



11th International Symposium
**“Monitoring of Mediterranean Coastal Areas:
problems and measurement techniques”**
Livorno (Italy) June 16-17-18, 2026

Museum of Mediterranean Natural History - Via Roma 234, Livorno

PROGRAMME

First Day – Tuesday, June 16, 2026

- 9.00 Registration**
- 10.00 Opening Ceremony – Presentation and Addresses by Authorities and Sympoarch**
- 10.40 *Coffee break; Posters installation*
- 11.00 Introduction by Sympoarch**, Marcantonio Catelani, University of Florence
- 11.10 Session Flora and Fauna of coastal ecosystems: protection, management, monitoring, Part I**
chairperson Davide Travaglini, University of Florence
- 11.20 *Anthropogenic Influence as a Driver of Plant Diversity in a Mediterranean Island Ecosystem: Insight from the Mljet National Park (Eastern Adriatic, Croatia)*
A. V. Alegro, V. Hršak, A. Rimac, V. Šegota,
- 11.40 *Monitoring and Assessing the Conservation Status of Dune Habitat Types by Standardized Protocols and Integrated Approaches: A Case Study in Southern Italy*
C. Caporusso, M. Adamo, L. Beccarisi, M. Semeraro, F.M. Rana, G. Albanese, V. Tomaselli
- 12.00 *LIFE RECLOAK: Restore and improve the conservation status of threatened forests by holm oak dieback*
G. Marino, F. Alderotti, A. Gori, S. Beltrami, R. Balestrini, F. Sillo, B. Scanu, A. Brandano, A. Deidda, C. Vettori, C. Garosi, A. P.M. Fabbri, C. Brunetti
- 12.20 *Thirty Years of Change: Monitoring Vegetation Dynamics in Two Maltese Coastal Saline Marshlands*
E. Puglisevich, G. Micallef, P. Palii, L. Camilleri, L. Schmidbauer, S. Lanfranco
- 12.40 Lunch break**
- 14.00-14.30 Posters viewing**
- 14.30 Session Flora and Fauna of coastal ecosystems: protection, management, monitoring, Part II**
chairperson Sandro Lanfranco, University of Malta
- 14.30 *Mapping restoration suitability for *O. edulis* in the Adriatic Sea using larval connectivity and human pressure indicators*
D. Carratù, C. Laurent, A. Petronio, C. Solidoro, R. Auriemma, S. Raicevich, D. Canu
- 14.50 *Estimating Species Coverage in Coastal Dunes through Strip Sampling*
R.M. Di Biase, L. Fattorini, S. Franceschi, A. Marcelli, M. Marcheselli, C. Pisani
- 15.10 *Historical and Molecular Tools for the Monitoring of the Photosynthetic Biodiversity of the Venice Lagoon*
F. Drigo, A. Saba, A. Pinto, I. Cecchini, I. Moro, C. De Pittà
- 15.30 *The effects of *Posidonia oceanica* beach wrack on seedlings of coastal dune plants*
V. Menicagli, C. Lardicci, E. Balestri
- 15.50 *Coffee break and Posters viewing*
- 16.10 *Biodiversity and Ecological Quality of Sublittoral Rocky Shore Habitats in Marine Protected Areas of the Aegean Sea after Extreme Heatwaves*
M. Pantelidou, C. Antoniadou, C. Chintiroglou
- 16.30 *Zooplankton biomass dynamics monitoring to support EU MSFD implementation in the W Mediterranean Sea*
M. L. Tovar-Salvador, E. Pérez-Rubín, N. Valcárcel-Pérez, J. Mercado, L. Yebra
- 16.50 Closing of first workday**
- 17.00 – 19.30 Event: Guided tour**

Second Day – Wednesday June 17, 2026

9.00 Opening of Secretary's Office

9.10 **Session *Geography, Tourism and Landscape of the coastal areas. Enhancement, safeguarding and dynamics of the territory***, chairpersons Antonietta Ivona, University of Bari – Claudio Saragosa University of Florence

9.20 *A geospatial inventory of transgressive dune fields of Sardinia*

G. Casagrande, D. Bertoni, A. Bezzi, A. Conforti, G. De Falco, G. Deiana, C. Kalb, C. Leccardi, D. Martinucci, M. Mineo Grippi, P.E. Orrù, S. Simeone, G. Fontolan

9.40 *The sea: cultural landscape and design tool. The study case of the Campi Flegrei in Campania*

D. Colafranceschi, L. Marinaro, G. Marino, M. Orabona

10.00 *Digital tourist imaginaries of Mediterranean coasts: a socio-visual analysis with convolutional neural network*
F. Corbisiero, C. Prospero

10.20 *Access to the Sea in Mediterranean Large Coastal Cities: Measuring and Mapping*

A. Ghersi, P. Burlando

10.40 Coffee break and Posters viewing

11.00 *Combating Coastal Erosion in Tourist Territory: The Case of Sant'Alessio Siculo (Province of Messina)*

G. Messina, E. Nicosia, G. Rombo, M. Spanò

11.20 *Evaluating and Communicating the Recreational Value of Coastal Ecosystems: the Ria Formosa Example.*

M. C. Neves, K. Salacova

11.40 *Urban Expansion under Tourism Pressure: Implications for Coastal Resilience*

A. Pedić, M. Trbojević, D. Mance

12.00 *Metabolic Planning in Mediterranean Contexts: Assessing the Etruscan Coast's Bioregional Dynamics*

