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EMBRC-IT

1° Access Call Service List



EMBRC
EUROPEAN
MARINE
BIOLOGICAL
RESOURCE
CENTRE

Italy

SERVICE CATEGORIES LEGENDA



ACCESS TO ECOSYSTEMS



BIOLOGICAL RESOURCES



EXPERIMENTAL FACILITIES



TECHNOLOGY PLATFORMS



E-SERVICES



SUPPORTING FACILITIES





EMBRC-IT Operators of the 1° Access Call – Informations and Services

Stazione Zoologica Anton Dohrn




SZN

Napoli







Villa Comunale, 80121, Napoli

Webpage: <https://www.szn.it/index.php/it/>

Local Access Officer: Giorgio Maria Vingiani; giorgio.vingiani@szn.it

CATEGORY	SUBCATEGORY	SERVICE
	Coastal research vessels	Access to Coastal research vessels (M/B Phoenicia 10m; Oceanographic Boat "Vettoria" 15m) in the Gulf of Napoli; on request collection of planktonic organisms through screenings or samples from Niskin bottles, of benthic organisms with dredging, coring, grab or scuba diving and acquisition of images and films in immersion are available.
	Organisms collected in the wild	Collection and rearing of marine model organisms (ascidians, sea urchin, starfish, sea turtles, etc.) from the Gulf of Napoli
	Taxonomic services	The Marine Organism Taxonomy (MOTax) Unit is a specialized counselling centre which exploits advanced resources, skills and expertise that are available today at the SZN for the taxonomy and identification of various groups of marine organisms providing qualitative and quantitative analysis of phytoplankton, zooplankton and benthos samples with



		morphological and molecular characterization
	Wet laboratories	Medical treatment of wounded sea turtles (<i>Caretta caretta</i>); veterinary research, post-mortem examination, nesting at the Marine Turtles Research Centre Portici
	Bioassays	Access to the screening platform for the bioactive compounds' isolation (antimicrobials, anticancers, antibiofilms)
	Imaging	The Advanced Microscopy Centre (AMC) provides the necessary skills to the application of optical microscopy and conventional fluorescence techniques (epifluorescence or confocal).
	Molecular biology and omics	The Molecular Sequencing & Analysis Center (SMAC) offers services, training and consulting in the field of Molecular Biology, from the execution of complex procedures to specific consultancy and development services and on-demand protocols.
	Structural and chemical analysis	Access to mass spectrometry facility for early-stage molecule dereplication
	Data analysis tools and software	Access to The High-Performance Computing and Bioinformatics platform, implementing bioinformatic dedicated services and training. Service offered are aimed to testing and offering dedicated strategies and resources, databases, scientific computational platforms for marine genomics.



Consiglio Nazionale delle Ricerche - Istituto di Scienze Marine





CNR-ISMAR

Venezia

Arsenale - Tesa 104, Castello 2737/F, 30122, Venezia

Webpage: http://www.ismar.cnr.it/index_html-1?set_language=en&cl=en

Local Access Officer: Lucia Bongiorni; lucia.bongiorni@ve.ismar.cnr.it

CATEGORY	SUBCATEGORY	SERVICE
	Coastal research vessels	Access/ sampling in the Venice lagoon and nearby marine coastal sites (sampling of water, sediment, phyto, zooplankton, benthos, microplastic debris)
	Organisms collected in the wild	Collection of benthic model organisms (Ciona, mussels, oysters, anemones, polychaetes etc.) and macroalgae from the Venice lagoon and nearby marine coastal waters
	Remote sensing and telemetry	Access to Aqua Alta offshore oceanographic tower equipped with meteorological and hydrographic sensors, wet lab, underwater videocameras and available to install sensors/automatic samplers
	Bioassays	Access to ecotoxicology, chemistry labs (for genotoxicity, biochemical, cellular, histochemical and physiological biomarkers, histological and metal /organics for bioaccumulation analyses)



Consiglio Nazionale delle Ricerche - Istituto per le Risorse Biologiche e le Biotecnologie Marine






CNR-IRBIM

Messina, Lesina

Messina Institute: Spianata San Raineri n. 86, 98122 Messina
Lesina Institute: Via Pola 4, 71010 Lesina

Webpage: <https://www.irbim.cnr.it/en/>

Local Access Officers: Anna Perdichizzi (Messina), Antonietta Specchiulli (Lesina); anna.perdichizzi@cnr.it, antonietta.specchiulli@cnr.it

