



S.it.E. - Società Italiana di Ecologia

XXXIV CONGRESSO NAZIONALE S.it.E

Ecologia e sostenibilità: strategie per affrontare le sfide del terzo millennio

Dipartimento di Scienze e Tecnologie Ambientali, Biologiche e Farmaceutiche (DiSTABiF)
Università degli Studi della Campania "Luigi Vanvitelli"

Via Vivaldi 43/Viale Lincoln 5, Caserta

PROGRAMMA

Mercoledì 17 Settembre 2025

9:00-11:00	Registrazione al Congresso Allestimento Poster
AULA MAGNA BENEDETTO DI BLASIO (Aula A2)	
11:00-12:00	CERIMONIA DI APERTURA E SALUTI ISTITUZIONALI Interverranno: Prof.ssa Flora A. Rutigliano (Presidente S.it.E. e Presidente Comitato organizzatore), Prof. Giovanni Francesco Nicoletti (Rettore Università degli Studi della Campania "Luigi Vanvitelli"), Prof. Furio Cascetta (Prorettore Green Energy e Sostenibilità Ambientale, Università degli Studi della Campania "Luigi Vanvitelli"), Prof.ssa Angela Chambery (Direttrice DiSTABiF), Prof. Paolo V. Pedone (Presidente CUN); Prof.ssa Elisa Anna Fano (Presidente FISNA), Prof.ssa Antonella Penna (Presidente S.I.B.M.), Prof. Emilio Padoa-Schioppa (Presidente SIEP-IALE), Dott. Domenico D'Alelio (Presidente AIOL) Si terrà inoltre la consegna dei premi "Brusarosco" e "Moroni".
12:00-12:50	Sessione Plenaria: Prof.ssa Maria Francesca Cotrufo (Dept. of Soil and Crop Science, Colorado State University, USA) <i>Regenerating soil organic matter for the benefit of climate and food production: A systemic multifaceted approach</i> Chair: S. Castaldi
12:50-14:00	PAUSA PRANZO

AULA MAGNA BENEDETTO DI BLASIO (Aula A2)

14:00:15:30

TAVOLA ROTONDA 1: L'approccio *One Health* per un futuro sostenibile (Chairs G. Maisto, F.A. Rutigliano)

Interverranno: Dott.ssa **Leopardi Stefania** (Medico veterinario dirigente, Istituto Zooprofilattico Sperimentale delle Venezie (IZSve)), Dott.ssa **María Victoria Marinelli** (Capo Unità Istituto di Alti Studi Mario Gulich e Vice Direttrice per la Formazione della Commissione Nazionale per le Attività Spaziali - CONAE - del governo argentino), Prof. **Ioannis Vogiatzakis** (Ordinario di Ecologia, Università degli Studi di Bari Aldo Moro), Prof. **Fausto Manes** (Professore emerito di Ecologia, Sapienza Università di Roma), Prof.ssa **Simona Castaldi** (Ordinario di Ecologia, Università degli Studi della Campania "Luigi Vanvitelli")

15:30-16:30

AULA A1

Capitale naturale, servizi ecosistemici e contabilità ambientale (SP5)
Chairs: P.P. Franzese, F. Manes

AULA A2

Ecosistemi e cambiamento climatico (SP3)
Chairs: S. Castaldi, G. Battipaglia, A. Pusceddu, C. Arena

AULA A3

Effetti del disturbo sui sistemi ecologici (SP2)
Chairs: D. Baldantoni, F. De Nicola, S. Papa, A. De Marco

AULA B2

L'ecotossicologia tra regolamentazione e nuove sfide per la sostenibilità ambientale (SP4)
Chairs: A. Binelli, A. Finizio

AULA D1

Ecologia ed educazione alla sostenibilità (SP10)
Chairs: G. Barbiero, S. Pinna

15:30-15:45

Regulating Ecosystem Services: Spatial Modelling of PM₁₀ and O₃ Removal by Alpine Forests in the Province of Trento, Italy
F. Figurati*, L. Nardella, F. Manes, U. Grande, E. Buonocore, C. Parente, P.P. Franzese

Climate Change Drives Cryptic Elevational Shifts and Body Size Increases in a Riparian Bat
D. Russo, M. Aldasoro Lessea, C. Belli, C. Borgonovo, I. Ekklesiarkos, G. Jones, V. Meola, I. Migliaresi, M. Di Domenico, M. Polizzi, J. Ratcliffe, B. Sestovic, L. Cistrone

Scaling ecological impacts of anthropogenic noise: a global review of knowledge gaps and future research priorities
G. La Manna, A. Pansini, G. Morello, A. Crobu, G. Sarà, G. Ceccherelli

Ecotoxicological effects of Tire Road Wear Particles (TRWPs) collected from different asphalts
S. Magni, L. Nigro, C. Cremonesi, G. Caorsi, C. Della Torre, D. Maggioni, L. Mastacchini, L. Del Giacco, A. Diana, *et al.*, A. Binelli

Habitat tree: home for biodiversity. Outreach and environmental education opportunities
E. Padoa-Schioppa, E. Cardarelli, D. Corengia, C. Canedoli

15:45-16:00

The role of ecosystem condition in urban ecosystem service models and assessments: a critical review
J. Babi Almenar, D. Stucchi, R. Casagrandi

Wildfire effect on growth performance and ecophysiology of *Fagus sylvatica* and *Pinus nigra*
G. Battipaglia, C. Basilicata, C. Menestrina, F. Niccoli, E. D'Andrea, N. Rezaie, M. Sarti, S. Castaldi

Listening to *Posidonia oceanica* meadows: temporal and spatial patterns of fish acoustic community in a Marine Protected Area and boat noise effects
G. Morello, G. La Manna, G. Sarà

Flocculants and Microplastics: Efficiency, Sustainability, and Ecotoxicological Risk
C. Cremonesi, S. Magni, G. Caorsi, C. Della Torre, A. Binelli

Social perception and biodiversity conservation in productive forests: comparison between Italy and Germany
A. Paletto, C. Sergiacomi