C. Saragosa, M. Chiti, M. Tofanelli

12.20 *Evolution and Prospects of Italian Seaside Towns: the Case of the Adriatic Coast*

C. Zanirato

12.40 Lunch break

14.00-14.30 Posters viewing

14.30 **Session *Underwater and Coastal Cultural Heritage***, chairperson Marinella Pasquinucci, University of Pisa

14.40 *PALUDES. Implementation of Non-Invasive and Digital Techniques for the study of Vulnerable Heritage Spaces in the Bay of Cádiz*

E. Aragón Núñez; I. Rondán-Sevilla; L. Lagóstna-Barrios; M.J. López-Medina

15.00 *From Shoreline to Seascape: Understanding the Evolution of the Roman Sinus Urcitanus (Almeria) through Integrated Coastal and Underwater Survey*

M. J. López Medina, E. Aragón Núñez; I. Rodán-Sevilla

15.20 *Acoustic remote sensing for mapping, monitoring and communication of the underwater Cultural Heritage*

C. Violante, N. Abate

15.40 *"Battling the Sea: Integrated Strategies to Protect the Archaeological Heritage of Nora (Pula, Sardinia)"*

C. Pilo, G. Salis, F. M.P. Carrera, E. Romoli, W. Quarto, M. Stochino

16.00 Coffee break and Posters viewing

16.20 *IoT Monitoring and Digital Twin for the Active Conservation and Fruition of the Historical Coastal Heritage in the Amalfi Coast*

L. Candela, L. D'Amato, A. Di Benedetto, M. Fiani, B. Messina, L. Petti, M. Villani

16.40 *Coastal archaeology in Calabria Region: investigation and monitoring tools for territorial planning and active conservation purposes*

G. Quattrone

17.20 *The Porto Venere Fortress (Liguria, Italy): Building Materials and Conservation Issues*

F. Fratini, E. Maggiani, D. Pittaluga, S. Rescic

17.20 *Integrated Assessment of Geochemical and Microbial Interactions in the Decay Processes of Calcareous Sandstone at Caesarea Maritima*

N. Wieler, I. Nir, A. Van Zuiden, P. Gendelman, C. Urzi, O. Romeo, A. Kushmaro, Y. Asscher

17.40 Closing of second workday

Third Day Thursday June 18, 2026

9.00 Opening of Secretary's Office

9.10 Session *Morphology and evolution of coastlines and seabeds*, chairperson Giovanni Sarti, University of Pisa

9.20 *River delta morphodynamic adjustments to environmental and human influence in the Mediterranean*
E. Anthony, F. Zainescu, F. Tatui, F. Sabatier, A. Berbecariu

9.40 *Morphological variability of the geologically-controlled beach of San Giovanni di Sinis (Western Sardinia) in response to storm events*

S. Augusti, P. Ciavola, R. Brunetta, G. De Falco, A. Cucco, G. Quattrocchi, A. Conforti, S. Simeone

10.00 *Towards a Coastal Flood Early Warning System for the Veneto Region (Italy)*

A. Bezzi, G. Casagrande, C. Popesso, G. Fontolan, S. Fracaros, M. Favaro, A. Papa

10.20 *Estimation of cliff sediment supply on the Vrgada sandy beach (Vrgada Island, Croatia)*

O. Cohen, K. Pikelj

10.40 *Coffee break and Posters viewing*

12.00 *Aeolian Transport Measurements on Dunes using Innovative, Wireless Sand Traps*

E. Diana, G. Sarti, I. Cappelli, A. Pozzebon, F. Copetti, D. Bertoni

11.20 *Advancing Coastal Hazard Monitoring in the Mediterranean through Marine Robotic Technologies: Insights from the Interreg Maritime IT-FR AMIS Project*

R. Ferretti, M. Bibuli, G. Bruzzone, G. Bruzzone, M. Caccia, M. Giacobelli, E. Spirandelli, A. Odetti

11.40 *Implementation of a GIS Database for Monitoring 48 Beaches along the Western Coast of Sardinia (Mediterranean Sea).*

C. Kalb, A. Conforti, G. De Falco, V. Frisicchio, S. Simeone

12.00 *Direct measurement and indirect calculation of depth of closure on the Omiš-Duče sandy beaches (Croatia) and its importance for beach management purposes*

K. Pikelj, L. Lelas

12.20 *Advancing Coastal Delta Monitoring: Integrating SWOT Satellite Water Level Data for Predictive Modeling*

F. Zainescu, F. Tătui, F. Miron, E. Anthony

12.40 Lunch break

14.00-14.30 Posters viewing

14.30 Session *Coastal and Offshore Engineering*: chairperson Lorenzo Cappiotti, University of Florence

14.40 *High-spatial resolution wind energy assessment in port areas through mesoscale modeling: a case study at Ancona port*

D. Colarossi, V. D'Alessandro, M. Falone, L. Giammichele

15.00 *Automated Fish Counting & Species Recognition with AI Video Analysis*

N. Cukrov, A. Bedalov, M. Lovrić, A. Šiljeg, S. Orlić

15.20 *Monitoring of Microplastics in Port Sediments. Evaluation Of Different Analytical Methods*