CATEGORY	SUBCATEGORY	SERVICE
LESINA		
	Coastal research vessels	Access and sampling of intertidal areas of the Lesina lagoon (small aluminium boat for lagoon waters, 4 m)
	Organisms collected in the wild	Collect and supply of fauna specimens in Lesina lagoon
	Remote sensing and telemetry	Access to inshore stations of intertidal areas of the Lesina lagoon
	Structural and chemical analysis	Environmental analysis of nutrients, chlorophyll a, Dissolved Organic Carbon and its chromophoric fraction
MESSINA		
	Organisms collected in the wild	Collect and supply of bony fishes, cephalopods, crustaceans, and elasmobranchs from GSA10



Consiglio Nazionale delle Ricerche - Istituto di Ricerca sulle Acque

CNR – IRSA





Verbania, Taranto

Verbania Institute: Corso Tonolli n. 50, 28922, Pallanza

Taranto Institute: Via Roma n. 3, 74123, Taranto

Webpage: https://www.irsa.cnr.it/wp/?page_id=807&lang=en

Local Access Officer: Antonella Petrocelli; antonella.petrocelli@irsa.cnr.it

CATEGORY	SUBCATEGORY	SERVICE
VERBANIA		
	Taxonomic services	DNA taxonomy, statistics
	Data sets	Access to the dataset on animals found in subterranean waters
TARANTO		
	Coastal research vessels	Access and sampling in the Mar Piccolo of Taranto, Ionian Sea transitional site (sampling of water, sediment, phyto, zooplankton, benthos) on the boat Gerax-Vorax
	Taxonomic services	Access to the Herbarium TAR for observation and loan



Consiglio Nazionale delle Ricerche - Istituto di Scienze Polari

CNR – ISP

Roma, Venezia, Messina, Bologna

Bologna Institute: Via P. Gobetti, 101 - 40129 Bologna

Roma Institute: Via Salaria km 29,300, 00015, Montelibretti




Messina Institute: Via S. Raineri n.86, 98122, Messina

Venezia Institute: Via Torino n.155, 30172 Mestre






Webpage: <https://www.isp.cnr.it/index.php/en/>

Local Access Officers: Stefano Miserocchi (Bologna), Francesca Spataro (Roma), Maurizio Azzaro (Messina), Giulio Cozzi (Venezia);






stafano.miserocchi@cnr.it, francesca.spataro@cnr.it,
maurizio.azzaro@cnr.it, giulio.cozzi@cnr.it

CATEGORY	SUBCATEGORY	SERVICE
ROMA		
	Taxonomic services	Taxonomic fingerprint of main microbial groups (Gram positive, Gram-negative bacteria and Fungi)
	Wet laboratories	Microcosms - Lab-scale experiments using synthetic and real environmental matrices to evaluate the persistence of pollutants (half-life time - DT50), their bioaccumulation, and the effects on microbial communities or specific target organisms (ecotoxicological test)
	Structural and chemical analysis	Access to structural and chemical analysis labs of ISP-ROMA, including: CLPP microbiology lab for evaluation of the structure and metabolic properties of natural





		microbial communities in relation to contamination data; MICROCHEM facility for the determination of legacy and emerging organic contaminants in environmental matrices and the assessment of environmental risk associated with contamination data measured in situ at polar areas and mid- latitudes
VENEZIA		
	Wet laboratories	Access to Ultra-Clean Labs.
	Structural and chemical analysis	Access to lab for environmental analytical chemistry and micro/nano plastics characterisation
MESSINA		
	Culture collections	Access to the Culture Collection of Microorganisms from Cryoenvironments – MICR(Y)O, including microbial strains, mainly bacteria, isolated from different environmental sources in the Arctic and Antarctica.
	Taxonomic services	Access to taxonomic services of bacteria from extreme environments, microbial communities and bacterial isolates provided from users.
	Aquaria and tanks	Tanks available for manipulative experiments on arctic marine invertebrates. Climate controlled room with experimental seawater tanks for maintenance and experiments on marine organisms,



		microcosms, in Ny-Ålesund (Svalbard, Norway)
	Climate controlled rooms	Access to Facility for controlled microorganisms' cultivation, including incubator vessels at high pressure, environmental remediation technologies testing (e.g. bioremediation and sediment remediation), laboratory for cultivation of aerobic microbial communities, screening of bacterial isolates for their antibiotic susceptibility and enzymatic profiles, plastic-associated microbiota (plastisphere) structural and functional characterization.
	Bioassays	Access to facility for microbial enzymatic activities testing (leucin aminopeptidase, beta-glucosidase and alkaline phosphatase); Respiratory (ETS) activity, Carbon substrates utilization profiles (Biolog Ecoplates)
	Molecular biology and omics	Cultivation and genomic analysis of microorganisms isolated from extreme environments
	Remote sensing and telemetry	Polar acoustic measurements for maritime traffic and marine megafauna assessment
BOLOGNA		
	Remote sensing and telemetry	Access to Oceanographic parameters of marine observatory in Kongsfjorden, Svalbard Island



