

BRIGANTINE

Chemico-physical and multispectral
Data fusion for Adriatic sea
monitoring
by autonomous vessel

A2.5 Participation to events with other Interreg projects

Project Acronym	BRIGANTINE
Project ID Number	ITHR0200237
Project Title	Chemico-physical and multispectral Data fusion for Adriatic sea monitoring by autonomous vessel
Priority Axis	1 - Sustainable growth in the blue economy
Specific Objective	1.1 - Developing and enhancing research and innovation capacities and the uptake of advanced technologies
Work Package Number	2
Work Package Title	BRIGANTINE boat design and preparation
Activity Number	2.5
Activity Title	Communication campaign:the autonomous surface boat and the status oand monitoring of macrophyte habitats on IT-HR coasts
Partner in Charge	PP1 and PP5
Partners involved	PP1
Authors	Sabina Susmel
Status	Final
Distribution	Web
Citation	

CONTENTS

Interaction with other projects continues in order to present the objectives of the BRIGANTINE project and to establish positive and proactive collaborations with other project partners. Participation in the hybrid event organized by the ECCENTRIC project (p was complemented by involvement in the event organized by Unioncamere Veneto, a partner of the INNOVAMARE DIH project, as well as in the event organized directly by BRIGANTINE in collaboration with MEPA.



Project consortium



Name	Description
T2I – Technology Transfer and Innovation – IT (LEAD PARTNER)	Supports SMEs in digital transformation, innovation, and startup incubation. Expertise in technology transfer, R&D, and EU-funded projects.
MARINN – Maritime Innovation Cluster – HR	Connects SMEs, researchers and investors in the maritime sector, promoting green and digital innovation, R&D and business growth in Blue Economy.
MAREFVG – Maritime Technology Cluster FVG – IT	A key player in maritime innovation, bridging industry and research. Focus on shipbuilding, marine robotics and emerging blue growth sectors.
HAMAG BICRO – HR	Croatian agency supporting SMEs through funding, innovation programs, and investment facilitation. Key in policy coordination and technology transfer.
HGK – Croatian Chamber of Economy– HR	Represents Croatian businesses, fostering innovation, sustainability, and competitiveness.
UNIBO – Alma Mater Studiorum of Bologna – IT	A leading European university driving research and innovation in marine energy, robotics, and sustainable maritime technologies
IMAST – Italian technological district for the engineering of polymeric and composite materials and structures – IT	Specializes in advanced materials for marine, aerospace, and industrial applications, promoting R&D and innovation in composite structures.
CNA ABRUZZO – National Confederation of the craft sector and SMEs Abruzzo – IT	Supports SMEs and artisans with training, funding and innovation services, fostering sustainable business development and competitiveness.

The role of IMAST in the project

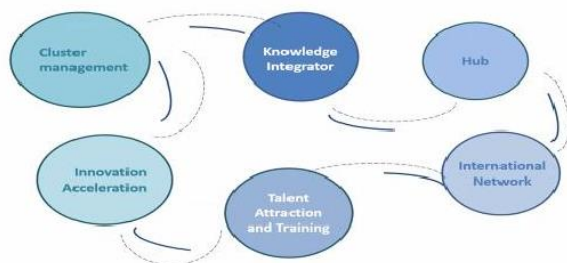


- **Coordinator of WP2 - Testing and SME/Research Collaboration:** IMAST plays a key role in ECCENTRIC by leveraging its expertise in advanced polymeric and composite materials, contributing to the development of sustainable and innovative solutions for the Blue Economy sectors.
- **Involvement of industrial actors and startups:** Facilitating collaboration between industry leaders and emerging businesses to drive innovation, knowledge transfer, and technology adoption.
- **Contribution to defining strategic roadmaps and investment tools:** Developing frameworks that guide SMEs and investors in adopting cutting-edge technologies and financial strategies for sustainable growth.
- **Organization of events and thematic workshops:** Hosting expert-led sessions to foster discussions, share insights, and connect stakeholders, enhancing research-industry synergies in the Blue Economy.