16:00-16:15

A Mechanistic, Individual-Based Model to Simulate

Advanced IoT Sensors for In-Situ Validation of Late-

Sedimentary organic matter and meiofauna responses

Early warning system beyond standard ecological

Citizen Science in action: tracking species of

16:15-16:30	Urban Tree Growth and Ecosystem Service Dynamics <u>D. Stucchi</u> , J. Babí Almenar, R. Casagrandi	winter warming and severe weather jointly advance grapevine phenology in Piedmont, Italy <u>A. Calisi</u> , D. Gualandris, D. Rotondo, C. Lorusso, F. Dondero	to a dystrophic event in a coastal lagoon (S'Ena Arrubia, Western Sardinia, Italy) <u>F. Cariccia</u> , F. Palmas, G. Pinna, V. Santinelli, M. Baroli, A. Pusceddu	assessment: Teratogenic risk in freshwaters <u>G. Cesarini*</u> , F. Spani, M. Scalici	(European) Union concern through the "AilantItaly" project <u>F. Compagnone</u> , M. Varricchione, A. Stanisci, L. Ancillotto, C. Angiolini, D.S. Antonacci, E. Badalamenti, S. Bagella, D. Barbato, <i>et al.</i> , M.L. Carranza
	Eco-physical modelling of cultural capital: A conceptual framework <u>M. Casazza</u>	Soil temperature and land use influence earthworms' richness across European soils <u>G. Nicolosi</u> , C. Mulder	Preliminary assessment of structural and functional variations in macrobenthic assemblages impacted by mechanical harvesting of bivalves in the Southern Adriatic Sea <u>P. Ricci</u> , D. Cascione, F. Nasi, F.P. De Luca, G. Cipriano, A. Catacchio, R. Carlucci	Multi-Tier Assessment of PVA-Based Liquid Dishwasher Pods on <i>Danio rerio</i> Embryos: the Hidden Impact of Additives <u>G. Caorsi*</u> , C. Cremonesi, L. Nigro, S. Gazzotti, M. Ortenzi, S. Magni, C. Della Torre, A. Binelli	Ecological and Social Preferences for the Management of Forest Bathing Sites in Italy <u>S. Baldessari</u> , A. Paletto, S. Sacchelli

***Candidata/o a premio Ireneo Ferrari (migliore comunicazione)**

17:00-19:00	VISITA AL PARCO REALE
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Giovedì 18 Settembre 2025

AULA MAGNA BENEDETTO DI BLASIO (Aula A2)

9:00-9:50

Sessione Plenaria: Dr. Salvatore Aricò (Amministratore delegato dell'International Science Council, Paris)
The current polycrisis and foresight in sustainability: A need for a new ecology?
 Chair: P.P. Franzese

10:00-11:00

AULA A1

Ecologia del suolo: dalla conoscenza alla gestione sostenibile (SP7)
 Chairs: F.A. Rutigliano, G. Maisto, R. D'Ascoli

AULA A2

Capitale naturale, servizi ecosistemici e contabilità ambientale (SP5)
 Chairs: P.P. Franzese, F. Manes

AULA A3

Ecosistemi e cambiamento climatico (SP3)
 Chairs: S. Castaldi, G. Battipaglia, A. Pusceddu, C. Arena

AULA B2

Reti trofiche ed ecologia di comunità (SP1)
 Chairs: E. Calizza, S. Vizzini, E.A. Fano

AULA D1

Effetti del disturbo sui sistemi ecologici (SP2)
 Chairs: D. Baldantoni, F. De Nicola, S. Papa, A. De Marco

10:00-10:15

Soil organic carbon pool as affected by wildfires in a Southern Italy coastal pinewood
F.A. Rutigliano, L. Marfella, R. Marzaioli, R. D'Ascoli, M.F. Spatola, G. Pazienza, S. Strumia, E. Padoa-Schioppa, P. Mairota

Modelling the dynamics of multiple Ecosystem Services in the lagoon of Venice
S. Rampoldi*, S. Rova, F. Pranovi, D. Brigolin

Mediterranean coastal lagoons: plankton community responses to an experimental summer heatwave
S. Pulina, A. Di Cesare, P. Casiddu, M. Cherchi, L. Kamburska, B. Manca, R. Piscia, C. Pittalis, I. Rosati, R. Sabatino, J. Titocci, I. Vaccarelli, B.M. Padedda

Metabolic responses to climate warming scenarios in the Adriatic Sea
M. Shokri, L. Lezzi, M. Ciotti, F. Vignes, P. Taban, V. Marrocco, V. Alabi, D. Olatoye, A.N. Muresan, P. Forni, T. Semeraro, E.A. Fano, A. Basset

Effects of Gadolinium on *Cyclops abyssorum* during Alpine Winters
A. Gabetti, C. Mossotto, F. Provenza, A. Maganza, S. Anselmi, G. Esposito, V. Riina, A. Griglione, S. Squadrone, M. Renzi, A.C. Elia, M. Prearo, P. Pastorino

10:15-10:30

Collembola Communities as Indicators of Post-Fire Succession in Mediterranean soils: Ecological and Management Implications
L. Santorufo, M. Zizolfi, G. Santini, V. Memoli, R. Barile, G. Maisto

Sustainable recovery of Rare Earth Elements (REEs) and treatment of contaminated waters using *Galdieria daedala*: an integrated biotechnological system for natural capital regeneration
E. Pozzuoli*, C. Auciello, S. Avilia, M. Iovinella, M. De Stefano, S. Papa, C. Ciniglia

Climbing the gradient: diatom taxonomic and functional diversity patterns along elevational shifts in temporary ponds
D. Taurozzi, M. Scalici

Fish Community Structure and Condition across Three Nigerian Lakes: Implications for Biodiversity and Conservation
O.T. Julius, F. Zangaro, R. Massaro, F. Marcucci, A. Cazzetta, F. Sangiorgio, J.B. Olasunkanmi, V. Specchia, O.O. Julius, A. Basset, M. Pinna

Influence of plastisphere on lake metabolism across diverse ecosystems
V. Nava, S. Chandra, F. Dory, M. Spreafico, E. Carson, B. Leoni

