

BRIGANTINE

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

A 1.5

Communication campaign about BRIGANTINE' project

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	1
Work Package Title	Increased number of researchers, PhDstudents, new monitoring tool applied to macrophytes observation
Activity Number	A 1.5
Activity Title	Communication campaign about BRIGANTINE' project
Partner in Charge	PP1
Partners involved	PP2, PP3, PP4, PP5
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Status	Draft
Distribution	Internal
Citation	

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Analysis

All PPs were involved for the communication campaign to contribute to the BRIGANTINE A 1.5 concerning the “Awareness campaign on the protection and conservation of high value seaweeds and seagrass meadows habitats”. To achieve this aims official communications of the Project all PPs participated and the results of this 4RP are summarized in the attached table (see table and annexes below).

Annexes

Table of the Target groups

Target group	Description of the target group involvement
Regional public authority (TG2 and TV 12)	Aquafram 2026: Capitaneria di porto of Grado-Monfalcone for navigation constrains; IZS Venezia dott Monia Cocchi at Aquafram 2026 for parameters to measure in marine water Venezia 13 of March 2026 workshop Nuove opportunità: Italian Navy (ISMM-MM), Assessore Pesce Comune di Venezia https://live.comune.venezia.it/it/2026/03/droni-marini-autonomi-il-monitoraggio-delle-acque-costiere-lassessore-pesce-al-workshop-sul

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Higher education and research organisations (TG7 and TV10)	Congress 1) “Algology Scientific Meeting of the Italian Botanical Society” National congress in Rome, held from 14–15 November 2025. During the conference, BRIGANTINE researchers presented a detailed study carried out in a patchy Cymodocea nodosa seagrass meadow near the Ancona Marina, an area once used for boat mooring and now characterized by semi-enclosed, sheltered waters and fine sediments. https://www.italy-croatia.eu/web/brigantine/dettaglio?articleId=27403967&groupId=7942952 2) “Chimica sotto l’albero” national chemistry conference organised by the Italian Chemical Society (CSI) with support from the "Aldo Moro" University of Bari and the Polytechnic of Bari from 18 to 19 December 2025. The BRIGANTINE team from PP2 exposes a poster on the development and comprehensive characterization of novel plastic composite electrodes based on activated biochars, obtained from sunflower shells and rice husks, for the sensitive determination of heavy metals such as Lead, Cadmium and Zinc. These findings pave the way for the application of this sensor on Brigantine hulls for the monitoring of such contaminants in the waters. https://www.italy-croatia.eu/web/brigantine/dettaglio?articleId=27797161&groupId=7942952
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SME (TG 10 and TV 10)	From 4 to 7 November 2025, the BRIGANTINE project joined the Ecomondo Fair. all details in the PP2 project report. The Polytechnic University of Marche team — Prof. Anna Annibaldi, Prof. Fabio Rindi and Prof. Stefano Accoroni — represented the project and engaged SME throughout the event. Three SME were engaged - Research & Development magazine - Envea – elevating standards for life (https://envea.global) - AMS (Air Monitoring Systems) Analitica (https://amsanalitica.com) Details on the event at the link https://www.italy-croatia.eu/web/brigantine/dettaglio?articleId=27403888&groupId=7942952 From 18 to 19 of February 2026, the BRIGANTINE project joined the Aquafarm fair, International event dedicated to aquaculture, algaculture, and artisanal fisheries. SME (5) interested in implement and use the Brigantine technology: ACE iooT_Padua dr Mattia Paoli General Manager for Italy, for the aspects of the connectivity and data transfer; WALISE dr Varkony Levente, fish biologist, for the aspects of the sensors, data interpretation and platform development for data collection and use through dedicated apps; INNOVA SEA for the use of cameras in aquaculture intelligent solutions for biomass estimation and eventual application on board of the Brigantine device; SubSeaRov dr Basile Osvaldo Manager. This SME is the leading provider of ROVs, underwater cameras, sonars, and underwater engineering services in Southern Italy and was interested in fabricating the Brigantine drone; SEACRAS contact with dr Spadina Mario to implement the suit home-
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	made used to collect the data of the monitoring during Brigantine mission. This company is producing suite of environmental and coastal surveillance solutions for monitoring the state of the sea, based on high-resolution satellite imagery and advanced AI algorithms. All details and the media relation connected to the event are reported in the PP1 project report From 21 to 23 nobvmebre 2026 CROFISH The international fair dedicated to fisheries, fishing equipment, aquaculture, sport fishing, and water sports, which will be held in Poreč, is the only event of its kind taking place in the territory of the Republic of Croatia. all details in the PP3 project report Arsenale Venice 13 of march 2026 Workshop: Nuove opportunità.. Consorzio Venezia Nuova, Thetis spa contact to use Brigantine in Mose infrastructure monitoring
Interest groups including NGOs	ND