*The Italian technological district for the engineering
of polymeric and composite materials and structures*



Nicola Zilio

Shareholders

PUBLIC INSTITUTIONS

- National Council of Research
- ENEA Italian National Agency for New Technologies, Energy and Sustainable Economic
- University of Naples "Federico II"
- University of Salerno
- Polytechnic University of Bari
- Polytechnic University of Turin

BANKING SYSTEMS

- Istituto Banco di Napoli Fondazione

ASSOCIATED MEMBERS

- Boeing Company

INNOVATIVE COMPANIES

- Fiat Research Center
- Cetena per Fincantieri
- CIRA
- Dompé Farmaceutici
- Stellantis
- Leonardo
- MBDA



Nicola Zilio



Not hearing anything? [Turn up volume](#)

Interreg

Co-funded by
the European Union

Italy – Croatia

S2: ENERGY HARVESTING & OFF-SHORE RENEWABLE

NEST

NETWORK FOR ENERGY SUSTAINABLE TRANSITION

Projects to be developed through Cascade Calls (2/2)

Research Topic 2: Lab set up for field testing, under real conditions, of scale models of offshore energy conversion systems for development and calibration of their digital twin

Submitted applications on evaluation process

app.zoom.us via condividendo lo schermo

Interreg.it/condizioni

Nazionali

Find a participant

Sabina susmel (Me)

SCAI COMUNICAZIO... (Host)

Michela Chimienti - NEST

adeleo

AlessandroBosco

Alfonso Raiola-DuWo

Antonio Leandro

Antun Nadramija - INTERREG I...

ANWARI/MOR

Biotech For Life

Carlo Gadaleta Caldarola - ARTI

CarloKraskovic

cesare de palma

Claudio Mingazzini

Costanza Emanuele (OSMA)

Michela Chimienti - NEST

6

Italy – Croatia



DF	Daniela Francia			DP	Domenico Palatucci		
DI	Daniela Iasillo			E-	ECCENTRIC - Ebonita Čurković		
DD	Diana De Padova				Eleonora Schulze IMAST		
DP	Domenico Palatucci			EF	Eleonora's Fathom		
E-	ECCENTRIC - Ebonita Čurković			FF	Fabio Favero		
	Eleonora Schulze IMAST			FS	Federica Stella Blasi		
EF	Eleonora's Fathom			FR	Flavia Ruggiero		
FF	Fabio Favero			F	FR_Scai		
FS	Federica Stella Blasi			F	FrancescoBrasini		
FR	Flavia Ruggiero			GC	Giuditta Contini		
F	FR_Scai			GP	Giulia Paoella		
F	FrancescoBrasini			GQ	Giulia Quarta		
GC	Giuditta Contini			ID	Ing. Dario Di Vincenzo - Ad...		
GP	Giulia Paoella			IF	Ing. Francesco Barbaccia - ...		
GQ	Giulia Quarta			ID	iPhone di Imma		

IF	Ing. Francesco Barbaccia - ...				NZ	Nicola Zilio	
ID	iPhone di Imma				NM	Nunzia Morellon CNA Abruzzo	
LF	La Fauci G.				PM	Paolo Marchese-Chamber of C...	
LM	Leonardo Manzari New Ideas					Qamar mohamed Osman	
LG	Luana Gurnari				R	r.carella	
LM	Luigi Marra				RD	Ramiro dell'Erba (ENEA)	
MH	Majlinda Hylli				RI	Roberta Ingrosso	
MT	Marco Terrei				SM	Sabrina Malpede	
MM	Martina Montinaro				SC	Sergio Camporeale - Politecnic...	
MC	Michela Chimienti - NEST					SF_Scai	
M	milva_pepi				S	Stefania Lazzari	
	Mohamed aziz elghoul				S	Stefano	
NM	Nunzia Morellon CNA Abruzzo				SF	Stefano Fricano	
PM	Paolo Marchese-Chamber of C...				TS	Tatjana Spahiu	
	Qamar mohamed Osman				V	Valeria Patruno	

Italy – Croatia



MT	Marco Terrei		
MM	Martina Montinaro		
MC	Michela Chimienti - NEST		
M	milva_pepi		
	Mohamed aziz elghoul		
NZ	Nicola Zilio		
NM	Nunzia Morellon CNA Abruzzo		
PM	Paolo Marchese-Chamber of C...		
	Qamar mohamed Osman		
R	r.carella		
RD	Ramiro dell'Erba (ENEA)		
RI	Roberta Ingrosso		
SM	Sabrina Malpede		
SC	Sergio Camporeale - Politecnic...		