10:30-10:45	Assessing the impact of agroecological practice combinations on ecosystem services: a meta-analysis from European agriculture <u>N. Cecchinato</u> , M.V. Chiriaco, R. Valentini	Integrating Ecosystem Accounting into Decision Making: The System of Environmental Economic Accounting-Ecosystem Accounting (SEEA-EA) Framework <u>U. Grande</u> , F. Rendina, E. Buonocore, P.P. Franzese, GF. Russo	Impact of lake drying and nutrient inputs on greenhouse gas emissions in Arctic ecosystems <u>E. Calizza</u> , D. Giannini, G. Careddu, M. Azzaro, F. Azzaro, R. Salvatori, D. Rossi, V. Pasquali, S. Sporta Caputi, M. Ventura, R. Zitelli, L. Rossi, M.L. Costantini	Reassessing the ontogenetic trophic shift in <i>Caretta caretta</i>: insights from a systematic review and stable isotope analysis <u>G. Signa</u> , G. Cilluffo, F. Berlinghieri, N. Srivastava, D. Bruno, C.D. Tramati, G.A. De Lucia, G. Buffa, R. Disclafani, G. Schirò, V. Monteverde, S. Vizzini	Cyanobacteria like it salty? A long-term study from Lake Trasimeno <u>B. Caldaroni</u> , A.C. Elia, R. Gentile, A. Ludovisi
10:45-11:00	A sustainable strategy for the recovery of soils degraded by mining activity <u>T. Di Santo</u> , M.A. Jiménez-González, T. Fresno, R. Marzaioli, L. Marfella, G. Battipaglia, F.A. Rutigliano, C. García-Delgado	Developing the ecosystem accounting for coastal wetlands: A Sardinian case study <u>E. Serra</u> , E.M.D. Porporato, A. Pusceddu, T. Luisetti	Quantity and quality: how climate change can alter the environmental conditions of Alpine rivers <u>A. Marino*</u> , S. Bertolotti, M. Macri, F. Bona, S. Bonetta, E. Falasco, M. Minnella, S. Fenoglio	Plankton food webs as indicators of the ecosystem status to support the Marine Strategy Framework Directive: a case study from Campania region (Italy) <u>D. Bellardini</u> , L. Russo, M. Abagnale, V. Botte, A. Buondonno, R. Casotti, G. Del Gaizo, <i>et al.</i> , D. D'Alelio	Invasive alien species as emerging bioindicators of environmental pollution: potential, limitations, and perspectives <u>P. Pastorino</u> , A.C. Elia, G. Esposito, M. Renzi, E. Pizzul, M. Bertoli, M. Prearo, D. Barceló, C. Sonne

***Candidata/o a premio Irene Ferrari (migliore comunicazione)**

11:00-11:30	COFFEE BREAK
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11:30-13:15	AULA A1 Conservazione e gestione di specie e habitat minacciati (SP6) Chairs: D. Russo, G.F. Russo	AULA A2 Ecologia del Paesaggio ed analisi spaziale degli ecosistemi (SP9) Chairs: M.L. Carranza, E. Padoa-Schioppa, I. Petrosillo	AULA A3 Ecosistemi e cambiamento climatico (SP3) Chairs: S. Castaldi, G. Battipaglia, A. Pusceddu, C. Arena	AULA B2 Reti trofiche ed ecologia di comunità (SP1) Chairs: E. Calizza, S. Vizzini, E.A. Fano	AULA D1 Effetti del disturbo sui sistemi ecologici (SP2) Chairs: D. Baldantoni, F. De Nicola, S. Papa, A. De Marco
11:30-11:45	Paving the way for conservation of fragile ecosystems: drivers of diversity and abundance of pollinators on small Italian islands	Spatio-temporal patterns of pine canopy mortality in response to hotter-drought events: the role of landscape ecohydrology	Biodiversity and ecosystem responses to climate change <u>A. Basset</u> , M. Shokri	Glaciers' ecological networks: Insights from two Italian glaciers <u>R. Ambrosini</u> , F. Pittino, B. Valle, A. Crosta, L. Varchetta, F. Ficetola, M. Caccianiga, B.	A novel method for the assessment of plant reactions to environmental disturbances

11:45-12:00	G. Brambilla*, A. Galimberti, P. Biella Modelling the ecological drivers of European groundwater copepods' distributions to guide biodiversity conservation in subterranean aquatic environments F. Cerasoli*, D.M.P. Galassi, M. Guéguen. W. Thuiller	<u>G. Gatica</u>, J. Gyenge, M.E. Fernández Evaluation of drought-induced water stress on holm oak (<i>Quercus ilex</i> L.) and wild olive trees (<i>Olea europaea</i> L. var. <i>sylvestris</i> Brot.) in Mediterranean forests by remote sensing: a case study from the Sardinia region, Italy <u>F. Bullegas</u>, M. Marignani	Assessing <i>Cymodocea nodosa</i> seedling development under ocean acidification scenario <u>A. Pansini</u>, A. Crobu, M. Moro Merella, P. Nomikou, G. Ceccherelli	Di Mauro, M. Gobbi <i>et al.</i>, A. Franzetti Supraglacial algae biodiversity in an alpine glacier (Forni Glacier, Lombardy) <u>F. Dory</u>, V. Nava, L. Toniolo, R. Ambrosini, A. Franzetti, F. Pittino, A. Crosta, B. Valle, L. Varchetta, F. Mensa <i>et al.</i>, B. Leoni	<u>R. Zappalà</u>, L. Gavazzeni, M. Gandolfi, J. Babi Almenar, R. Casagrandi Global change experiments in mountain ecosystems: A systematic review <u>M. Dainese</u>
12:00-12:15	Studying habitat trees and biodiversity: from research to conservation implications <u>C. Canedoli</u>, D. Corengia, E. Cardarelli, E. Padoa-Schioppa	Identify priority areas for protection and restoration action by assessing spatiotemporal changes in forest connectivity in Sicily (1990–2018) <u>M. Petrillo</u>, E. Badalamenti	The Spread of IAS in the Mediterranean and the relation with Climate Change <u>M. Shauer</u>	DNA metabarcoding of the gut microbiota in an Italian alpine dung beetle community <u>G. Natta</u>, S. Voyron, E. Lumini, A. Laini, A. Roggero, A. Fiorito, A. Rolando, C. Palestini	Exergy Analysis of a Mediterranean Forest Ecosystem: Insights into Energy Dynamics and Ecological Efficiency <u>D. Lombardi</u>, E. Sciubba, M. Vitale
12:15-12:30	Promoting Barn Swallow Conservation for Sustainable Fly Control and Livestock Welfare in Dairy Farms <u>A. Costanzo</u>, A.E. Lazzarin, M. Brambilla, M. Caprioli, S.E. Mckinlay, A. Novelli, A. Romano, F. Roseo, D. Rubolini, R. Ambrosini	Reconciling climate change resilience and biodiversity objectives in a Mediterranean beech forest landscape: alternative management simulation modelling and trade-off assessment S. Puccinelli*, J. Brûna, G. Vacchiano, S. Brocco, P. Mairota	The effect of pH levels on the cellular metabolism of <i>Anemonia viridis</i> in natural habitat: a metabolomic approach <u>M. Pishchalkovska</u>, B. Billè, M. Galati, F.P. Mancuso, M. Romeo, M. Russi, M.F. Tantilo, M. Bosch-Belmar, T. Cappello, G. Sarà, M. Maisano	Spatial and temporal trends of macroinvertebrates communities in small Alpine catchments <u>D. Ricaldone</u>, M. Vanek, F. Vallefucio, R. Bottarin	The principle of energy equivalence as a guideline for the implementation of closer-to-nature forest management <u>T. Anfodillo</u>, G. Pasqualotto, M. Hussai, A. Maritan
12:30-12:45	Moth and vegetation diversity in Mediterranean coastal dunes: insights from	Urbanization reshapes spider diversity: current impacts and future gains from green space	Limits under pressure: the case study of <i>Ellisolandia elongata</i> resilience during a rare prolonged low tide	Investigating phenological mismatches between bumblebees and their brood parasites in a	Effects of grassland management practices on soil microbial functions and multifunctionality

