

<b>INFRASTRUCTURE/FACILITY</b>	<i>Core facility for Environmental Monitoring &amp; Analysis</i>
<b>INFRASTRUCTURE/FACILITY</b>	<i>MAA</i>
<b>LOCATION OF INFRASTRUCTURE/FACILITY</b>	<i>Villa Comunale, Naples</i>
<b>LEGAL NAME OF OWNER ORGANIZATION</b>	<i>Stazione Zoologica Anton Dohrn</i>
<b>COUNTRY</b>	<i>Italy</i>
<b>CONTACT</b>	<p><i>Francesca Margiotta</i></p> <p><i>Stazione Zoologica Anton Dohrn, RIMAR</i></p> <p><i>Giardini del Molosiglio, 80133 Naples (Italy)</i></p> <p><i>+39 081 5833343</i></p> <p><a href="mailto:francesca.margiotta@szn.it"><i>francesca.margiotta@szn.it</i></a></p>

## **DESCRIPTION**

*The Core facility for Environmental Monitoring & Analysis (MAA) offers support for sampling and laboratory activities aimed at determining the main environmental variables, making the know-how available and guaranteeing the full usability of the instrumentation and/or performing chemical analyzes directly. It carries out service activities for internal users, third-party activities, participation in institutional projects.*

RI/ Facility participating in an ERIC	YES	ERIC EMBRC <a href="http://www.embrc.eu">www.embrc.eu</a> , <a href="http://www.embrc.it">www.embrc.it</a>
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## ANALYTICS/EXPERIMENTAL INFRASTRUCTURES/FACILITIES

TYPE	SERVICE DESCRIPTION	ADDITIONAL INFORMATION	.....
<i>Analytical labs and Test benches</i>	<i>Nutrient analyses (by Continuous Segmented Flow Analyzer)</i>	<ul style="list-style-type: none"> <li>• Determination of dissolved inorganic nutrients in natural samples.</li> <li>• Determination of dissolved inorganic nutrients in algal cultures.</li> <li>• Determination of dissolved inorganic nutrients in controlled condition experiments.</li> <li>• Determination of total and dissolved organic Nitrogen and Phosphorus (following oxidative digestion)</li> </ul>	
<i>Analytical labs and Test benches</i>	<i>Analysis of C and N in solid samples (by Elemental Analyzer)</i>	<ul style="list-style-type: none"> <li>• Analysis of C and N of marine, riverine or lacustrine particulate.</li> <li>• Determination of C and N in planktonic organisms.</li> <li>• Determination of C and N in seagrasses.</li> </ul>	

		<ul style="list-style-type: none"> <li>• Determination of C and N in sediments</li> </ul>	
<i>Analytical labs and Test benches</i>	<i>Analysis of C and N in liquid samples (by TOC Analyzer)</i>	<ul style="list-style-type: none"> <li>• Analysis of dissolved C and N of marine, riverine or lacustrine waters.</li> <li>• Determination of dissolved C and N in controlled condition experiments.</li> </ul>	
<i>Analytical labs and Test benches</i>	<i>Analysis of photosynthetic pigments (by HPLC)</i>	<ul style="list-style-type: none"> <li>• Quali-quantitative analysis of photosynthetic pigments for chemotaxonomic evaluation of phytoplankton communities.</li> <li>• Quali-quantitative analysis of photosynthetic pigments involved in photoprotection in controlled experimental conditions.</li> </ul>	
<i>Analytical labs and Test benches</i>	<i>Analysis of fluorescent substances (by spectrofluorometer)</i>	<ul style="list-style-type: none"> <li>• Analysis of the phytoplankton biomass and phaeopigments.</li> <li>• Enzymatic kinetics</li> <li>• Qualitative/quantitative analysis of fluorescent substances</li> </ul>	

## ACCESS PROVIDED

*The access can be physical, partially remote or remote*

- € *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).*

## SPECIAL REQUIREMENTS

Num of access/Call;	5
Max period granted in the year:	2 months
Exclusion Periods in the year:	August, December and national holidays
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