei permessi necessari alla realizzazione delle campagne oceanografiche sono a cura dell'Ufficio Programmazione Operativa - Direzione Centrale Supporto alla Rete Scientifica e Infrastrutture, preposto anche alla stesura dei calendari di ognuna delle unità operative a gestione centralizzata.

La predisposizione annuale del calendario segue il processo di valutazione delle proposte di utilizzo del tempo nave inoltrate dalla comunità scientifica operante in ambito oceanografico, condotta in collaborazione con il Gruppo Istituzionale Navi (GIN) del Cnr. I ricercatori hanno la possibilità di visionare le liste dei referes utilizzati dal GIN per la valutazione. L'Ufficio, tenuto conto delle esigenze di carattere organizzativo e gestionale delle navi oceanografiche, predispone i calendari navi che, previo parere dello stesso GIN, vengono resi pubblici.

Per trasparenza i ricercatori hanno la possibilità di visionare presso la sede centrale - Ufficio Programmazione Operativa, le liste dei referes utilizzati dal GIN per la valutazione. E' inoltre possibile richiedere la scheda di valutazione delle proposte attraverso l'apposito modulo.

Calendario campagne:

ANNO	Dallaporta	Minerva Uno
2018	Leggi	
2017	Leggi	Leggi
2016	Leggi	Leggi
2015	Leggi	Leggi

Archivio calendario campagne 2007-2014:

ANNO	Urania	Thetis	Dallaporta	Maria Grazia	Minerva Uno
2014	Leggi	//////	Leggi	//////	Leggi
2013	Leggi	//////	Leggi	//////	Leggi
2012	Leggi	//////	Leggi	//////	//////
2011	Leggi	//////	Leggi	//////	//////
2010	Leggi	//////	Leggi	Leggi	//////
2009	Leggi	//////	Leggi	Leggi	//////
2008	Leggi	//////	Leggi	//////	//////
2007	Leggi	Leggi	Leggi	//////	//////

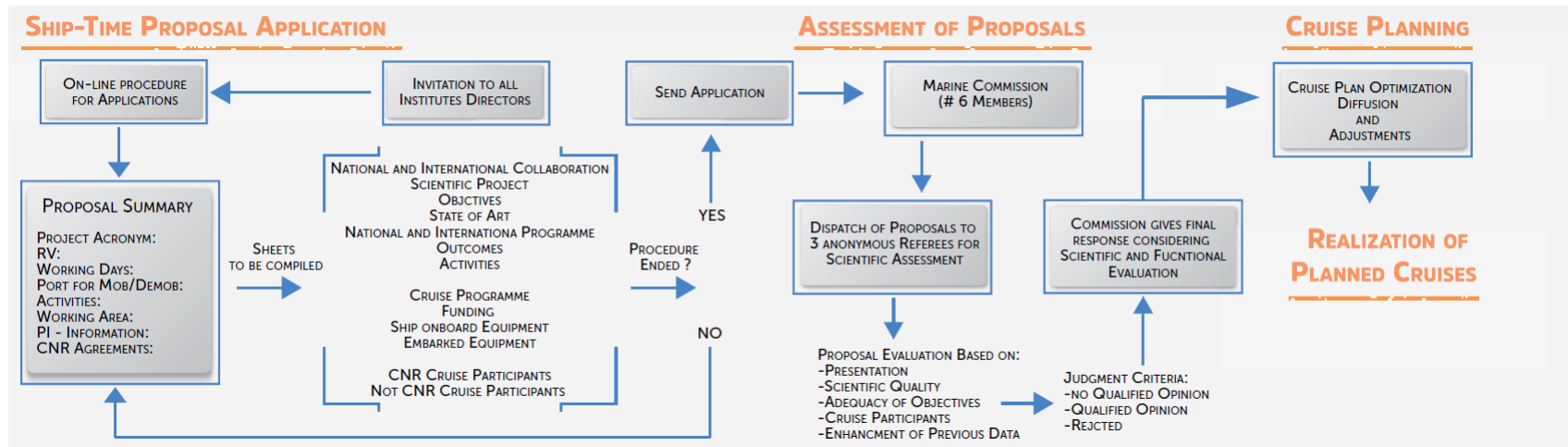
- Istituti
- Dipartimenti
- Aree della Ricerca
- Il CNR sul territorio

Marine Infrastructures Database (multimedia library)

➤ Annual ship schedule

➤ Ship-time application procedure

Ship-time application procedure



During November 2017, the CNR-Office for Planning has explored the features and characteristics of the Marine Facilities Planning System (<http://maas-se.nl/>) through:

- the study of informative brochure and presentations
- a webinar
- a test system with access to all modules of the administrator and scientist portals for a trial period.