	a Central Adriatic eLTER site in Italy M. del Valle Rasino, S. Fattorini, A. Sciarretta, M. Innangi, A. Stanisci, M.L. Carranza	expansion A. Piquet, M. Tolve, E. Piano, M. Isaia	event E. Vitale, S. Frascchetti, R. Donadio, G. Costanzo, L. Licciardi, E. Fabbrizzi, C. Arena	bumblebee-diversity hotspot E. Serafini, A. Chiocchio, G. Chiatante, F. Cerini, D. Delle Monache, D. Canestrelli	A. Esposito, E. Picariello, M. Gómez-Brandón, F. Fornasier, F. De Nicola
12:45-13:00	A topological perspective on the spatiotemporal evolution of meta-communities – insights from Algerian charophytes A. Bellino, D. Baldantoni, A.A. Saber, H. Zouaidia	Spatio-Temporal Landscape Transformation in the Monti Prenestini (Rome): Insights from Remote Sensing and Landscape Ecology M. Vitale, G. Perna, D. Lombardi	Local ecological knowledge as a tool for marine conservation: insights into species dynamics and climate perception across the Italian coastline M.F. Tantillo, M. Bosch-Belmar, M.C. Mangano, G. Sarà	An ecological model to investigate how specialization shapes abundance, persistence and rarity in plant-pollinator networks A. Coppola, L. Mari, R. Casagrandi	Organic pesticide spatial and temporal variations in wildflowers – the role of plant diversity and the risk for wild pollinators in protected areas M. Napoletano, D. Baldantoni, L. De Riso, V. Baldi, A. Palomba, A. Bellino
13:00-13:15	Impact of microsporidia on <i>Pacifastacus leniusculus</i>: a study of <i>Astathelohania contejeani</i> infection G. Fea, V. Paolino, D. Ghia, A. Gazzola, T. Pretto, A. Basso	Sustainable management of UNESCO landscapes L. Ria, E. M. Lovello, P. Tartara, D. Valente, I. Petrosillo	Assessing the impact of climate change on thermal habitat suitability of the European clam <i>Ruditapes decussatus</i> in Sardinian Lagoons F. Palmas, A. Gentili, S. Cabiddu, V. Pasquini, M.F. Tantillo, M. Bosch-Belmar, P. Addis, G. Sarà, A. Pusceddu	Trophic relationships among microarthropods along a vertical gradient M. Zizolfi*, J. Z. Lu, L. Santorufo, A. Potapov, G. Maisto	Tracing Disease-X risk in Indonesia and India with high-resolution ecological and mobile data: from emergence areas to nodes of global spread D. Bogani, L. Mari, R. Casagrandi

***Candidata/o a premio Ireneo Ferrari (migliore comunicazione)**

13:15-14:30	PAUSA PRANZO
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AULA MAGNA BENEDETTO DI BLASIO (Aula A2)	
14:30-16:00	TAVOLA ROTONDA 2: Ruolo degli Ecologi nelle realtà territoriali Interverranno: Dott. Federico Silvestri (Gestione sostenibile di ecosistemi agricoli e terrestri - ISPRA) Dott.ssa Maria Grazia Aquila (Direttrice Area analitica e responsabile Laboratorio regionale Mare - ARPA Campania), Dott.ssa Teresa Verde (Coordinamento Nazionale dei Biologi Ambientali - CNBA), Dott. Costantino Caturano (Presidente Parco Regionale Taburno Camposauro, Funzionario di elevata qualificazione, Settore Ambiente - Comune di Benevento), Dott. Giovanni Saviello (Sottufficiale dei Carabinieri Forestali)

SPAZI ANTISTANTI ALLE AULE	
16:00-17:00	SESSIONI POSTER I poster saranno esposti per tutta la durata del Congresso e discussi (davanti al poster) nelle sessioni dedicate, riportate di seguito
17:00-17:30	COFFEE BREAK
AULA MAGNA BENEDETTO DI BLASIO (Aula A2)	
17:30-19:00	ASSEMBLEA DEI SOCI
PALAZZO PATERNÒ	
20:30-23:00	CENA SOCIALE

Venerdì 19 Settembre 2025

AULA MAGNA BENEDETTO DI BLASIO (Aula A2)