J. Droit, C. Lacroix, M. Babinot, J. Receveur, S. Rohais, M. F. Romero Sarmiento, V. Yeuc'h, S. Goultquer

15.40 *Offshore Wind and Fisheries: Socioeconomic Impacts in the Strait of Sicily*

M. Gambino, V. Pipitone, E. Sabatella, A. Sbrana

16.00 *Coffee break and Posters viewing*

16.20 *Using Marine Socio-Ecological Framework to support MSP in the Western Mediterranean*

R. Gonçalves, D. Depellegrin, E. Ramos, C. De La Hoz, C. V.C. Weiss, A. G. Cabanillas, A. Puente, J. A. Juanes, C. Marti Llambrich

16.40 *Analysis of the Morphodynamic Evolution of Wave Action and the Intensification of Maritime Risk on the Valencian Community Coast (1958–2025)*

I. López, J.I. Pagán

17.00 *Development of a low-cost mini fluorometer for detecting low levels of phycoerythrin*

I. P. Morales-Aragón, M. J. Oates, F. Soto-Valles, R. Torres-Sánchez, J. Gilabert

17.20 *Environmental Aspects of Submarine Cable Laying and Their Role in the Energy Transition*

O. Nonnis, T. Bacci, D. Berto, F. Bertasi, R. Di Mento, M. Formalewicz, C. Gion, P. La Valle, B. La Porta, C. Mugnai, S. Noventa, P. Paganelli, F. Rampazzo, C. Sebbio, M. Targusi, E. Romano

17.40 *SOCIB: Integrated multi-platform real-time ocean observing in the Balearic Sea*

N. Wirth, B. Casas

18.00 Closing of Symposium

18.20 – 19.00 *Event: Guided tour to Museum of Mediterranean Natural History*

20.00 Award Ceremony and Social event

Poster Presentations

Session *Flora and Fauna of coastal ecosystems: protection, management, monitoring*

Evaluation of the diversity of Eunicella gorgonians (Octocorallia) from the Southern Mediterranean: integration of morphological and genomic data

N. Abbes, S. Sartoretto, R. Ghanem, J. Ben Souissi, L. Chaoui, M. H. Kara, S. Jaziri, M. A. G. Coelho, J.-B. Ledoux, M. Bally, L. Bahri Sfar, D. Aurelle

Decadal Assessment of Trophic Conditions in the Gulf of Trieste: Trends, Indices, and Climate Drivers (2010–2021)

A. Acquavita, N. Bettoso, M. Celio

Assessing Fire Risk in Taourirt Ighil Forest with GIS

T. Aitiche

The ichthyofaunal diversity in Sicilian estuaries: knowledge gaps and community evolution along time

M. Battiata, S. Lo Brutto

Conservation, Management and Biodiversity Assessment of the Tonga Arboretum, North-Eastern Algeria

F. Becir

Urban forest management and its effects on biodiversity through variation in deadwood and tree-related microhabitats in Rome

C. Borghi, D. Travaglini, G. Chirici, M. Marchetti, F. Parisi

Establishing a Temporal Baseline for Vegetation Change in Malta's Coastal Sand Dune Systems

L. Camilleri, S. Lanfranco

A buzz from the blue: latest insight into bottlenose dolphins in the central Tyrrhenian Sea

I. Campana, M. Paraboschi, R. Monti, G. Giovani

Halophila Stipulacea & Benthic Community. Preliminary Observations on Alien Specie in North- East Sardinia – La Maddalena Island – Italy - 2025

M. C. Carboni, V. Maloccu

Dissolved Organic Matter Dynamics in the Port of Livorno, New Insights from OMNIS Project

M. Carloni, N. Antonicelli, G. Bachi, E. Balestri, S. Bedini, A. Castelli, G. Checcucci, V. Evangelista, M. Guerrazzi, C. Lardicci, C. Tropea, S. Valsecchi, J. Tempesti, C. Santinelli

Fifteen Years of Monitoring Macroalgae Assemblages Along the Rocky Coasts of Tuscany

E. Cecchi, L. Piazzini, M. Ria, A. Nicastro, G. Marino, F. Lauricella, I. Dalle Mura, F. Gatti, A. Melley, M.L. Franchi

Long-term and broad-scale monitoring improves detection and assessment of invasive macroalgae: insights from 17 years of monitoring in Menorca

M. E. Cefali, J. Verdura, F. Tomas, J. Movilla, O. Reñones, J. Moranta, S. Molina, E. Cebrian

AI-Driven Approaches for Advancing Phenology Research in Mediterranean Ecosystems: A Review

C. Cesaraccio, A. Piga, D. Spano

Modernizing Kerkennah's Charfia: Artificial Habitat Enhances Benthic Biodiversity and Exotic Species Spread

N. Chamekh, R. Mejri, A. Badalucco, S. Lo Brutto

Use of MODIS NDVI data for monitoring actual evapotranspiration in a mediterranean coastal area

M. Chiesi, L. Fibbi, M. Pieri, B. Rapi, F. Maselli

When turtles choose us: protecting the invisible treasure of Capito

A. De Marco, V. Fanizzi, P. Salvemini

Institutional Efficiency as a Determinant of Sustainable Fisheries Management – Experimental Insights

B. Debelić, Da. Mance, Di. Mance

The Role of Posidonia Oceanica Banquettes and Their Ecosystem Services Along Southern and North-Western Coast of Sicily: Implications for Sustainable Coastal Management