TO BE IMPLEMENTED

ON-LINE APPLICATION FORM IN EN

ON-LINE DATABASES FOR:

- GEOGRAPHICAL COORDINATES OF SURVEYS (WEBGIS PLATFORM)
- FUNDING / NATIONAL AND INTERNATIONAL PROGRAMME (CONNECTION WITH CNR PROJECT MANAGEMENT TOOL)
- EMBARKED EQUIPMENT (OWNER AND TECHNICAL SPECIFICATIONS)
- NATIONAL AND INTERNATIONAL CRUISE PARTICIPANTS

INTERNAZIONALE SCIENTIFIC COMMITTEE

CRUISE SUMMARY REPORT AND CUSTOMER SATISFACTION ON-LINE DATABASES

SHARED META-DATA OF ALL CRUISES (OPENDATA APPROACH)

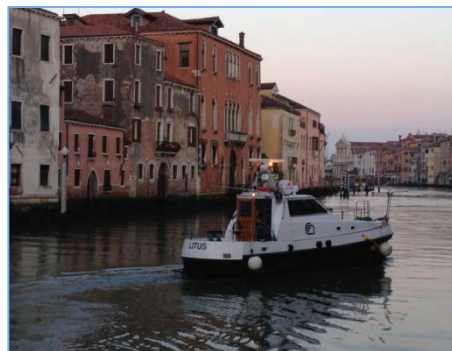
Local / Coastal Research Vessels

Name	Length	Operator	Operating area	Main activity
RV "Boreana"	10.00 m	ISMAR-CNR	Mediterranean Sea	Multiple activities
RV "Cerruti"	14.50 m	IAMC-CNR	Mediterranean Sea	Multiple activities
RV "Furetto"	10.00 m	IAMC-CNR	Mediterranean Sea	Multiple activities
RV "Litus"	10.20 m	ISMAR-CNR	Mediterranean Sea	Multiple activities
RV "Luigi Sanzo"	15.00 m	IAMC-CNR	Mediterranean Sea	Multiple activities
RV "Tecnopesca II"	16.30 m	ISMAR-CNR	Mediterranean Sea	Multiple activities
RV "Rosanna F"	28.45 m	IAMC-CNR	Mediterranean Sea	Multiple activities

RV "Luigi Sanzo"



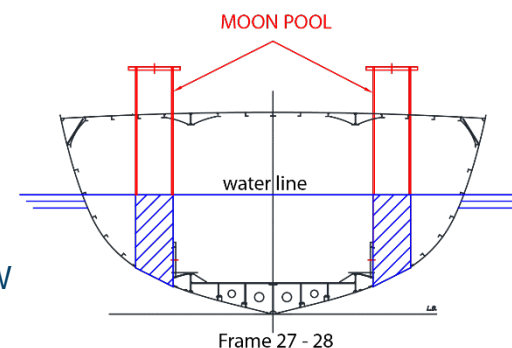
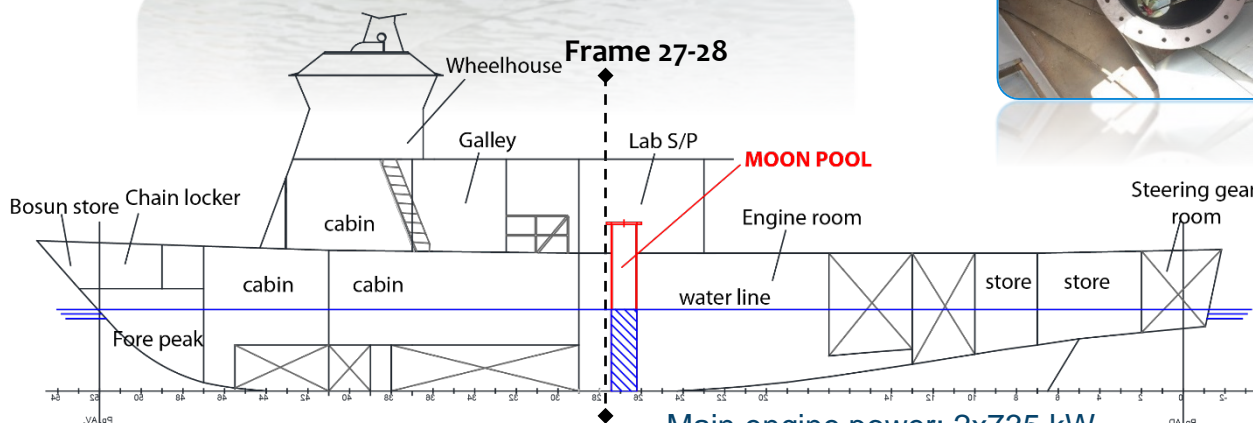
RV "Litus"