9:00-9:50	Sessione Plenaria: Dr. Vanessa Stelzenmüller (Johann Heinrich von Thünen Institute, Inst. of Sea Fisheries, Bremerhaven, Germany) <i>Enhancing marine conservation through better marine spatial planning: Science gaps, practical solutions, and recommendations</i> Chair: S. Fraschetti
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10:00-11:00	AULA A1 Reti trofiche ed ecologia di comunità (SP1) Chairs: E. Calizza, S. Vizzini, E.A. Fano	AULA A2 Ruolo dell'Ecologia in conservazione, restauro e pianificazione (SP8) Chairs: S. Fraschetti, G. Sarà	AULA A3 Ecosistemi e cambiamento climatico (SP3) Chairs: S. Castaldi, G. Battipaglia, A. Pusceddu, C. Arena	AULA B2 Ecologia ed educazione alla sostenibilità (SP10) Chairs: G. Barbiero, S. Pinna	AULA D1 Effetti del disturbo sui sistemi ecologici (SP2) Chairs: D. Baldantoni, F. De Nicola, S. Papa, A. De Marco
10:00-10:15	First survey of epibenthic diatom assemblages on marine seagrasses in the Arabian Gulf C. Auciello* , C. Pennesi, C. Ciniglia, M. Iovinella, E. Pozzuoli, S. Papa, S. Avilia, L. Rabaoui, M. De Stefano	Protecting Connections: A Network-Based Assessment of Marine Protected Areas in the Central Mediterranean Sea <u>S.M. Bellù</u> , A. Di Franco, S. Russo, C. Bommarito, E. Somma, A. Calò, M. Di Lorenzo, S. Giakoumi, G. Milisenda, C. Cattano, M. Milazzo, G. Franzitta, I. Epifani, P. Melià	Influence of forest plant community biodiversity and fire on soil C and N cycling and related greenhouse gas fluxes <u>S. Castaldi</u> , E. Grilli, M. Piccolo, G. Pedana, R. D'Ascoli, M. Pirozzi, R. Marzaioli, E. D'Andra, C. Landi, G. Busico, G. Battipaglia	The Evolution of Love. An educational framework to understand the history of Life <u>G. Barbiero</u>	The role of plant traits in shaping fire-prone communities <u>M. Baudena</u> , S. Bernardi, A. de Toma, R. Díaz-Sierra, M. Magnani, G. Ottaviani, L. Sweeney, G. Vissio, sPLOT Contributors, M. Carboni
10:15-10:30	New insights on <i>Acanthaster planci</i> outbreak in the Gulf of Oman (United Arab Emirates) <u>E. Concari</u> , E. Montalbetti, D. Maggioni, F. Cerri, H. Stahl, A. Landes, P. Galli, D. Seveso	Spatial network dynamics and emergent properties in shallow rocky reef ecosystems <u>I. Galbiati</u> , A. Coppola, M. Andreello, R. Casagrandi, P. Melià	Soil microbial community response along afforestation dynamics differs between two mountain areas in Northern and Central Italy <u>S.C. Panico</u> , G.L. Sciabbarrasi, L. Orzan, A. Foscari, A. Tomao, G. Alberti, G. Incerti	Tobacco smoke in the water: the <i>Daphnia magna</i> lesson S. Pinna, M. Moccaldi, S. Pozzi, S. Villa	Assessing soil impacts in Mediterranean forest sites affected by wildfire disturbance <u>L. Marfella</u> , R. Marzaioli P. Mairota, E. Padoa-Schioppa, G. Pazienza, M.F. Spatola, S. Strumia, F.A. Rutigliano

10:30-10:45	Influence of spring conditions on the distribution and abundance of ichthyoplankton in the Southern Tyrrhenian Sea (Western Mediterranean) <u>D. Di Paola</u> , Y. Guglielmo, R. Minutoli, R. Ferreri, A. Granata	Connectivity network analysis to inform marine spatial planning: insights from the Central Mediterranean A. Schiavo, W. Zupa, I. Bitetto, M.T. Spedicato, C. Piccardi, P. Meliá	Psychrophilic and psychrotolerant fungi: an exclusive club of extremophilic organisms <u>P. Buzzini</u> , C. Sannino, G. Mugnai, D. Andreani, L. Borruso, B. Turchetti	Engaging citizens on the management of aquatic invasive alien species: the 'GuardIANs of the biodiversity' OpenLab A. Marchini, C. Bellotti, E. Zecchi, D. Paganelli	Fire refugia recovery trends and patterns across Mediterranean pine forest ecosystem <u>M.F. Spatola*</u> , L. Marfella, E. Padoa-Schioppa, F.A. Rutigliano, I. Vogiatzakis, P. Mairota
10:45-11:00	Ecological community succession on plastic panels in a polluted marine environment <u>S. Casabianca</u> , M. Basili, S. Capellacci, F. Ricci, A. Penna, E. Manini	Enhancing <i>Posidonia oceanica</i> restoration with nursery-grown seedlings: a seed-based approach exploiting early life history traits <u>C. Pezzilli</u> , A. Alagna, V.M. Giacalone, A. Zenone, G. D'Anna, F. Badalamenti, C. Di Napoli, C. Robello, F. Pelizza, M. Chiantore, V. Asnaghi	AI for Nature: The Nature 4.0 concept <u>F. Renzi</u> , R. Valentini		The joint diversity of plant and springtail communities in Mediterranean urban ecosystems <u>V. Baldi*</u> , M. Napoletano, A. Bellino, P.P. Zappia, L. Santorufo, G. Maisto, J. Cortet, D. Baldantoni

