

INFRASTRUCTURE/FACILITY	<i>Marine Organism Taxonomy</i>
INFRASTRUCTURE/FACILITY	<i>MOTax</i>
LOCATION OF INFRASTRUCTURE/FACILITY	<i>Villa Comunale, Naples</i>
LEGAL NAME OF OWNER ORGANIZATION	<i>Stazione Zoologica Anton Dohrn</i>
COUNTRY	<i>Italy</i>
CONTACT	<i>Diana Sarno</i> <i>Stazione Zoologica Anton Dohrn, RIMAR</i> <i>Villa Comunale, 80212 Naples (Italy)</i> <i>+39 081 5833282</i> <i>diana.sarno@szn.it</i>

DESCRIPTION

Taxonomy has always been part of the scientific activities at Stazione Zoologica. Since its founding, numerous worldwide-recognised specialists have conducted important studies on the morphology and biology of the flora and fauna of the Gulf of Naples. Over the years, taxonomy has evolved along with technological development and has been fully integrated within ecological and evolutionary research.

The Marine Organism Taxonomy (MOTax) Unit is a specialized core facility which exploits advanced resources, skills and expertise that are available today at the SZN for the taxonomy and identification of marine organisms. Merging traditional morphological approaches and modern technologies such as electron microscopy and barcoding, MOTax provides a wide range of services that include the identification of individual specimens, isolation and cultivation of certified microalgal organisms, sorting, species identification and counting in benthic and plankton samples in ecological and monitoring projects. As part of

SZN's higher education activities, MOTax offers individual training and organizes advanced courses on the taxonomy of marine organisms.

The team is composed by expert taxonomists who are connected to an international network of specialists in the field. MOTax taxonomists undergo quality assurance auditing that certifies the compliance of the analytical methods used with international standards.

RI/ Facility participating in an ERIC	YES	ERIC EMBRC www.embrc.eu , www.embrc.it
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ANALYTICS/EXPERIMENTAL INFRASTRUCTURES/FACILITIES

TYPE	SERVICE DESCRIPTION	ADDITIONAL INFORMATION
<i>Biological resources</i>	<i>Taxonomy and identification of phytoplankton</i>	<ul style="list-style-type: none"> • Isolation, cultivation and identification of microalgal strains • Sample identification and counting to Class, Genus or Species level • Search and identification of toxic microalgae (including <i>Ostreopsis</i> and other potentially toxic benthic microalgae) • Estimation of cellular carbon content • Provision of images in light and electron microscopy • Barcoding 	
<i>Biological resources</i>	<i>Taxonomy and identification of meso-zooplankton</i>	<ul style="list-style-type: none"> • Sample identification and counting to Class, Genus or Species level • Sorting • Biomass of whole sample or selected species (wet or dry weight) • Provision of drawings and images in light and electron microscopy • Barcoding 	

<i>Biological resources</i>	<i>Taxonomy and identification of macrozoobenthos</i>	<ul style="list-style-type: none"> • Sorting, species identification and counting • Biomass of whole sample or selected species (wet or dry weight) • Provision of images in light microscopy • Barcoding • Data analyses 	
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ACCESS PROVIDED

- € *Remote: the requested facility is operated by the owner's staff the presence of the user team is not required,*
- € *Physical (In person/hands-on): the presence of the user team is required/recommended during the whole operation period*
- € *Partially remote: the presence of the user team is required at some stage (depending on the user team's activity).*

The access can be physical, partially remote or remote

SPECIAL REQUIREMENTS

Num of access/Call;	5
Max period granted in the year:	2 months
Exclusion Periods in the year:	August, December
Max period granted per single user team (working day; days for R/V)	10
Max num of user team members admitted	2
Admin/Safety requirements for the user team (free itemized text)	Knowledge of safety rules for scientific labs
Min # days/months of notice to the RI Resp/PI for preparing the access	2 months
Geographical Areas where RI/facility access is granted to user teams	N/A