RV "Tecnopesca II"

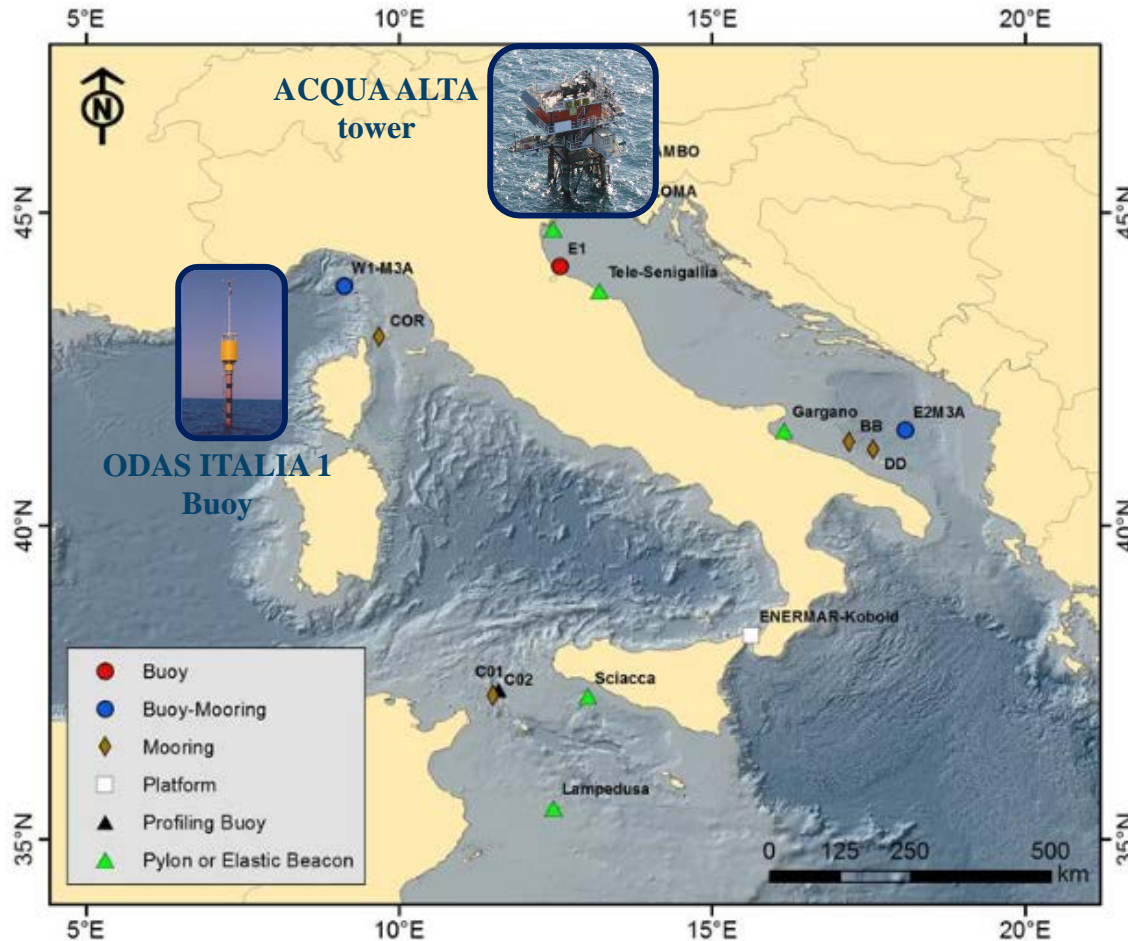


from fast cargo vessel to RV



Length: 28.45m
Breadth: 7.00m
Height: 3.20m
Draught: 1.90m
Payload: 40t

Main engine power: 2x735 kW
Auxiliary engine power: 1x200kW + 1x50kW
Speed: 16 kn
technical operators: 5 people
scientific operators: 8 people
A-frame: 5t SWL