***Candidata/o a premio Ireneo Ferrari (migliore comunicazione)**

11:00-11:30	COFFEE BREAK				
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11:30-13:15	AULA A1 Ecologia del Paesaggio ed analisi spaziale degli ecosistemi (SP9) Chairs: M.L. Carranza, E. Padoa-Schioppa, I. Petrosillo	AULA A2 Ruolo dell'Ecologia in conservazione, restauro e pianificazione (SP8) Chairs: S. Frascchetti, G. Sarà	AULA A3 Ecosistemi e cambiamento climatico (SP3) Chairs: S. Castaldi, G. Battipaglia, A. Pusceddu, C. Arena	AULA B2 Conservazione e gestione di specie e habitat minacciati (SP6) Chairs: D. Russo, G.F. Russo	AULA D1 Effetti del disturbo sui sistemi ecologici (SP2) Chairs: D. Baldantoni, F. De Nicola, S. Papa, A. De Marco
11:30-11:45	The quest for conservation allies in Mediterranean islands and beyond <u>I. Vogiatzakis</u> , M. Stavriniades	Insights for future seagrass restoration: the effects of canopy density and thermal conditions on <i>Posidonia oceanica</i> seedlings <u>P. Stipcich</u> , A. Pansini, R. Rubattu, G. Ceccherelli	Sedimentary organic matter characteristics along a natural pH gradient at Vulcano Island (Mediterranean Sea) <u>A. Pusceddu</u> , C. Ennas, A. Pansini, A. Crobu, G.	Conservation status of the Italian marine biodiversity under the EU Habitats Directive (92/43/EEC): updates and methodological challenges <u>S. Melchiori*</u> , V. Asnaghi, F.	Machine learning-based framework for forecasting mass-mortality events in Mediterranean coralligenous habitats <u>J. Castro-Gutiérrez</u> , M. Bosch-Belmar, F.P. Mancuso,

11:45-12:00	The fragility of Special Areas of Conservation in the Broad Area Site “Murge” <u>D. Valente</u>, E.M. Lovello, A. Albano, I. Petrosillo	From zygote to forest in the restoration of <i>Cystoseira crinitophylla</i> too slow to recover? <u>F. Rendina</u>, S. D’Ambros Burchio, F. Cerciello, A. Metalli, E. Buonocore, P.P. Franzese, G.F. Russo, A. Falace	Temperature variations in the below-ground compartment of <i>Posidonia oceanica</i> meadows <u>L. Pedicini</u>, F. Blanco-Murillo, E. Guscelli, I. Olivè, E. Dattolo, J. Pazzaglia, I. Provera, U. Cardini, D. Moccia, A. Pusceddu, G. Procaccini, F. Bulleri	The recovery capacity of the critically endangered bamboo coral, <i>Isidella elongata</i>, in the Otranto Strait highlights the need for conservation measures <u>G. Chimienti</u>, R. Bakiu, I. Bitetto, L. Calcagnile, A. Carluccio, M. D’elia, G. D’Onghia, P. Maiorano, W. Zupa, G. Quarta, P. Carbonara	Remove or not remove: a protocol for assessing the impact of abandoned fishing gear removal on coralligenous habitat <u>F. Pelizza</u>, A. Azzola, F. Atzori, V.M. Atzeni, N. Cadoni, L. Carosso, M.L. Garcia Gutiérrez, I. Mancini, C. Paoli, L. Piazzzi, M. Montefalcone
12:00-12:15	Assessing Drivers of Dieback in Mediterranean Evergreen Forests using Remote Sensing <u>F. Pontieri</u>, M.L. Carranza, M. Di Febraro, M. Pereyra Almena, E. Rico, M. Innangi	Designing Climate-Resilient Plant Communities through Trait-Based Multi-Objective Optimisation <u>K. Micalizzi</u>, D. Lombardi, M. Vitale	Integrating 4D Refugia and Hotspot Analysis into Scenario-Based Climate-Smart Marine Spatial Planning <u>A. Rizzi*</u>, S. Menegon, M. Fianchini, S. Zunino, D. Canu, E. Gissi	Update on the status of <i>Pinna nobilis</i> populations in the Venice Lagoon: spatial patterns of mortality, environmental drivers and age-dependent survival <u>M. Sigovini</u>, A. Sabino, G. Mazzero, I. Guarneri, D. Curiel, A. Bergamasco, F. Carella	Microplastic pollution in a lowland spring-fed watercourse of Northwestern Italy <u>M. Bertoli</u>, P. Pastorino, S. Anselmi, T. Bentivoglio, G. Goriup, G. Esposito, M. Prearo, A.C. Elia, M. Renzi, E. Pizzul
12:15-12:30	The resource-based habitat concept: from butterflies to all life forms <u>S. Fattorini</u>, R.L.H. Dennis	Reinforcing urban biodiversity: flower strips and unmown meadows as tools for small scale habitat enhancement <u>R. Ranalli</u>, A. Galimberti, M. Labra, P. Biella	Assessing Marine Heatwaves and Cold Spells along the Italian coastline: implications for benthic mass mortalities <u>S. Dimarca*</u>, M. Bosch-Belmar, F.P. Mancuso, G. Sarà	Evaluating the impact of a beach wrack (<i>Posidonia oceanica</i>) management approach on coastal dune habitats <u>V. Menicagli</u>, E. Balestri, C. Lardicci	Host-parasite dynamics in a polluted world: behavioural responses of <i>Artemia parthenogenetica</i> to parasites and global pollutants <u>G. Polverino</u>, M. Favero, M. Palomba, D. Canestrelli
12:30-12:45	Analysis of the relationships between NDVI, LST, and land use:	Expanding the role for plant historical collections in habitat conservation,	Vulnerable species mortality and warm-water species spread in a	First assessment of the ecological status of transitional water in Emilia-	The Imbalance of Nature: the role of species environmental responses