Sectorial agency (TG 4 and TV 3)	<i>Bologna 12 of february Tecnopolo DAMA: ARPA dr Perucci Paolo Venezia 13 of march workshop Nuove opportunità..:</i> ARPAV The Director General of ARPA Veneto, Dr. F. Strazzabosco CNR-ISMAR Dr. Rosalia Santoleri, the Director of the Institute of Marine Sciences in Venice.
Business support organisation (TG11 and TV 11)	
General Public (TG14 and TV 35000)	Fairs: • Ecomondo fair 3-6 November 2025 (Rimini). Ecomondo at Rimini's Expo Centre gave us the perfect platform to showcase our European BRIGANTINE INTERREG project. Our team—Prof. Anna Annibaldi, Prof. Fabio Rindi, and Prof. Stefano Accoroni—took this opportunity to promote our work and strengthen collaborations with international experts. Visitors 108.800 (see https://www.ecomondo.com/it) https://www.italy-croatia.eu/web/brigantine/dettaglio?articleId=27403888&groupId=7942952 • Eudi Show 2026 20-22 February – Bologna Brigantine was present at European Dive Show held in Bologna. Our team from Polytechnic University of Marche took this opportunity to promote autonomous vessel technology, for assessing seagrass meadows, and approaches for detecting environmental stressors. https://www.instagram.com/reel/DU-n9PeDFff/ https://www.eudishow.eu/site/en/eudi-show-2026-chiude-con-un-4-rispetto-al-2025/

	Aquafarm facts and figures: This year as well, the event confirmed itself as a reference point for the aquaculture market, attracting more than 2,000 participants and offering a rich conference program with 25 working sessions, alongside a large international exhibition area of 6,000 square meters featuring more than 120 exhibitors and brands. https://byinnovation.eu/aquafarm-2026-in-consuntivo-a-pordenone/ CROFISH Over 80 Exhibitors: More than 80 exhibitors from Croatia, Italy, Slovenia, and Spain are anticipated, offering a wide range of products related to fishing, aquaculture, and water sports. 4,000+ Visitors: The event typically draws over 4,000 visitors, including local fishermen, industry professionals, and enthusiasts, typically over a three-day period in November https://www.crofish.eu/en/
Education/training center and school	Schools (D.2.5.2 Educational activities): PP2 Polytechnic University of Marche 6 events total: more than 300 students: - On Saturday, 25 October 2025, marine biologist Prof. Fabio Rindi led a group of university students into the clear waters of the Passetto in Ancona for a hands-on snorkeling session. The goal was simple and urgent: observe and monitor the local populations of <i>Gongolaria barbata</i>, a key brown alga for coastal habitats. https://www.italy-croatia.eu/web/brigantine/dettaglio?articleId=27403462&groupId=7942952 - On 5th November at Ecomondo fair more than 30 students from the Polytechnic University of Marche, accompanied by prof. Annibaldi, Accoroni e Rindi, attended the Brigantine

stand, where they explored instruments used for marine sampling and learned how cross-border cooperation improves data quality and supports long-term sustainability strategies.

- On 15, 16, and 19 January 2026, students from Savoia Benincasa High School in Ancona and Liceo Vittorio Emanuele di Jesi (AN) participated in laboratory session, guided by researchers from the Polytechnic University of Marche. During the session, students explore the fascinating world of nutrients and algae, conducting analyses using microscopes and spectrophotometers, gaining insights into the importance of marine biodiversity and sustainable practices.

On 13rd February prof. Stefano Accoroni took a conference in high school Liceo Scientifico Campana of Osimo on the importance of protecting the environment. More than 200 students were present.

Details on

<https://www.italy-croatia.eu/web/brigantine/dettaglio?articleId=27403888&groupId=7942952>

<https://www.italy-croatia.eu/web/brigantine/dettaglio?articleId=27797349&groupId=7942952>

From 18 to 19 of February 2026, the BRIGANTINE project joined the Aquafarm fair : 2 schools (20 pupils) at Brigantine stand were involved in the presentation of the drone and discussions about its functionalities together with suggestions about the “perfect drone” were collected from the young participants.



(TG 8 and TV 15)	
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