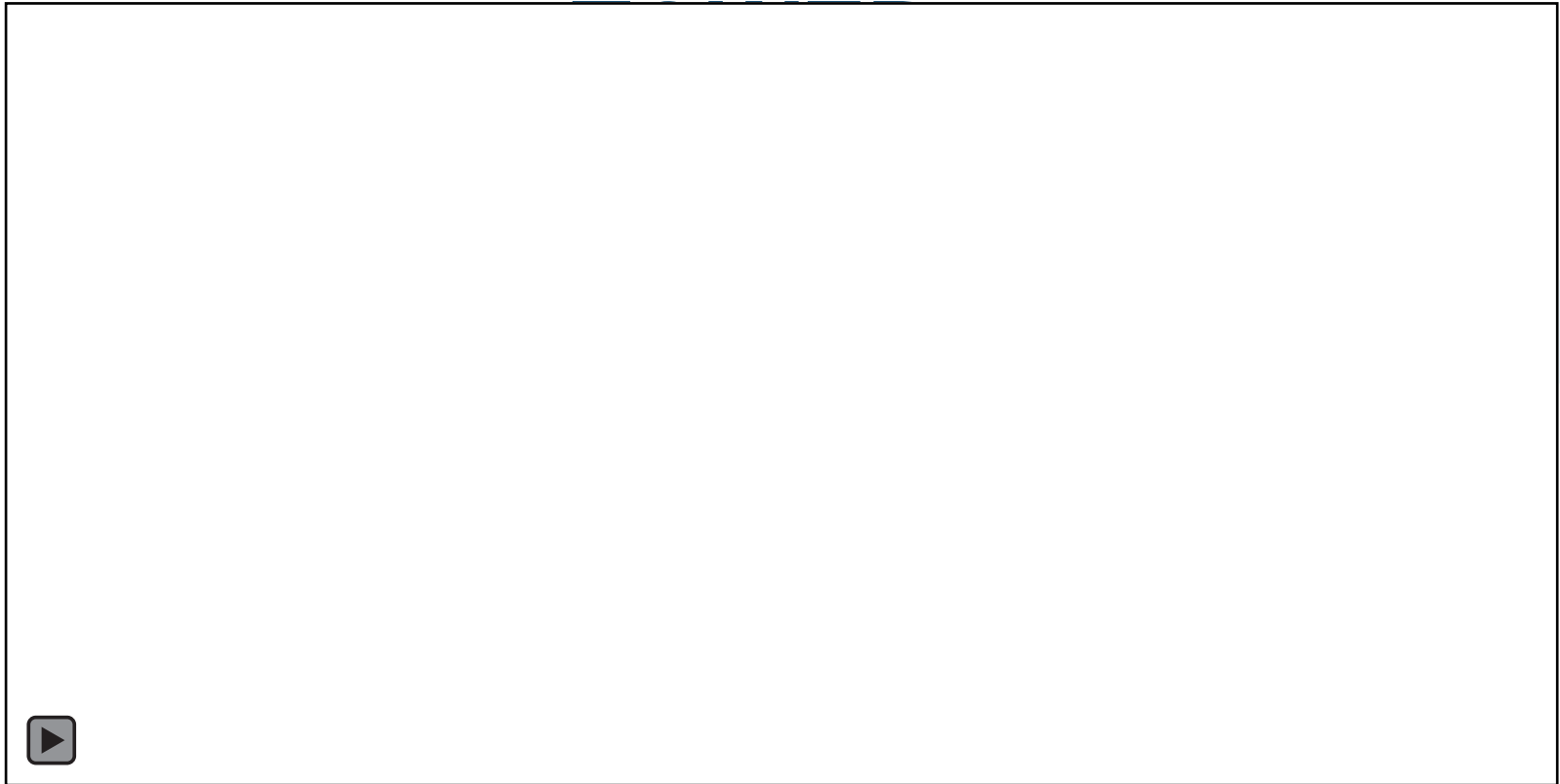


- Fixed buoys
- Re-deployable mooring station
- Repeated transects
- Fishery observing system
- Satellite
- Radar