	comparison between urban and forest areas <u>E.M. Lovello</u> , D. Valente, A. Albano, I. Petrosillo	restoration and planning <u>M. Leonardi</u> , A.C. Araujo, A. Salili-James, Q. Gu, B. Scott, N. Brummitt	changing Mediterranean Sea <u>A. Azzola*</u> , R. Martellucci, V. Di Miccoli, M. Sartore, I. Mancini, C.N. Bianchi, C. Morri, M. Montefalcone	Romagna Po River basin, based on fish fauna biological quality element <u>M. Lanzoni</u> , M. Gaglio, A. Gavioli, F. Vincenzi, D. Cardi, F. Moroni, A. Scibona, C. Montecorboli, D. Giuliano, S. RedolfiBristo, P. Franzoi, G. Castaldelli	for community stability <u>F. Polazzo</u> , T. Til Hämmi, O. Petchey, F. Pennekamp
12:45-13:00	Underwater photogrammetry in low visibility environments for ecological characterization and biomonitoring: preliminary findings <u>A. Sabino</u> , A. Bergamasco, F. Bernardi Aubry, M. Cosma, S. Donnici, I. Guarneri, G. Pessa, L. Tosi, A. Volpi Ghirardini, M. Sigovini	Proforestation as a driver of avian vocal activity in a Mediterranean forest: insights from passive acoustic monitoring <u>G. Marcoz</u> , F. Boscutti, L. Orzan, A. Tomao, H. Marjanovic, G. Alberti	Assessing ecological communities' structure and dynamics in Mediterranean transitional water ecosystems through environmental DNA metabarcoding <u>F. Zangaro*</u> , V. Specchia, M. Pinna	Assessing the macrobenthic community of lotic ecosystems for the conservation of the native crayfish <i>Austropotamobus pallipes</i> in north-western Italy <u>D. Ghia</u> , G. Fea, B.I. Benini, M.C. Contini, A. Garofolin, G. Guareschi, K. Palmik-Das, E. Pedrotti, M. Rinaldi, F. Ercoli	A Bio-Based Alternative for Emerging Contaminants: The Promise of <i>Galdieria daedala</i> <u>S. Avilia</u> , E. Pozzuoli, S.C. Di Prisco, C. Auciello, M. Iovinella, M. De Stefano, C. Ciniglia, S. Papa
13:00-13:15	Optimizing fungicide deployment in a connected crop landscape while balancing epidemic control and environmental sustainability <u>D. Bevacqua</u> , D. Martinetti, A. Radici	Use of a soil health index as tool to evaluate the effect of a new improver to restore degraded soil <u>R. Marzaioli</u> , T. Di Santo, R. D'Ascoli, L. Zaccariello, E. Coppola, G. Battipaglia, S. Castaldi, M.L. Mastellone, F.A. Rutigliano	Climate variability and long-term trends in Harmful Algal Blooms: insights from <i>Dinophysis</i> dynamics in the northwestern Adriatic Sea (1998–2023) <u>G. Ravera*</u> , M. Cangini, F. Ricci, S. Capellacci, F. Grilli, C. Ferrarin, S. Casabianca, S. Milandri, G. Prioli, M. Marini, A. Penna	Comparing morphological and DNA-based biomonitoring for evaluating biodiversity and ecological status in river ecosystems using macroinvertebrates <u>L. Gruppuso</u> , T. Bo, S. Guareschi, F. Bona, S. Voyron, A. Laini	Enhancing soil and plant biodiversity via marine waste-derived organic amendments <u>E. Picariello</u> , M. Napoletano, D. Baldantoni, A. Bellino, A. Langella, M. Mercurio, F. Izzo, M. De Sanctis, C. Di Iaconi <i>et al.</i> , F. De Nicola

***Candidata/o a premio Ireneo Ferrari (migliore comunicazione)**

13:15-14:30	PAUSA PRANZO
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14:30-15:30	AULA A1 Ecologia del suolo: dalla conoscenza alla gestione sostenibile (SP7) Chairs: F.A. Rutigliano, G. Maisto, R. D'Ascoli	AULA A2 Capitale naturale, servizi ecosistemici e contabilità ambientale (SP5) Chairs: P.P. Franzese, F. Manes	AULA A3 Ecosistemi e cambiamento climatico (SP3) Chairs: S. Castaldi, G. Battipaglia, A. Pusceddu, C. Arena	AULA B2 L'ecotossicologia tra regolamentazione e nuove sfide per la sostenibilità ambientale (SP4) Chairs: A. Binelli, A. Finizio	AULA D1 Effetti del disturbo sui sistemi ecologici (SP2) Chairs: D. Baldantoni, F. De Nicola, S. Papa, A. De Marco
14:30-14:45	Linking Behavioural Bioassays and Soil Biodiversity as an Integrated Strategy for Environmental Quality Assessment <u>L. Federico*</u> , V. Tatangelo, F. Pittino, C. Russo, L. Nigro, S. Pozzi, E. Vegini, S. Citterio, A. Franzetti, S. Villa	The impacts of Atlantic blue crab on provisioning services in the Sacca di Goro lagoon, Po River delta <u>M. Gaglio</u> , M. Lanzoni, F. Vincenzi, G. Castaldelli	Toward reliable metrics of ecosystem resilience to droughts in the Mediterranean Basin biome <u>M. Torrassa</u> , M. Baudena, E. Cremonese, M.J. Santos	Ecotoxicological evaluations of Lunar Regolith Simulants: new data for future challenges <u>A. Narciso</u> , P. Grenni, C. De Carolis, L. Rolando, D. Borello, P. Marzioli, F. Piergentili, V. Ancona, A. Barra Caracciolo	Microplastics trigger enhanced carbon degradation in oligotrophic coastal marine sediments <u>L. Chiacchio</u> , G. D'Ascanio, S. Cheratzu, F. Cherchi, V. Donnarumma, M. Maxia, A. Pusceddu, P. Addis, A. Cau
14:45-15:00	Effectiveness of green compost in enhancing soil quality in an agricultural soil co-contaminated by antibiotics and copper <u>C. De Carolis</u> , A. Barra Caracciolo, L. Ciadamidaro, M. Chalot, A. Narciso, L. Rolando, P. Grenni	Global seagrass ecosystems blue carbon <u>B. He</u> , L. Mari	Satellite Data in Remote Forests: Nature4.0's Role in the RemoTrees Project <u>F. Tagliacarne</u> , V. Coppola, F. Renzi, R. Valentini	One Health Insights into the Bioaccumulation and Neurotoxicity of PFAS <u>F. Dondero</u> , D. Rotondo, D. Gualandris, M. Manfredi, N. Thomaidis, G. Mancinelli, A. Calisi	Marine plastic litter in mangrove forests: insights from the endangered ecosystems of the Maldives <u>F. Cerri</u> , S. Mohamed, P. Galli
15:00-15:15	Can microbial-based biopolymers and algal and cyanobacterial biomass improve soil properties? <u>W. Ali</u> , R. Marzaioli, E. Coppola, V. Zammuto, G. Santini, L. Marfella, C. Gugliandolo, M. Morabito, G. Maisto, F.A. Rutigliano	Carbon storage capacity of Posidonia oceanica matte: an assessment through the System of Environmental Economic Accounting – Ecosystem Accounting (SEEA-EA) framework <u>L. Capasso</u> , E. Buonocore, P.P. Franzese, C.D. Tramati, S. Vizzini, G.F. Russo	Monitoring Biotic Stress in a Changing Climate: The Potential of IoT Technologies for Tree Management <u>S. Riggi</u>	Adapt or perish? Physiological and ecological strategies of brown algae <i>Dictyota dichotoma</i> along natural pH gradients at Fuencaliente (La Palma, Canary Islands) <u>R. Donadio*</u> , C. Sangil, M. Sansón, D. Álvarez- Canali, E. Vitale, S. Frascchetti, C. Arena	

