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TACTUAL Workshop and Training school

Training Activities for Coastal resources evaluations

National Research Council - Institute for Marine Biological Resources and
Biotechnology (CNR-IRBIM) (Mazara del Vallo Italy), May 8-22, 2023

The workshop and Training School is organised under Erasmus+ CBHE projects MARE "Marine Coastal and Delta Sustainability for Southeast Asia" (<https://mare-project.net>)

Introduction

The **TACTUAL** workshop and training school will introduce students in a typical research institute atmosphere, where training and practical activities will mix to show **tactics** and methods **actual** to evaluate and management marine resources and maritime space. Focused field trips, and practical lab activities in a forty years CNR Fisheries Research Institute, will give participants practical examples of daily research issue.

After the introductory days local and mobility staff will evaluate possible future scientific collaboration, a workshop for Mare staff and stakeholder will organized finalized to publish a book on Mare Topics. The book (in agreement with post-project sustainability plan).

After the introductory days between local and mobility staff to evaluate possible future collaboration the students will follow daily training activities, where main issue of maritime spatial planning and coastal research will be investigated. One of the main mission of Maritime and coastal spatial planning is to facilitate/enable the development of an economic sector (e.g. tourism and maritime/underwater cultural heritage, offshore wind energy, aquaculture) in the maritime domain: ex-ante assessments (Strategic Environmental Assessment, Environmental Impact Assessment); multi-use in project design and licensing/permits; development of a regulatory framework for multi-use, including Land Sea Interactions (LSI); allocation of sufficient sea space, resolution of conflicts with other uses, enabling synergies with other sectors / activities. Data Analysis, behavior of marine animals, quality product processes of removable resources, fishing stock exploitation policy will be some of the themes covered by training school activities.

To support in-class learning, the educational process will include field excursions.

The school will start and finish in Mazara del Vallo, the seat of the Institute for Marine Biological Resources and Biotechnology of National Research Council (IRBIM-CNR).

By the end of the school, all the participants enrolled (individually or in small groups) will be expected to develop and present proposals for a practical solution on maritime spatial planning and/or on land sea interactions. Final work will start from real-life problem analysed during training activities, detailed paper proposals will reflect their project experience and learning outcomes of the TACTUAL training school. Participants and faculty are encouraged to re-develop the final reports into academic papers, book chapter or project applications.

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**CNR
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ISTITUTO PER LE
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E LE BIOTECNOLOGIE
MARINE



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Workshop and Training school faculty:

Dr. **Vincenzo Maccarrone**, Institute for Marine Biological Resources and Biotechnology of the Italian National Research Council – (CNR-IRBIM) (Italy) **MARE focal point for the National Research Council**

Researchers Training Staff

Dr Ludovica De Benedetti	CNR-ISGI
Dr Marianna Marzano	CNR-ISGI
Dr. Anton Anton Shkaruba,	Estonian University of Life Sciences (Estonia)
Dr. Francesco Filiciotto	CNR-ISP
Dr. Daniele La Rosa,	University of Catania (Italy)
Dr. Pietro Scandura,	University of Catania (Italy)
Mr. Giacomo Norrito	CNR-IRBIM
Dr. Pierluigi Straffella	CNR-IRBIM

Financial information

Accommodation and meals shall be covered by participants; we are working on affordable solutions for the school; local transport, if necessary, from and to field trip site will be arranged and covered by the CNR-IRBIM. Other forms of financial assistance are not available.

Contacts

All the inquiries on the matters not covered by the document should be sent to Dr. Vincenzo Maccarrone, vincenzo.maccarrone@cnr.it. or at Mr. Giacomo Norrito secretary of workshop and training school giacomo.norrito@cnr.it



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Day to day program

Day 1 Monday 8th May

Training School Opening Day			
N°	Time	Format, lecture room	Event
1	10.00-10.15	Conference room	Opening speech – Institute Director Dr. Gian Marco Luna
2	10.15-10.30	Conference room	Welcoming speech – Mazara del Vallo Unit manager Dr. Sergio Vitale
3	10.30 – 10.45	Conference room	Official Opening of Training School 2022 - Dr. Vincenzo Maccarrone
4	10.45 - 11.00		Coffee break
5	11.00 – 13.00	Conference room	Mare book editorial activities chapters presentations
6	13.00 – 14.30		Lunch break
7	14.30 -15.30	Conference room	Mare book editorial activities chapters presentations
8	15.30 -17.30		

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Day 2

Tuesday 9th May

Cooperation day			
<i>No</i>	<i>Time</i>	<i>Format, Lecture room</i>	<i>Event</i>
1	09.00 -09.30	Conference room	Francesca Tolve, PhD International Relations Office CNR and the International Dimension: vision and instruments for implementation
2	09.30 - 09.50	Conference room	Gemma Andreone, PhD, LLM, Legal adviser, acting Director, Institute for International Legal Studies (ISGI) Institute presentation
3	09.50-10.20	Conference room	Antonino Adamo PhD Technologist Institute of Anthropic Impact and Sustainability in marine Environment (IAS-CNR) Researching on marine anthropogenic effects and (bio) hazards: the role of the IAS-CNR
4	10.20-10.40	Conference room	Francesco Filiciotto PhD Researcher Acoustic monitoring: tools and scientific applications
5	10.40-11.00	Conference room	Partner presentations
6	11.00 - 11.15		Coffee break
7	11.15-12.30	Conference room	Partner presentations
8	12.30-13.00	Conference room	Round table and bilateral meeting on possible future scientific collaborations, agreement, MOU.
9	13.00 - 14.30		Lunch break
10	15.00-17.00	District headquarter (Mazara city center)	Visit Fishing district headquarter and explore the opportunity to build new relationship
<i>11</i>	<i>20.00-22.00</i>	<i>City center</i>	<i>Social Dinner</i>