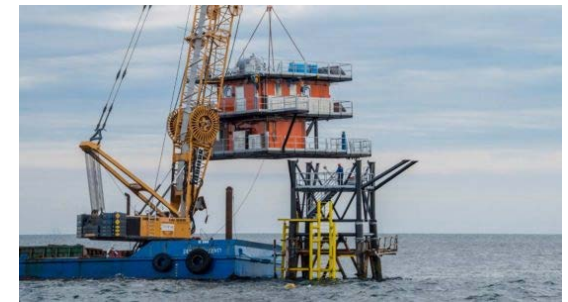
- Real time data transmission
- Interoperable data structures
- Long Term Ecological Research
- Modeling and forecast

The Italian Fixed-point Observatory Network (IFON) integrates well-established ocean infrastructures managed by various national research institutions (CNR, OGS, and ENEA)

“ACQUA ALTA” OCEANOGRAPHIC



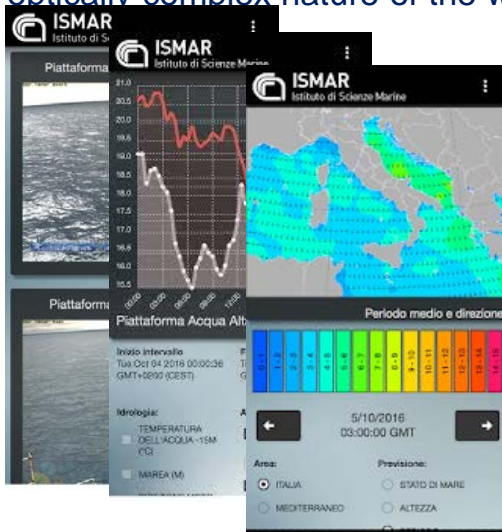
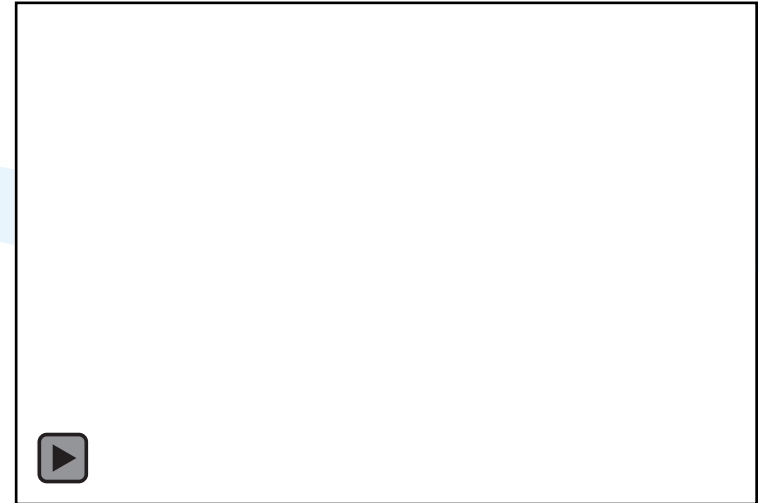
Originally installed in March 1970, after more than 40 years of scientific research activity, the Aqua Alta Oceanographic Tower is completing a renovation program, which envisages a reinforcement of the underwater structures and a thorough refurbishment of the superior structures and technological systems, including the elevation of the main decks by about +2.00m.



“ACQUA ALTA” OCEANOGRAPHIC TOWER

WASS (Waves Acquisition Stereo System) is an optimized stereo processing pipeline for sea waves 3D reconstruction as a joint-collaboration between Università Ca'Foscari di Venezia and CNR

WASS is an Open-Source stereo processing pipeline for sea waves 3D reconstruction. The tool completely automates all the steps required to estimate dense point clouds from stereo images. Namely, it computes the extrinsic parameters of the stereo rig so that no delicate calibration has to be performed on the field. It implements a fast 3D dense stereo reconstruction procedure based on the consolidated OpenCV library and, lastly, it includes set of filtering techniques both on the disparity map and the produced point cloud to remove the vast majority of erroneous points that can naturally arise while analyzing the optically complex nature of the water surface.



The Italian National Research Council is committed to the dissemination of the research activities within the scientific community and the general public, as demonstrated by the publication of the measured data in an OpenData perspective and by the release of the smartphone application “ISMAR-Data”.