I. Dentamare, V. Lauria, M. Calabrò, E. Chianese, U. Grande, E. Buonocore, P.P. Franzese, G.F. Russo, E.C. Sabatella

Human activities impact on conservation status of Caretta caretta in Tyrrhenian Sea (Campania, Italy)

E. Esposito, M. Oliviero, D. Iaccarino, M. De Bonis, G. Paduano, A. Affuso, S. Hochscheid, G. Galiero, F. Di Nocera

Monitoring of arboreal potential in semi-arid Mediterranean regions using remote sensing and geospatial techniques

A. Farroudj, A. Fougou, L. Aouidane

Silvicultural and vegetation restoration interventions in a coastal holm oak forest affected by Acute Oak Decline (AOD)

F. Ferraro, C. Rugge, A. Longo, S. Mennonna

Storm-driven habitat dynamics and breeding success of coastal birds on a sandbank (Marano and Grado Lagoon, NE Italy)

S. Fracaros, S. Sponza, A. Bezzi, G. Casagrande, C. Leccardi, D. Martinucci, S. Pillon, C. Popesso, S. Spadotto, G. Fontolan

The SA.PE.I power line (Gulf of Asinara, Sardinia, Italy) and the installation of anti-trawling modules: long term monitoring of fish fauna in a coastal environment

G. Franceschini, B. Catalano, B. Di Lorenzo, L. Ciaralli, E. Monfardini, U. Scacco, O. Nonnis

- Composition and structure of macro-phytobenthos in marine wrack on the beaches along the western coast of Istria*
A. Fućak, L. Iveša, Di. Mance, A. Bilajac, E. Gljuščić
- A new monitoring protocol for assessing the impact of abandoned fishing gears on coralligenous reefs within the strong sea life project*
P. Gennaro, S. Lomiri, P. Tommasetti, S. Di Muccio, M.F. Cinti, L. Piazzì
- Reaction of Some Varieties of the Malus Pumila Mill Apple Tree to Abiotic Conditions in the South of Hodna, Algeria*
M. Hamadani, F. Hoceini, A. Hoceini, N. Bouterra, M. Sellami
- Monitoring of Spatial Variation of Nutrients and Acidification Parameters in the Coastal Waters of Bou-Ismaïl Bay (Southwestern Mediterranean Sea)*
A. Inal, M. Benhalima, C. Boudades, R. Kherchache, Y. Benchama, S. E. Hazem, S. Gheribi, L. Daoudi
- Comparative Study of Benthic Foraminifera Between a Posidonia Oceanica Meadow and an Underwater Cave at Tipaza (Baie De Bou Ismail, Algeria, Sud-West Mediterranean)*
H. Kennouche, C. Harouz
- Floristic Study of Coastal Dunes in Eastern Algeria*
H. Khennouf
- Monitoring the Vegetation Cover Changes within an Italian Transgressive Dune System: the Case of Pistis (Sardinia, Italy)*
C. Leccardi, A. Bezzi, F. Petruzzellis, D. Martinucci, G. Casagrande, G. Fontolan
- Assessment of seabed habitats subjected to physical damage along the Sicilian coastline within the framework of the Marine Strategy (D. lgs. 190/2010) through the use of multiparametric indices*
F. Luzzu, V. Pennino, S. Campanella, A. Abita
- Monitoring of macroalgae using the CARLIT methodology along the coasts of the Circeo Promontory and the Islands of Ventotene and Zannone*
E. Madeo, T. Notargiacomo, L. Aguzzi, M. Giganti
- Marine litter ingested. by loggerhead sea turtle Caretta caretta (Linnaeus, 1758) in Tuscany waters (North-Western Mediterranean Sea)*
C. Mancusi, G. Terracciano, M. Senese, M. Maestrini, L. Marsili, A. Melley
- Caretta caretta nesting in Tuscany (Northwestern Mediterranean Sea): an update of a new expansion phenomenon*
C. Mancusi, A. Melley, L. Marsili, F. Capanni, L. Minoia, Y. Galletti, M.A.L. Zuffi, M. Maestrini, F. Bellagamba, I. Fabbri, F. Procacci, V. Capitani, A. Argenio, C. Olobardi, I. Tonso, L. Ardita, C. Giannelli, L. Papetti, D. Pagli, L. Tonelli
- Optimal Sites for the Conservation of the Critically Endangered Pinna Nobilis*
M. F. Mesquida-Sastre, R. González, R. Santiago-Doménech, E. Álvarez, M. Vázquez-Luis
- Life Tetide project, first steps in the management of invasive plant species in Mediterranean island ecosystems*
A. Misuri, R. Benesperi, L. Dell'Olmo, B. Foggi, M. Giunti, M. Mugnai, D. Viciani, L. Lazzaro
- Dual contribution of phytoplankton and microphytobenthos to coastal ecosystem functioning: Insights from a spring survey in Tamentfoust (Algerian coast)*
Z. Mokrane
- Satellite-Based Posidonia oceanica Mapping in Complex Waters*
M. Mole, N. Basos, M. Chowdhury, M. Ramirez, I. De La Calle
- The Hidden Biodiversity of the Lidi Ferraresi: the Structuring Role of Submerged Reefs*
C. Munari, U. Tessari, M. Mistri
- Roots damage in sea turtle nest: cases from Tuscany indicative for nest management*
D. Pagli, D. Scaravelli, M. Marcucci, M. Cristini, L. Fattorosi, L. Papetti
- Harmful Algal Blooms Events along Coast of The Southern Tyrrhenian Sea (Italy): Focus on Phytoplankton Producer of Toxins and their Accumulation in Molluscs*
A. Pepe, M. Oliviero, D. Capozzo, V. Castellano, M. Esposito, P. Gallo, G. Paduano, D. Iaccarino, E. Esposito, F. Di Nocera, S. Canzanella
- Supporting the Recovery of Paracentrotus lividus Populations in the Mediterranean: Reseeding Experiments and Monitoring Tools*
L. Piacentini, O. El Idrissi, M. Demolliens, A. Libeau, J.-F. Luca, S. Gaillard, A. Vela, J.-J. Filipp2, V. Pasqualini, S. Ternengo
- Monitoring of coralligenous cliffs in Meloria Shoals Marine Protected Area through the STAR protocol*
L. Piazzì, A.M. Debiassi, L. Pacciardi, M. Pertusati, M.F. Cinti, A. Porchera, C. Pretti
- Exploring the ecological suitability of biochar-based concrete for marine uses: evidence from pioneering laboratory and field experiments*
M. Piccardo, S. Bevilacqua
- Smart Technologies for Sustainable Water Use in Mediterranean Agroecosystems*
A. Piga, S. Bortolu, E. Vagnoni, P. Duce, C. Cesaraccio