	Structural and chemical analysis	Analyses on organic tissues and sediments: CHN Elemental composition, delta13C, delta 15N, organic matter tracers
	Data sets	MDI Oceanographic Mooring and Climate change Tower Datasets from the Kongsfjorden area (Svalbard)

Politecnico di Bari (Consorzio Nazionale Interuniversitario per le Scienze del Mare)


CONISMA - POLIBA

Bari

Area Universitaria di Valenzano S.P. Valenzano Casamassima, Km.3, 70010, Valenzano

Webpage: <http://www.en.poliba.it/research/coastal-engineering-laboratory-lic>

Local Access Officer: Michele Mossa; m.mossa@poliba.it

CATEGORY	SUBCATEGORY	SERVICE
	Remote sensing and telemetry	Access to the POLIBA Laboratory of Coastal Engineering (LIC) equipped with multiple 90x50x1,20 meters tanks and sensors equipped for physical modeling of coastal and offshore phenomena.



Università di Camerino (Consorzio Nazionale Interuniversitario per le Scienze del Mare)





CONISMA - UNICAM

San Benedetto del Tronto

V.le Alfredo Scipioni n.6, 63074, San Benedetto del Tronto

Webpage: <http://urdis.unicam.it/URDIS.html#>

Local Access Officer: Paolo Cocci; paolo.cocci@unicam.it

CATEGORY	SUBCATEGORY	SERVICE
	Coastal research vessels	Access to marine ecosystems Costa del Piceno S. Nicola a Mare SIC and Riserva Naturale Regionale Sentina (Intertidal sandy habitat, Subtidal rocky / hard habitat, Subtidal soft bottom, Coastal dunes)
	Rearing of aquaculture animals	Access to aquaculture facility for rearing facilities for fish and macroinvertebrates, including support to fish rearing (e.g., neuroendocrine control of fish reproduction, welfare of farmed fish, food quality safety of fishery production)
	Bioassays	Access to toxicogenomics platform on fish cellular models (including E-Screen, YES and YAS assay, biosensors platform "On-surface" binding studies using a biosensor-based approach for detecting environmental contaminants in real matrices)
	Remote sensing and telemetry	Access to remote sensing equipment (including: multiparametric probe; mantra trap for microplastic collection; GIS and telemetry. Environmental data acquisition systems; sediment analysis ; bathymetric surveys and side scan sonar)



	Data sets	Access to database of ecological data measured at the Riserva Naturale Regionale Sentina from 2014, SIC Grottammare from 2014
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Istituto Nazionale di Oceanografia e di Geofisica Sperimentale

OGS

Trieste


Via Auguste Piccard n. 54, 34151, Trieste

Webpage: <https://www.ogs.it/en>

Local Access Officer: Mauro Celussi; mcelussi@inogs.it

CATEGORY	SUBCATEGORY	SERVICE
	Coastal research vessels	Access to the Gulf of Trieste, including station C1-LTER, with 10 m research vessel MEDUSA, equipped for manual seawater sampling (Niskin bottles, phytoplankton nets, CTD)
	Culture Collections	Access to CoSMI Microalgal Culture Collection containing ~100 strains of phytoplanktonic species (Diatoms, Dinoflagellates, Cryptophytes, Prymnesiophytes, Chlorophytes, Prasinophytes, Euglenophytes, Dictyochophytes). Presence of potentially toxic dinoflagellates and diatoms responsible for blooms and species used in aquaculture and ecotoxicology. The complete list of species is available in the CoSMi website: http://cosmi.inogs.it/ . Services of isolation from the wild, growth and identification of marine microorganisms by combining



		morphological observations and molecular analyses upon request
	Taxonomic services	Access to service of Identification, sorting and characterization through visual (morphology) and molecular approaches of Microzooplankton, Phytoplankton and Macrozoobenthos

Agenzia Nazionale per le nuove tecnologie, l'energia e lo sviluppo economico sostenibile

