

Interreg
Italy – Croatia



Co-funded by
the European Union

 **BRIGANTINE**

Autonomous surface vehicles and
advanced sensors for the monitoring
of marine habitats in Italy and Croatia



FINAL EVENT SAVE THE DATE



DATE
15 September 2026



TIME
09:00



VENUE
Casa dell'Ortolano,
Isola della Certosa, Venezia (Italy)

Join us to discover the results
of the BRIGANTINE project
and how innovative technologies
are shaping the **protection of**
our marine ecosystems.



www.italy-croatia.eu/web/brigantine



*Together for smarter
monitoring and healthier
coastal ecosystems*



BRIGANTINE



PROJECT DURATION

01.01.2024 – 30.06.2026
(30 months)



TOTAL BUDGET

€ 1,499,976.80

ERDF CONTRIBUTION

€ 1,274,981.28

PROJECT PARTNERS



UNIUD
UNIVERSITÀ
DEGLI STUDI
DI UDINE

PP1 – Lead Partner

Expertise in analytical chemistry and sensor development,
aquatic botany, aquaculture, engineering and software
for autonomous systems.



UNIVERSITÀ
POLITECNICA
DELLE MARCHE

PP2

Expertise in marine biology, aquatic botany, environmental
chemistry and ecosystem assessment for coastal and
marine ecosystems.



Ruder
Bošković
Institute

PP3

Expertise in marine biology, aquatic botany, marine chemistry
and monitoring for the Adriatic Sea.



CORILA

PP4

Expertise in environmental monitoring, ecosystem services,
data management, stakeholder engagement and
science-policy interface.



UNIVERSITY OF ZAGREB
FACULTY OF MECHANICAL
ENGINEERING AND
NAVAL ARCHITECTURE

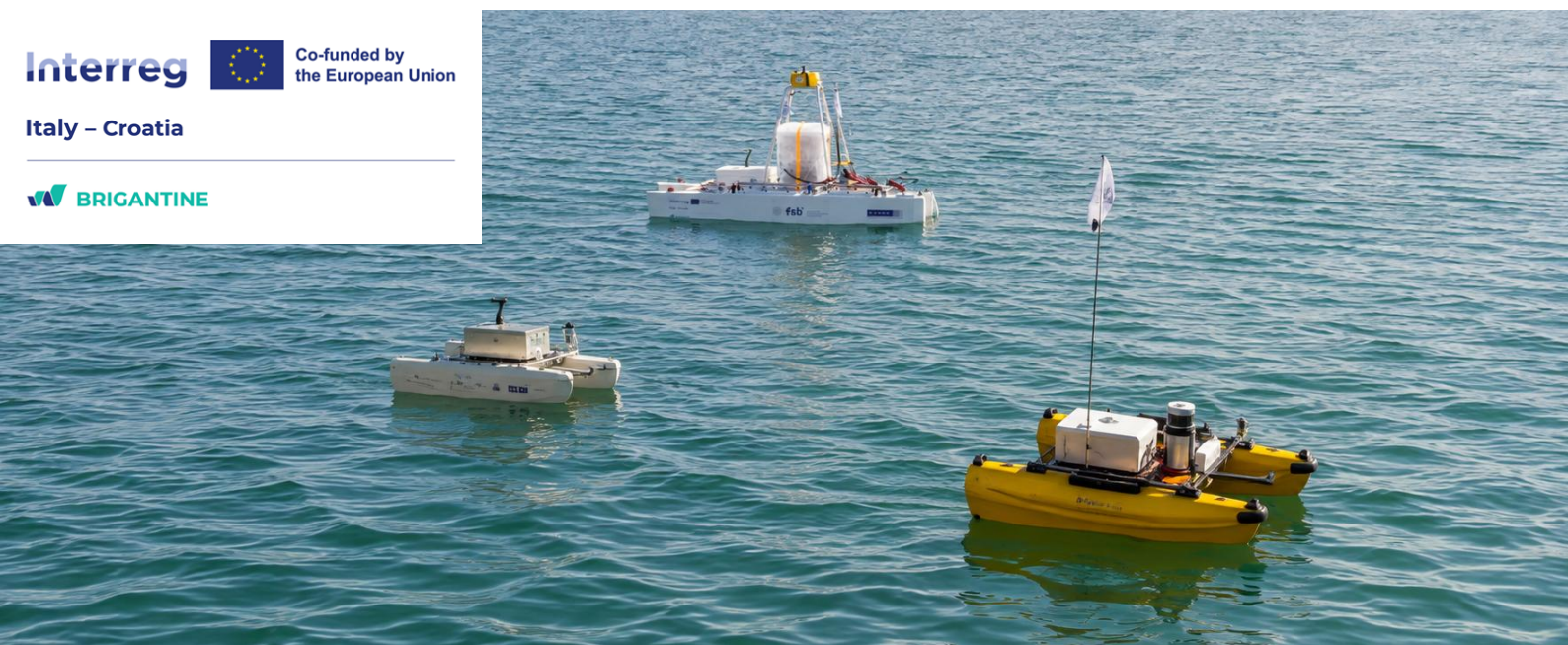
PP5

Expertise in naval architecture, marine engineering
and autonomous vessel design and integration.