- Eusharks Life Project: Role of the ITCG in the Conservation and Safeguard of Mediterranean Elasmobranchs. Data Collection, Training, Operational Protocol and Results Analysis*
M. Pisconti, F. Galeano, E. De Sabata, F. Spagnuolo, S. Clo
- Seasonal Gametogenesis and Sexual Maturity of European Anchovy *Engraulis encrasicolus* (Linnaeus, 1758) (*Clupeiformes: engraulidae*) in the Gulf of Béjaïa, Algeria*
A. Rahmani, M. Iguer-Ouada
- The critical status of the striped venus clam exploited by fishery in the Southern Adriatic Sea is not just a case of overfishing*
P. Ricci, D. Cascione, G. Cipriano, F. P. De Luca, R. Carlucci
- Describing macro-epibenthic communities and geomorphology of biogenic outcrops through underwater photogrammetry: preliminary findings from the Northern Adriatic Sea*
A. Sabino, M. Cosma, A. Bergamasco, F. Bernardi Aubry, S. Donnici, I. Guarneri, G. Pessa, A. Volpi Ghirardini, L. Tosi, M. Sigovini
- The Evolution of Colonization Success and Failure in a Marine Snail: Implications for Monitoring and Managing Coastal Ecosystems*
B. Sammarco, R. Biello, D. Carmelet Rescan, L. Bosso, R. K. Butlin, K. Johannesson, A. M. H. Blakeslee, A. M. Westram, B. Han, L. Mizzan, M. J. Magalhães, R. M. Macieira De Faria, L. Locatello, A. Chang, A. Benazzo, F. Raffini
- The Social Dimension of Beached Posidonia Management: Investigating Stakeholders' Willingness to Adopt Sustainable Banquettes Management Practices in The Metropolitan City of Bari*
A. Santacesaria, G. Motta Zanin
- Autochthonous microorganisms as indicators of the state and changes in the marine environment*
D. Šantić, A. Vrdoljak Tomaš, S. Šestanović
- Analysis of Automatic Identification System (AIS) Data to Evaluate the Impact of Shipping Traffic on North-West Mediterranean Particularly Sensitive Sea Area (NW-PSSA)*
I. Santic, A. Capone, M. Marrazzo, B. Sorgente, M. De Lauro, S. Mauro
- Quantifying the resilience of coastal phytocoenoses through a trait-based Adaptation Index*
L. Schmidbauer, G. Micallef, J. Buhagiar, S. Lanfranco
- The Missing Link: Integrating Microbial Indicators into Descriptor 4 (Marine Strategy Framework Directive)*
S. Šestanović
- URCHIN Project in AMP Parco Sommerso di Gaiola and ZSC IT8030041 "Gaiola and Nisida Marine Seabeds"*
M. Simeone, L. Piazzini, G. Mazzeri, V. Somma, P. Masucci
- Five-Year Monitoring Study of the Macrozoobenthic Communities in the Port of Livorno*
M. Targusi, F. Bertasi, L. Marusso, D. Vani, S. Porrello, L. Grossi, T. Bacci, B. La Porta, S. Macchia, P. Gennaro, L. Morroni, M. Colombo, P. Tomassetti
- Spatial-temporal Variation of Fouling Alien Species in the Port of Livorno (Italy) and its Relationship with Dissolved Organic Matter (DOM)*
J. Tempesti, L. Romani, M. Carloni, S. Valsecchi, C. Santinelli, C. Lardicci, E. Balestri, A. Castelli
- Changes in Small Pelagic Fish Assemblages in the Adriatic Sea – A Challenge for Future Management*
V. Tičina
- Temporal Dynamics of Dissolved Organic Matter (DOM) at four Mediterranean coastal sites*
C. Tropea, N. Antonicelli, G. Bachi, E. Balestri, S. Bedini, M. Carloni, M. Castellano, A. Castelli, M. Celussi, G. Checcucci, M. Coci, C. De Vittor, M. Furia, M. Guerrazzi, G. Luna, S. Magozzi, F. Margiotta, F. Massa, P. Povero, G. Quero, S. Retelletti Brogi, D. Sarno, L. Vezzulli, C. Santinelli
- Conservation & Human Use Index: A practical tool for identifying conflicts and synergies between conservation goals and human use in coastal areas*
P. Vayanou, P. Georgiou, C. Kounnamas, N. G. Eliades
- Socio-ecological approach for Mediterranean Integrated Coastal Zone Management (ICZM) under Global Change*
I. Vincent, G. Kokkoris, S. Malatesta, G. Tsirtsis
- Feeding Ecology of Nine Marine Fish Species from the Eastern Adriatic: Implications for Ecosystem Monitoring and Management*
B. Zorica, M. Šestanović, G. Brzulja, V. Vuletin, P. Kuzmanić, F. Rožić
- Session Geography, Tourism and Landscape of the coastal areas.
Enhancement, safeguarding and dynamics of the territory.**
- MedCoast: A living lab to study Nature-based Solutions in the French Mediterranean coast*
E. Antonsanti, A. Varenne, B. Boutroué, T. Leydier, M-L. Tremelo, V. Pasqualini, P. Monfort, S. Robert, S. Ghiotti
- Evaluating the influence of sustainable tourism (3S) on the coastal area within the framework of ICZM through the lens of sustainable development in the coastal region of North Cyprus*
T. Arefipour