ENEA



La Spezia, Portici

La Spezia Institute: Località Pozzuolo, Via Santa Teresa, 19032, Lerici






Portici Institute: Research Center Arcades, P.le Enrico Fermi n. 1, 80055, Portici

Webpage: <https://www.enea.it/en>

Local Access Officer: Chiara Lombardi; chiara.lombardi@enea.it

CATEGORY	SUBCATEGORY	SERVICE
LA SPEZIA		
	Coastal research vessels	Access to coastal research vessels for exploration of coastal marine sites in natural areas including Natural Regional Park of Porto Venere and the islands (Palmaria, Tino) and the Cinque Terre National Park and impacted areas (La Spezia port). Access to Smart Bay Santa Teresa (https://smartbaysteresa.com).
	Organisms collected in the wild	Access to collection of organisms in the wild



	Aquaria and tanks	Access to aquaria (50 L) and tanks (10L) available for manipulative experiments on coralline algae and calcifying marine invertebrates/ecosystems
	Structural and Chemical Analysis	Access to radioecology and geochronology technological platform, including gamma spectrometry for sediment core dating and for reconstruction of recent changes in micro and macro benthic organisms in sediment samples
	Data sets	Access to physical-chemical-biological data sets for the area (Gulf of La Spezia) including those from LTER Data Macro Site IT 15 and Smart Bay Santa Teresa observatory
PORTICI		
	Structural and Chemical Analysis	Access to radioecology and geochronology technological platform, including gamma spectrometry for sediment core dating and for reconstruction of recent changes in micro and macro benthic organisms in sediment samples
	Structural and chemical analysis	Access to sedimentology facilities and support for and benchtop instrumentation for granulometric analyses



Istituto Superiore per la Protezione e la Ricerca Ambientale




ISPRA

Roma

Via Vitaliano Brancati n. 48, 00144, Roma

Webpage: <https://www.isprambiente.gov.it/en>

Local Access Officer: Chiara Maggi; chiara.maggi@isprambiente.it

CATEGORY	SUBCATEGORY	SERVICE
	Coastal research vessels	Access to Coastal research vessel LOA "Astrea" (26m) for biological sampling and oceanographic parameters collection in the Strait of Sicily or at the Mediterranean scale.
	Organisms collected in the wild	Access to organisms' collection by fishing gear of fishes, by grab or corer of marine benthic invertebrates, algae and phanerogams, by plankton net of planktonic organisms
	Structural and chemical analysis	Access to Environmental Analytical Chemistry Labs (inorganic and organic chemistry, water, sediment and biota chemical-physical analysis and microplastic extraction, isolation and identification from biotic matrices; equipment include mass



		spectrometry (high and low resolution), optical emission spectroscopy, Isotope Ratio analyses, atomic fluorescence, HPLC-Orbitrap (metabolomic analysis, untargeted contaminants analysis), HPLC-MS/MS)
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Università degli Studi della Tuscia


UNITUS

Viterbo

Via S.M. in Gradi n.4, 01100 Viterbo

Webpage: <https://unitusorienta.unitus.it/en/homepage/>

Local Access Officer: Roberta Cimmaruta; cimmaruta@unitus.it

CATEGORY	SUBCATEGORY	SERVICE
	Organisms collected in the wild	Access to organisms' provision from insular ecosystems (Pontine Islands, Tuscan Archipelago) or costal ecosystems (Latium from San Felice Circeo to Argentario), including plankton sampling, sediment sampling at different depths and supply of marine model organisms



Università degli Studi di Messina




UNIME

Messina




Piazza Pugliatti n. 1, 98122, Messina

Webpage: <https://international.unime.it/>

Local Access Officer: Serena Savoca; serena.savoca@unime.it

CATEGORY	SUBCATEGORY	SERVICE
	Taxonomic services	Access to LabsTREAM - TAXOMAR facility for taxonomic identification of marine macrozoobenthic organisms, teleost, and elasmobranchs
	Wet laboratories	Access to ZEBRALAB facility for IN VIVO Studies on teleosts.
	Bioassays	Access to PHARMALAB and ZEBRALAB screening platforms. PHARMALAB: screening of immunomodulatory, neuroprotective, analgesic, anti-fungal, anti-inflammatory, anticancer, antimicrobial, and antimalarial properties of new found



		molecules on cell lines (in vitro) or aquatic animals (in vivo). ZEBRALAB: screening platform for zebrafish embryo toxicity test assays
	Imaging	Access to LabsTREAM - TAXOMAR facility for teleost otolith analysis facility with Zeiss EVO-10 EM, including external texture organization analysis
	Molecular Biology and Omics	Access to LabsTREAM - GAO facility for genomic identification of aquatic organisms
	Structural and Chemical Analysis	Access to UNIME Structural analysis facilities: LabsTREAM - LAM facility for the extraction (water, sediment and biological matrices) and analysis of microplastics; MeIT - METALS facility for determination of the aminoacid profile and biogenic amines, essential and toxic metals (heavy metals) by ICP-MS and other chromatographic techniques; Access to MeIT - LIPIDS facility for the investigation of the lipid profile of extracts of marine species