Interreg Co-funded by the European Union

Italy – Croatia

ECCENTRIC

CHALLENGE 1: BRINE MANAGEMENT

The Advantage of the Tara River's Brackish Waters

One of the main impacts to consider for desalination plants is brine management. In the case of Taranto, the decision to desalinate the brackish waters of the Tara River offers an advantage:

The brine produced, a liquid flow of approximately
370 liters per second

will have a salinity of approximately
7 grams per liter

significantly lower than seawater salinity, which is
35 grams per liter (approximately)

In the case of seawater desalination, however, brine management remains one of the main challenges to address, particularly in terms of recovering/improving the value of dissolved substances.

CHALLENGE 2: ENERGY

The Taranto desalination plant will be powered 100% by green energy, with no direct or indirect CO₂ emissions.

The project aims to develop a desalination plant powered 100% by green energy. The plant will be located in Taranto, in the region of Puglia, and will be the first of its kind in Italy. The plant will be powered by renewable energy sources, such as solar and wind power. The plant will also have a water recycling system, which will allow the water to be reused in the plant's operations.

Thanks to the contribution of Interreg, the construction of the plant has been accelerated.

Fare clic per inserire le note

Agenda

Conference: Marine technologies and implementation for sustainable blue economy**Date:** November 13th 2024**Venue:** University of Padova**Organizers:** DIH Innovamare project – CCE, UCV, University of Padova**About conference:**

Conference on University of Padova - marine technologies and its implementation on to engage their stakeholders as spin-offs, students and researcher in dissemination of results and capitalization for development of spin offs as one of partners on this project is company spin-off Wireless and more from University of Padova. It will show them new potential in digital and green transformation of blue economy that can encourage students and researchers to start new research topics or study programs. Key results as updated map of excellence will be disseminated to students, companies and researchers as stakeholders from university community to enable connection and collaboration with other researchers or companies.

8:30 - 9:00 Registration and welcome coffee**Participants:** All attendees**9:00 - 9:30 Opening remarks****Speakers:**

- Prorector of the University of Padova
- UCV representative or representative of Veneto region and Padua Municipality
- Project Coordinator - DIH InnovaMare

9:30 - 10:30 Introductory session**Title: " New potential in digital and green transformation in the blue economy powered by marine technologies"**

Map of excellence - Use cases presentation

Presentation of key results and updated Map of Excellence (Presentation of innovative marine technologies - marine robotics and sensors, Successful implementation of marine technologies, Examples of cross-border cooperation, Real-time monitoring and pollution mitigation - data analysis and innovative technologies for marine monitoring)**Participants**

- Representative of the DIH Innovamare project – presentation of the results
- Case study presenters' joint presentation – user and provider of the technology - Italy

10:30 - 11:00 Coffee break and networking

11:00 - 12:30 Panel discussion – how to enhance application of marine technologies in blue economy sectors with use of testing sites in Europe**Moderator:**

- LP, DIH Innovamare

Panelists:

- Academic representative from a marine research institute
- Testing site manager of marine technology testing site
- Policy maker
- Representative from a financial institution
- End user

12,30- 14,00 Lunch and B2B meetings**14,00-15,00 Round table**

- Improvement of spin-off models in Italy and Croatia

Opportunities for young researchers – in spin offs and start-ups (New research topics in marine technology, Developing study programs for blue economy, Career development opportunities for young researchers – academia, public or private sector)

Participants:

- Young researchers from ITA and CRO
- Spin off representative from ITA and CRO

15,00-15,30 Blue economy projects presentation (7 min. pitch per project)

- MareSkill project
- Brigantine project _Sabina Susmel project manager
- TransH2
- Eccentric

15:30 - 16:00 Closing remarks**Speakers:**

- DIH Innovamare project coordinator

D.2.4.1 Workshop for local authorities

D.3.1.1. Mediated consulting reports with key-players

Organized by: PP2 Polytechnic University of Marche

Location: DISVA Aula Mario Giordano, UNIVPM

Via Brece Bianche, 60131 – Ancona, Italy

19 March 2025

Agenda**Wednesday 19th March 2025**

14:00 – 14.15 **Registration**
14.15 – 14.30 **Welcome greetings- prof. ssa Annibaldi Anna**
14.30 – 14:45 **BRIGANTINE presentation prof.ssa Sabina Susmel LP**
14.45 – 15:00 **MAPA presentation prof.Carlo Cerrano PP4**