- Little-Known and Neglected Aspects of the Industrialization of the Tuscan Coast Between the Nineteenth and Twentieth Centuries*
F. Berti C. Faralli, M. De Vincenzi, G. Fasano
- The Cinque Terre National Park as a laboratory for integrated governance for coastal sustainability*
G. Bianchi, E. Raso, F. Marchese, M. Perrone, I. Lavarello
- The Seaside Holiday Colonies of Calambrone (Pisa, Italy) in the 1930s*
B. Casini, M. De Vincenzi, G. Fasano
- Processes and methodologies. Strategic masterplan for New Regional Maritime District of Friuli Venezia Giulia*
G. Casolino, T. Bisiani
- Palermo's Wounded South-Eastern Coast: Beyond Regeneration, Towards Urban Care?*
C. Di Lucchio
- The Touristic Importance of the Libyan Coast: The Heritage Sites and Development of Sustainable Tourism. The Case of Leptis Magna*
F. T. Ermaih
- "From Protection to Governance: The Experience of the Marine Protected Area (MPA) of "Taza" (Algeria, Southwestern Mediterranean)*
S. E. Guedri, S. C. Chakour, I. Yahiaoui
- Integrating coastal conservation and cycling sustainable tourism: a case study from the Dune Costiere Park, Apulia (Italy)*
A. Ivona, D. Privitera
- Emergy Analysis and Bioregional Approach: A Method to Sustainable Evaluation of Coastal Regions*
G. Lombardini
- Temporary Wetlands at Risk: Challenges and Perspectives from the Salt Lakes of Cyprus*
M. S. Lux, J. N. Tzortzi
- Between Participation and Power: Rethinking Environmental Governance in Mediterranean Island Protected Areas*
M. Marianetti
- Navigating Towards Sustainability: An Approach to Environmental Externalities in Recreational Boating*
R. M. Martínez Vázquez, J. Uribe Toril, N. Rueda López, J. De Pablo Valenciano, J. R. Pires Manso, J. Milán García, J. L. Caparrós Martínez, F. J. García Corral
- Cultural geography in practice: the experience of Sopralluoghi in Messina (Sicily)*
G. Messina
- Coastal Risk Management Between Basin-Scale Dynamics and Metropolitan Governance: The "Lame" System of the Metropolitan City of Bari*
G. Motta Zanin, A. Barbanente, M. Mossa
- The Waterfront of the Port of Naples: Strategic Redevelopment, Sustainability, and Digital Innovation*
G. Petraroli
- Digital communication For Sustainable Tourism: An LLM-Based Virtual Assistant in Stintino (Sardinia, Italy)*
N. Pinna, S. Malvica, M. G. Masia, E. Corona, D. Carboni
- Bergeggi and Gallinara, Small Islands in the Ligurian Coastal Area: Past and Present Uses of the Sea*
N. Varani, K. Mamayusupova

Session Underwater and Coastal Cultural Heritage

- Memory of Water: A Prehistoric Underwater Landscape at the Balzi Rossi Caves*
A. Arellano, A. Traverso, B. Peyrano, A. Cascio, V. Huet, G. Théulière., C. Dimiez, P.-E. Moullé, P. Simon
- From the estuary to the marshes: research on the ancient historical and archaeological heritage of the shores and paleocoast of Lacus Ligustinus*
L. G. Lagóstena Barrios, I. M. Rondán-Sevilla, E. Aragón Núñez, M. J. López Medina
- Christ the Redeemer of Maratea: a lighthouse of hope for the Mediterranean*
A. Pellettieri
- The fragility of beauty: the story of the Castrocucco landslide in Maratea*
A. Pellettieri
- Vivara Island. Integrated processes for digitization, data analysis and visualization*
L. Repola, M. A. Letizia, S. Ilacqua, N. Scotto Di Carlo, G. Varriale
- DUNEH Project: Non-Invasive Diagnosis of Cultural Landscapes in Doñana*
I. M. Rondán-Sevilla, E. Aragón Núñez, L. Lagóstena Barrios, M. J. López Medina
- The «Pearls of the Bay of Algiers»: between Ottoman-era Defensive Heritage and Contemporary Urban Ambitions*
A. Touil