Università degli Studi di Milano-Bicocca

UNIMIB



Milano (MaRHE Center: Maldives)

University: Piazza dell'Ateneo Nuovo, 1, 20126, Milano

MaRHE Center: Magoodhoo, Maldives

Webpage: <https://marhe.unimib.it/>

Local Access Officer: Paolo Galli; paolo.galli@unimib.it

CATEGORY	SUBCATEGORY	SERVICE
	Coastal research vessels	Access to island environments in the Maldives renting the Maldivian Dhoni Boat for Day Trip (capability of 50 people).
	Scientific Diving	Access to MaHRE Center Scientific Diving Center, with the possibility to rent diving equipment or participate to scuba dive sessions from Dhoni Boat or from the coast
	In-house lodging	Access to accommodation full board in shared or private room (accommodation, meal, bed linen, towels) at the MaHRE Center



Università degli Studi di Torino




UNITO

Torino



Via Verdin. 8, 10124 Torino

Webpage: <https://www.szn.it/index.php/it/>

Local Access Officer: Livio Favaro, Anna Poli; livio.favaro@unito.it,
anna.poli@unito.it

CATEGORY	SUBCATEGORY	SERVICE
	Culture Collections	Access to fungal strains of the Mycotheca Universitatis Taurinensis (MUT)
	Taxonomic services	Access to taxonomy facilities of UNITO: the MUT fungal taxonomy lab for Isolation, identification, and characterization through visual (morphology) and DNA barcoding of marine taxa; the zooplankton taxonomy lab for isolation, identification and characterization (taxa and species level) of Holoplankton, Meroplankton and Ichtyoplankton.
	Molecular Biology and Omics	Access to fungal molecular biology lab for metabarcoding, metagenomic and WGS of marine taxa



	Remote sensing and telemetry	Access to acoustic sensors and Autonomous Recording Units (ARUs) for the Passive Acoustic Monitoring (PAM) of the marine wildlife
	Structural and Chemical Analysis	Access to facility for fungal fermentation and profiling of their bioactive compounds



Università Politecnica delle Marche

UNIVPM




Ancona

Piazza Roma n. 22, 60121, Ancona




Webpage:

https://www.univpm.it/Entra/Universita_Politecnica_delle_Marche_Home/L/1

Local Access Officer: Cristina Gambi; c.gambi@univpm.it

CATEGORY	SUBCATEGORY	SERVICE
	Coastal research vessels	Access to research vessels in the Ionian Sea ecosystem. Vessels can be equipped with sensors, sampling equipment and ROV, and the support of UNIVPM scuba divers can be asked on request.
	Aquaria and Tanks	Access to aquarium facilities for aquatic organisms' maintenance and experiments under controlled conditions and multiple stressors on target species. Specialized aquaria for Mediterranean, Tropical (including sea anemones, stony corals, and soft corals) and Polar marine species are available.
	Bioassays	Access to Ecotoxicological Assays platform, including analyses of the main cellular biomarkers (i.e. biotransformation, detoxification, oxyradical metabolism and oxidative stress, peroxisomal proliferation, impairment and toxicity to cellular membranes, lysosomes, other organelles and DNA) and ecotoxicological bioassays (bacterial



		bioluminescence, algal growth, embryotoxicity, mortality)
	Molecular Biology and Omics	Access to the Molecular Biology Core Facility for the production of recombinant proteins from marine organisms, including protein structure resolution and modelling.
	Structural and chemical analysis	Access to Mass Spectrometry facility including Liquid Chromatography-MS, Gas Chromatography-MS, ICP-MS, Atomic Absorption Spectrophotometry, HPLC with fluorescence and diode array detectors.
	Data Analysis Tools and Software	Access to advanced bioinformatic laboratory and data mining facility and risk assessment models for the elaboration of large datasets of chemical and biological data