BLUE MED project

The National Research Council of Italy (CNR) coordinates the H2020 BLUEMED project, leading a Consortium of 11 partners from 9 EU countries. The four-years action started in October 2016 and aims at supporting the BLUEMED Research and Innovation Initiative (<http://www.bluedmed-initiative.eu/>) for blue jobs and growth in the Mediterranean area, the policy framework of reference for developing the blue economy in the Basin. Activities are focused on updating, consolidating and implementing the BLUEMED Strategic Research and Innovation Agenda (SRIA) as a tool to promote cooperation among all relevant stakeholders towards a healthy, safe and productive Mediterranean Sea envisioned as a spot for innovation".

enVISIONing

A paradigmatic change towards a shared future in the Mediterranean area.

The geo-political complexity of the Mediterranean area, whose countries from three different continents strongly depend on blue activities, challenges the sustainability of the marine environment. Multiple stakeholders with diverse and often contrasting interests compete for the use of the same resource and space.

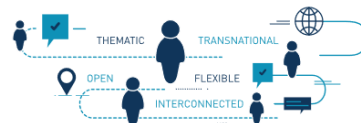
For ensuring a sustainable future, it is crucial to:

- ~ reduce the fragmentation and facilitating the cooperation between people;
- ~ engaging EU and non-EU countries;
- ~ coordinate planning and programming of relevant research and innovation activities;
- ~ connect research investments and public policies at regional, national, European, and Mediterranean level;
- ~ advocate public understanding of the value of the blue economy.

HOW

Identify needs of marine and maritime communities and align relevant programmes; increase the accessibility of opportunities for blue growth, funding and facilities for all stakeholders at all levels; develop joint actions.

THE BLUEMED PLATFORMS, WHERE SYNERGIES HAPPEN



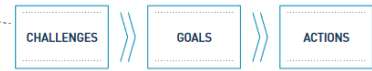
The platforms are operative fora where country representatives, the BLUEMED national pilots, meet and interact. They convey messages, address needs and priorities of their communities, ensuring broad consultation and constant dialogue at national and Mediterranean level. Thus maintaining and further developing virtuous relationships among research, industry, policy, and society, and with the environment.



MISSION

Designing a shared research and innovation pattern fostering the blue growth in the Mediterranean area, the BLUEMED Strategic Research and Innovation Agenda (SRIA).

The BLUEMED SRIA is a living document resulting from a consultation process at national level, open to inputs emerging from the debate within the marine and maritime community in all countries. It aims to identify, highlight and address strategic priorities of societal relevance in the Mediterranean area.



The BLUEMED SRIA targets relevant research and innovation players and public and private stakeholders.

COORDINATION AND SUPPORT ACTION FOR THE BLUEMED INITIATIVE

The BLUEMED project supports the implementation of the BLUEMED Initiative with the following actions:

- ~ 1 SRIA consolidated through cooperation;
- ~ 1 Implementation Plan sketching economy driven blue growth trajectories;
- ~ 4 Platforms on knowledge, economy, technology, and policy;
- ~ 1 Operational Network of Research & Innovation funders and committers;
- ~ 3 to 5 Start-up actions;
- ~ n+1 people in the Community;
- ~ n+1 relevant projects and initiatives connected;
- ~ 5 Ambassadors.



WHEN

- May 2014 BLUEMED Initiative set-up in the framework of the EU Blue Growth Strategy
- December 2014 BLUEMED Vision Document endorsed at the Competitiveness Council
- October 2015 Venice declaration launching the BLUEMED SRIA
- November 2015 Union for Mediterranean Declaration on the blue economy adopted, non-EU countries invited to join the BLUEMED Initiative
- October 2016 BLUEMED Coordination and Support Action begins to support the BLUEMED Initiative
- April 2017 BLUEMED high level conference "A Basin of Research and Innovation for sustainable growth". First update of the BLUEMED SRIA
- May 2017 Valletta Declaration on strengthening Euro-Mediterranean cooperation through Research and Innovation
- February 2018 Group of Senior Officials BLUEMED Working Group established as initiative's steering body
- July 2019 Research Infrastructures Roadmap, Data Policies and Accessibility Plan and Blue Careers Plan
- September 2020 Implementation Plan

http://www.bluedmed-initiative.eu/wp-content/uploads/2018/05/Bluedmed_Brochure_ENG.pdf



REGIONAL FOCUS
CENTRAL AND WESTERN MEDITERRANEAN

Thank you for the attention !