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Day 3

Wednesday 10th May

MSP Challenge Training Activity				
N°	Time	Format, Lecture room	Event	Round table on possible future scientific collaborations, agreement, MOU.
1	10:00 - 10:15	library	MSP introduction - Vincenzo	
2	11:00 - 12:00	library	Hands-on planning in MSP Challenge - Magali	
3	12:00 - 12:20		- Coffee break (run the simulations) - Magali	
4	12:20 - 12:40	library	- Explore simulation results - Magali	
5	12:40 - 13:00	library	- Time for (more) questions – Magali and Vincenzo	
6	13:00 - 14:00		Lunch break	
7	14:00 - 14:15	library	-Retrospective on hands-on part and questions - Magali and Vincenzo	
8	14:15 - 15:15	library	A look under the hood: the MSP Challenge Simulations (energy, shipping, ecosystem) – Magali	
9	15:15 - 15:30	library	- Time for questions - Magali and Vincenzo	
10	15:30 - 16:00		Coffee break	
11	16:00 - 16:30	library	- Dealing with configuration files and creating a session - Magali	
12	16:30 - 17:00	library	- Last questions and wrap-up - Magali and Vincenzo	

Day 4

Thursday 11th May

N°	Time	Format, Lecture room	Event	CNR- Staff
1	9.00 - 14.00		Visit Capo Granitola CNR IAS Research Institute	
2	14.00 – 15.00		Lunch break	
3	15.00 – 17.00		Field Trip Selinunte Archaeological Park	

Day 5

Friday 12th May

N°	Time	Format, Lecture room	Event	
1	9.00 - 11.00	Conference room	Mare book editorial activities	
2	11.00 - 11.15		Coffee break	
3	11.00 - 13.00	Conference room	Mare book editorial activities chapters presentations	
4	13.00 - 14.30		Lunch break	
5	15.00 - 17.00	Training activities	Students will prepare a short presentation	

Day 6

Saturday 13th May

N°	Time	Format, Lecture room	Event	
1	9.00 - 17.00	Training activities	Reading and independent group work time	

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Day 7

Sunday 14th May

N°	Time	Format, Lecture room	Event
1	9.00 -17.00	Training activities	Reading and independent group work time

Day 8

Monday 15th May

N°	Time	Format, Lecture room	Event	<i>Dr Ludovica De Benedetti Dr Marianna Marzano</i>
1	9.00 -14.00	Introduction lecture	<i>The International Agreement on the Conservation and Sustainable Use of Marine Biodiversity of Areas Beyond National Jurisdiction</i>	
2	14.00 – 15.00	Training activities	Students will prepare a short presentation/report on training results, results will be evaluated and analysed by researchers	
3	15.00 – 17.00	learning test	Reading and independent group work time	

Day 9

Tuesday 16th May

N°	Time	Format, Lecture room	Event	<i>Prof. Pietro Scandura (UNICT)</i>
1	9.00 -14.00	Introduction lecture	Hydrodynamics and coastal sediment transportation	
2	14.00 – 15.00	Training activities	Students will prepare a short presentation/report on training results, results will be evaluated and analysed by researchers	
3	15.00 – 17.00	learning test	Reading and independent group work time	

Day 10

Wednesday 17th May

N°	Time	Format, Lecture room	Event	<i>Prof. Daniele La Rosa (UNICT)</i>
1	9.00 -14.00		Coastal and urban planning in coastal zone areas	
2	14.00 – 15.00		Lunch break	
3	15.00 – 17.00		Reading and independent group work time	

Day 11

Thursday 18th May

N°	Time	Format, Lecture room	Event	<i>Dr. Filiciotto (CNR-ISP)</i>
1	09.00 -10.30	Introduction lecture	Underwater noise and impact on behaviour of marine animals; - Training activity: Analysis of animal behaviour by using a dedicated software; - Verify test: graphic and written representation of the activity carried out.	
2	10.30-16.00	Training activities	Students will prepare a short presentation/report on training results, results will be evaluated and analyzed by researchers	
3	16.00 – 17.00	learning test	Students will prepare a presentation on training results	

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Day 12 Friday 19th May

N°	Time	Format, Lecture room	Event	Dr. Vincenzo Maccarrone (CNR-IRBIM)
1	09.30 -11.00	Introduction lecture	Measuring the ICZM the plan performance	
2	11.00-16.00	Training activities	Students will prepare a short presentation/report on training results, results will be evaluated and analyzed by researchers	
3	16.00 – 17.00	learning test	Students will prepare a presentation on training results	

Day 13 Saturday 20th May

N°	Time	Format, Lecture room	Event	
1	9.00 -17.00	Training activities	Reading and independent group work time	

Day 14 Sunday 21th May

N°	Time	Format, Lecture room	Event	
1	9.00 -17.00	Training activities	Reading and independent group work time	

Day 15 Monday 22th May

N°	Time	Format, Lecture room	Event	CNR-IRBIM staff
1	9.00 -13.00	Conference room	Final events and conclusions	

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