Official invitation and agenda coming soon.





BRIGANTINE

Building the future on autonomous marine monitoring

The Italy–Croatia cross-border area is characterised by a strong maritime vocation and a Blue Economy that plays a strategic role in regional development. At the same time, the Programme area faces common environmental challenges affecting marine and coastal ecosystems, together with the need to strengthen innovation capacity, technology transfer and cross-border cooperation. The context analysis also highlighted that, despite relatively high levels of educational attainment, both territories are experiencing a progressive decline in the number of young people continuing to higher levels of education and advanced training. This trend reduces the availability of highly skilled professionals, weakening the innovation potential of local research institutions, public authorities and businesses, and limiting the long-term competitiveness of the Blue Economy.

To address these shared challenges, the INTERREG Italy–Croatia BRIGANTINE standard project brought together research organisations, technology developers, public authorities and end users from both countries to develop, integrate and validate innovative technologies for marine and coastal environmental monitoring. Throughout the project, partners combined expertise in autonomous surface vehicles, aquatic botany, environmental sensors, underwater imaging, digital services and field validation to create an integrated monitoring framework for the observation, mapping and assessment of submerged seagrass meadows and other coastal habitats, supporting their sustainable management and conservation. Particular attention was also devoted to capacity building and the involvement of young researchers. During the three-year project, seven early-career researchers actively contributed to the development, testing and validation of the project's technologies while gaining hands-on experience in an international and multidisciplinary environment. Their direct interaction with SMEs, technology providers and public authorities fostered knowledge exchange, strengthened innovation skills and helped bridge the gap between research and the operational needs of the Blue Economy.

The project has generated results that extend beyond technological development, including new monitoring methodologies, validated sensing solutions, integrated data management approaches and practical applications for habitat mapping, water quality assessment, pollution and invasive species monitoring, infrastructure inspection, aquaculture and coastal management. By strengthening collaboration between research institutions, public authorities, SMEs and end users, BRIGANTINE also contributes to accelerating the transfer of innovation into operational environmental monitoring.

The BRIGANTINE Final Event will present the project's main scientific, technological and operational achievements, providing an opportunity to discuss lessons learned, future perspectives and the practical adoption of the developed solutions. Through technical presentations, a round-table discussion and a live demonstration, participants will explore how the project's integrated approach can contribute to the future of marine monitoring and the sustainable growth of the Blue Economy.

Where and when: [Casa dell'Ortolano](#), Isola della Certosa, Venezia - 15 Settembre 2026

Mandatory registration on <https://forms.gle/rkwUF53mT2jstvwUA>

Programme

8.54 Meeting at ACTV “Ferrovia” stop (Platform C) and departure by ACTV waterbus **Line 4.1** to Certosa Island.

9.30 - 10:00 Registration

10.00 - 10:30 Welcome and opening remarks, *ing. P. Campostrini (CORILA)*

10.30 - 11:00 BRIGANTINE project overview and main achievements, *dott.ssa Sabina Susmel (UNIUD)*

11:00 - 11.15 *Coffee break*

11:15 - 12.00 Technical session 1 – Autonomous surface vehicles from design to in field validation, *Prof. Francesco Trevisan(UNIUD), Prof. Ivan Scagnetto (UNIUD), Prof. Smiljko Rudan(FSB)*

12:00 - 13.30 Technical session 2 – Environmental sensors and innovative monitoring technologies, *dott.ssa Azzurra di Buonaventura (UNIUD), dott.ssa Monica Mosquera (UNIUD), dott. Riccardo Zamolo (UNIUD), dott. Luca Gemolotto (UNIUD), dott. Michele Parioli (UNIVPM)*

13.30 – 14:30 *Light lunch*

14:45 - 15:15 Live demonstration of the BRIGANTINE autonomous surface vehicles

15:30 - 16:15 Round Table – From project results to operational applications, *dott Andrea Rosina (CORILA), dott.ssa Mirta Smodlaka (RBI), prof. Francesco Boscutti (UNIUD)*

16:15 - 16:45 Dissemination of the project results, *prof Anna Annibaldi (UNIVPM)*

16:45 - 17:15 Closing remarks, *dott.ssa Sabina Susmel (UNIUD)*

17.30 End of the day