Session Morphology and evolution of coastlines and seabeds

Morpho-Evolutionary Assessments Following Dune System Restoration: Impacts on Geomorphological and Sedimentary Balances and Implications for Coastal Flooding at Poetto Beach (Cagliari, Southern Sardinia, Italy)

N. Buchignani, M. Costa, R. Ledda, A. Menzione, A. Pitzalis, M. Verzoni

Sediment Grain-Size Reveals Little Longshore Redistribution: The Case of the Seno di Treggiano Beach (Liguria, Italy)

E. Diana, G. Sarti, L. Salvadori, D. Bertoni

Essay of Morphodynamic Classification of Non-Estuarine Beaches in Morocco by Multivariate Methods

I. Farhaoui

Mapping flood risk and hazard for extensive mediterranean coastal areas – the approach of the flood risk management plan of Eastern Alps River District

M. Ferri, F. Lombardo, D. Norbiato

From Classical Predictors to Morphodynamic Modulation: the Role of the Iribarren Number in Tombolo Formation Behind Detached Breakwaters

I. García Ortiz, V. Negro Valdecantos, J. Lopez Santos

Measuring to Manage: the Compactness of Posidonia oceanica Banquettes as an Indicator for Sustainable Coastal Strategies

J. Giampaolletti, A. Arani, E. Casoli, A. Conforti, M. Conti, S. Dastoli, S. Simeone, L. Sinapi, L. Nicoletti

Assessment of Hydromorphological Alterations and Anthropogenic Impacts along the Southern Coastline of the Patraikos Gulf, Western Greece

N. Katrivesis, V. Boumpoulis, N. Depountis, G. Papatheodorou

Analysis of Coastal Vulnerability to Sea Level Rise and Flood Risks on Critical Infrastructure: the Case of Bodrum Peninsula (Türkiye)

T. Kuleli, Ş. Bayazit

Assessing the Potential of Nature-Based Solutions for Coastal Wetlands – A Hydro-Ecological Study of Mediterranean Temporary Lagoons

T. Leydier, M. Astruc, E. Garel, M. Garrido, S. Santoni, S. Ton-Thât, I. Quiquerez, L. Hugot, F. Huneau, V. Pasqualini

Beach monitoring on Hvar Island, Croatia (2020-2025): results and trends

M. Mićunović, S. Faivre

A methodology to transfer the uncertainty on future sea level scenarios into the risk assessment of related impacts

A. Minigher, D. Giaiotti, E. Gianesini, F. Pittaro, M. Pittis

Integrative Monitoring of Physical-Biogeochemical Coupling in Lake Kinneret: A Template for Stratified Aquatic Ecosystems

I. Ostrovsky

Application of USV and UAV systems for high-resolution topo-bathymetric modelling and monitoring of coastal environments

J. I. Pagán, L. Bañón, I. López

Coastal evolution and inundation hazard for the nesting site of Villa Santa Lucia (LI)

D. Pagli, G. Olivieri, M. Marcucci, M. Cristini, L. Papetti

Mapping the bathymetry in the Israeli coastal areas using the VEN μ S images

L. Paller Deri, Y. Toledo, A. Karniel

Quantifying Beach Rotation Patterns in Mediterranean Pocket Beaches: The Naxos Case Study

G. Saitos, F. Sabatier, N. Evelpidou, F. Tatui, A. Karkani, E. Spyrou, E. Anthony

Lagoon Dynamics, Anthropogenic Pressures, And Adaptive Governance in a Changing Coastal Territory

S. Serrelli, A. Depalmas, B. El Boudour Jayari

Spatiotemporal Evolution of Coastal and Port Vulnerability Through UAV-Based Monitoring: The Case of the Municipality of Thebes (Greece)

C. N. Tsaimou, N. Benakis, P. Sartampakos, V. K. Tsoukala

Potential of Nature-based Solutions for coastal management: Insights from coastal stakeholder perspectives in the French Mediterranean

A. Varenne, B. Boutroue, T. Leydier, E. Antonsanti, M-L. Trémélo, V. Pasqualini, P. Monfort, S. Robert, S. Ghiotti

Monitoring and Morphological Evolution Assessment of Lido di Dante beach, in Emilia-Romagna, Italy

E. Vecchi, S. Gandolfi, N. De Nigris, F. E. Pizzera, D. Petillo

Implementation of a continuous monitoring network in the Marano and Grado Lagoon: Towards an integrated surveillance system

N. Venica, M. Celio, F. Pittaluga, A. Acquavita

Session Coastal and Offshore Engineering

Development and Validation of an Automated Marine Sampler for Environmental Monitoring in Shallow Coastal Ecosystems

A. Abenza Alonso, I. P. Morales-Aragón, R. Torres-Sánchez, F. Soto-Vallés, Ó. de Francisco Ortiz

Characterization of extreme wave storms for long-term wave climate assessment

S. Ameer, Z. Jiangb, L. Cappiotti

Coupled Hydrodynamic and Biogeochemical Modeling for the Orbetello Lagoon: Assessing Climate Change & Eutrophication Effects

M. Azzabi, D. Canu, I. Scroccaro

An Integrated Satellite and In-Situ Methodology for Large-Area Coastal Water Quality Monitoring and Digital Twin Applications