15:00-16:00 **Local Authorities, Research center and stakeholder on monitoring activities**
Univpm prof. Fabio Rindi: BRIGANTINE
UniUd prof. Boscutti/Trevisan

ARPAM

ISPRA dott.ssa Borrello Patrizia and dott.ssa Cecilia Silvestri (online)
COMUNE di Ancona (Sezione Ambiente) dott. Brunzini Alessandro and dott.ssa Sestilli Giulia

15:30-15:40 **Coffe Break**

CNR IRBIM Ancona dott. Pierluigi Penna
Ente Parco del Conero dott.ssa Agnese Riccardi
Ecoreach srl dott.ssa Francesca Marcellini
Ubica srl dott. Ubaldo Pantaleo (online)
Reefcheck ONG Cristina Gioia Di Camillo

16:00 – 17:00 **Roundtable about the monitoring and protection of Adriatic Sea**
17:00 – 17:15 **Aperitif *and end of the workshop***

The event will be in presence, but online participation is possible using this link:

https://teams.microsoft.com/l/meetup-join/19%3ameeting_YTVmNjhMjctZGQ1ZS00ODM5LThlNjYtZTAwYWZhN2E5NDU1%40thread.v2/0?context=%7b%22Tid%22%3a%22117b418d-fb21-416f-a85f-1e9ff725bf2c%22%2c%22Oid%22%3a%2270c7791a-7223-4b02-be1d-75a0f2b63b4d%22%7d

Italy – Croatia



Conference: Marine technologies and implementation for sustainable blue economy

Date: November 13th 2024

Venue: University of Padova

Organizers: DIH Innovamare project – CCE, UCV, University of Padova

About conference:

Conference on University of Padova - marine technologies and its implementation on to engage their stakeholders as spin-offs, students and researcher in dissemination of results and capitalization for development of spin offs as one of partners on this project is company spin-off Wireless and more from University of Padova. It will show them new potential in digital and green transformation of blue economy that can encourage students and researchers to start new research topics or study programs. Key results as updated map of excellence will be disseminated to students, companies and researchers as stakeholders from university community to enable connection and collaboration with other researchers or companies.

8:30 - 9:00 Registration and welcome coffee

Participants: All attendees

9:00 - 9:30 Opening remarks

Speakers:

- Prorector of the University of Padova
- UCV representative or representative of Veneto region and Padua Municipality
- Project Coordinator - DIH InnovaMare

9:30 - 10:30 Introductory session

Title: " New potential in digital and green transformation in the blue economy powered by marine technologies"

Map of excellence - Use cases presentation

Presentation of key results and updated Map of Excellence (Presentation of innovative marine technologies - marine robotics and sensors, Successful implementation of marine technologies, Examples of cross-border cooperation, Real-time monitoring and pollution mitigation - data analysis and innovative technologies for marine monitoring)

Participants

- Representative of the DIH Innovamare project – presentation of the results
- Case study presenters' joint presentation – user and provider of the technology - Italy

10:30 - 11:00 Coffee break and networking



Italy – Croatia



DIH Innovamare

11:00 - 12:30 Panel discussion – how to enhance application of marine technologies in blue economy sectors with use of testing sites in Europe

Moderator:

- LP, DIH Innovamare

Panelists:

- Academic representative from a marine research institute
- Testing site manager of marine technology testing site
- Policy maker
- Representative from a financial institution
- End user

12,30- 14,00 Lunch and B2B meetings

14,00-15,00 Round table

- Improvement of spin-off models in Italy and Croatia

Opportunities for young researchers – in spin offs and start-ups (New research topics in marine technology, Developing study programs for blue economy, Career development opportunities for young researchers – academia, public or private sector)

Participants:

- Young researchers from ITA and CRO
- Spin off representative from ITA and CRO

15,00-15,30 Blue economy projects presentation (7 min. pitch per project)

- MareSkill project
- Brigantine project
- TransH2
- Eccentric

15:30 - 16:00 Closing remarks

Speakers:

- DIH Innovamare project coordinator