V. Belgiorno, L. Candela, L. D'Amato, A. Di Benedetto, M. Fiani, J. M. Lisena, G. Oliva

Advanced Coastal Monitoring Using a X-Band Marine Installed on the UMRO Mobile System Developed by ISPRA within the MER Project

A. Bianco, A. Orasi

Development and Validation of a Hybrid Navigation System for Autonomous Surface Vehicles in GNSS-Denied Environments

M. Bibuli, R. Ferretti, G. Kurshakov, T. Cosso

Wool-based biomonitoring approach for assessing environmental pollution in Mediterranean areas

S. Bortulu, E. Azara, P. Duce

Experimental Assessment of Stilling Wave Basin Performance in Reducing Wave Overtopping

L. Cappiotti, N. Bahadiroglu, D. Kisacik

Importance of High Frequency Monitoring to Protect Bivalve Production in Ria Formosa Coastal Lagoon, South Portugal: CONNECT+ Project

A. Cravo, E. Garel, J. Jacob, E. Macieira, M. Rodrigues

Complexity and development of the Italian ports system in the updated ISPRA mapping

F. D'Ascola, M. L. Cassese, P. Gyssels, N. Luger, V. Pesarino, A. Salmeri

Influence of Rainfall on CO₂ Dynamics and Microclimate in the Bue Marino Cave (Sardinia, Italy): Ecohydrological Evidence and Comparison with Mediterranean and Tropical Karst Systems

M. De Vincenzi, G. Fasano

*DNA barcoding as a tool for enhancing traceability of anchovies (*engranulus Encrasicolus* L.) fished in the Italian southern Adriatic Sea*

M. De Virgilio, D. De Paola

High Concentrations of Certain Trace Metal Elements in Martinique Port Sediments. A Natural or Anthropogenic Origin?

J. Droit, K. Reboul

*Baseline Assessment of Biochemical Biomarkers in Different Tissues of Blue Crab (*Callinectes sapidus*)*

B. Fernández, F. Acosta-Cifuentes, T. Oporto Guerrero, I. Franco Navarro, C. Martínez-Gómez

A Coastal Digital Twin for Integrated Monitoring of Erosion, Water Quality and Built Heritage Vulnerability

M. Fiani, A. Di Benedetto, L. Candela, L. D'Amato, L. M. Gujski, J. M. Lisena

Mercury Levels in demersal fish and coastal sediments of Tuscany: spatial trends and implications for ecosystem health

D. Giani, F. Gatti, F. Lauricella, C. Mancusi, M. Ria, D. Verniani, A. Melley

Incidence of Salmonella in Coastal Bathing Waters in the Wider Split Area, Croatia

S. Jozić, N. Baumgartner, A. Vrdoljak Tomaš

Characterizing Anthropogenic Underwater Noise Near the Port of Haifa, Mediterranean Sea

B. Katsnelson, D. Manulchev, M. Shipton, R. Diamant

CHIME-Like Hyperspectral Simulation for Coastal Water Discharge Detection

P. Koutsantoni, M. Kremezi, V. Karathanassi, P. Di Lauro², G. Ceriola², A. Aiello, J. A. Vargas-Solano³, E. Lamboglia

The unintentional introduction of marine invasive alien species by means of maritime transport. The juridical framework: where do we stand?

I. Lolli

Reconstruction of Wave Elevation from X-Band Marine Radar Systems: the Port of Livorno

G. Lunghi, F. Serafino

*Profitability and Sustainability in Sea urchin (*Paracentrotus Lividus*) Fisheries in a Mediterranean Area*

F. A. Madau, R. Vargiu, B. Arru, G. Ceccherelli, G. Romagnoli, S. Farina

Integrating collaboration, sustainability and innovation in inland regeneration: the territorial Business Model approach

V. Marchi, F. Martelli, L. Vidas, A. M. Bondi, G. Del Turco, E. Conti

First assessment of per- and polyfluoroalkyl substances (PFAS) in loggerhead turtle (Caretta caretta) blood along the Tuscan coast (NW Mediterranean), 2024–2025

M. Mazzetti, L. Pierro, A. Agostini, R. Signorini, A. Melley, C. Mancusi, M. Senese, M. Maestrini, L. Marsili

Towards very high resolution climate scenarios for coastal areas

A. Minigher, C. Cioffi, C. Moro, D. Giaiotti, E. Giancesini, M. Zampar, S. Bacer

The implementation of a Landscape Information Modelling (LIM) for the preservation of biodiversity in coastal dunes and landscape protection from tourism pressure

P. Picuno, R.L. Capobianco, Z. Godosi, F. Bua, C. Cataldi, M. Manna

Català: a new electric cross-border interconnection between Catalonia and Sardinia

G. Raimondi, M. Marini

Marine Energy Systems for Sustainable Environmental and Energy Management

R. Romano, M. F. Leone, S.P. Canese, M. C. Vigo Majello

Development of a Multi-Sensor Methodological Framework for Autonomous Data Acquisition and Coastal Change Analysis - Case Study: Martinska (Croatia)

A. Šiljeg, I. Marić, N. Cukrov, F. Domazetović, M. Lovrić², S. Orlić

Hydrodynamics-Based Design Optimization of a Hexagonal Floating Energy Island Concept

W. Xinru, Z. Jiang, Z. Pan, L. Cappietti