15:15-15:30		Environmental accounting in marine habitat restoration: a case studies selection for future sustainability perspectives F. Ruggeri, C. Paoli, P. Vassallo, V. Asnaghi, M. Chiantore, L. Meroni, C. Pezzilli, F. Pelizza, I. Rigo, <i>et al.</i> , F. Ape			Whole transcriptome analysis of the coral <i>Pachyseris speciosa</i> subjected to intermittent and continuous darkness <u>L.M. Toniolo*</u> , D. Seveso, F. Cicala, R.A. Avelar, E. Montalbetti, P. Galli, J.K. Chee Haw, W. L. Ow Yong, D. Huang, J. Tanzil, Y. Didier Louis
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***Candidata/o a premio Ireneo Ferrari (migliore comunicazione)**

	SPAZI ANTISTANTI ALLE AULE
15:30-16:30	SESSIONI POSTER I poster saranno esposti per tutta la durata del Congresso e discussi (davanti al poster) nelle sessioni dedicate, riportate di seguito

	AULA MAGNA BENEDETTO DI BLASIO (Aula A2)
16:30-17:30	CERIMONIA DI CHIUSURA E CONSEGNA PREMI

SESSIONI POSTER (SP1-SP5)

Reti trofiche ed ecologia di comunità (SP1) Chairs: E. Calizza, E.A. Fano, S. Vizzini	Effetti del disturbo sui sistemi ecologici (SP2) Chairs: D. Baldantoni, F. De Nicola, S. Papa, A. De Marco	Ecosistemi e cambiamento climatico (SP3) Chairs: S. Castaldi, G. Battipaglia, A. Pusceddu, C. Arena	L'ecotossicologia tra regolamentazione e nuove sfide per la sostenibilità ambientale (SP4) Chairs: A. Binelli, A. Finizio	Capitale naturale, servizi ecosistemici e contabilità ambientale (SP5) Chairs: P.P. Franzese, F. Manes
SP1.1 Seasonal isotopic niche structure of dominant pelagic and benthic species in Kongsfjorden, Svalbard Islands <u>G. Careddu</u>, R. Zitelli, S. Sporta Caputi, M. Ventura, D. Giannini, F. Antonelli, S. Stefanni, M. Saggiomo, E. Papale, M.L. Costantini, E. Calizza SP1.2 Exploring phytoplankton community dynamics through eDNA metabarcoding across size-fractionated assemblages in a coastal marine ecosystem <u>S. Casabianca</u>, S. Capellacci, G. Ravera, F. Ricci, A. Penna SP1.3 The burden of formalin: metabarcoding analysis on mesozooplankton samples preserved in buffered formalin from the Gulf of Trieste <u>E. Chiarabelli</u>*, A. de Olazabal, A. Goruppi, S. D'Ambros Burchio, M. Solitto, A. Pallavicini, V. Tirelli	SP2.1 Responses of Alpine bird communities to Storm Vaia and Bark Beetle outbreaks in the Central Alps <u>R. Ambrosini</u>, A. Costanzo, S.H. McKinlay, L. Varchetta, M. Franzini, L. Ilahiane SP2.2 Otolith morphology and growth variations in <i>Citharus linguatula</i> populations subjected to different fishing pressure: a comparison between Sicilian and Sardinian populations. <u>E. Asciutto</u>*, A. Bellodi, E. Fodde, C. Follesa, F. Longo, M.C. Mangano, P. Battaglia SP2.3 Seasonal dynamics of herbaceous and microbial communities in Mediterranean urban green spaces – the role of management strategies <u>V. Baldi</u>, M. Napoletano, A. Bellino, D. Baldantoni	SP3.1 Effects of simulated marine heat waves on sediment biogeochemistry of a Baltic coastal lagoon <u>F. Cariccia</u>, F. Palmas, T. Politi, S. Bonaglia, M. Baroli, A. Pusceddu, M. Žilius SP3.2 Experimental assessment of warming effects on vermetid reef metabolism along a complexity gradient <u>L. Caviglia</u>, M. Bosch-Belmar, F.P. Mancuso, A. Provenzale, M. Tantillo, R. Chemello, G. Sarà SP3.3 Effects of an Experimental Heatwave on Phytoplankton Morpho-Functional Traits from Diverse Vulnerable Mediterranean ecosystems <u>M. Cherchi</u>*, B.M. Padedda, A. Di Cesare, P. Casiddu, L. Kamburska, A. Lugliè, B. Manca, R. Piscia, I. Rosati, R. Sabatino, J. Titocci, I. Vaccarelli, S. Pulina	SP4.1 Ecotoxicological Assessment of PVA on <i>Danio rerio</i> Embryos: a Comparative Study Between PVA Standard Powder and Commercial PVA-based Powder Dishwasher Pods <u>G. Caorsi</u>, C. Cremonesi, L. Nigro, M. Ortenzi, S. Gazzotti, S.G. Signorini, R. Sbarberi, S. Magni, C. Della Torre, A. Binelli SP4.2 Oxidative stress related effects in nestlings of the European starling (<i>Sturnus vulgaris</i>) grown close to perfluoropolymer plant <u>B. De Felice</u>, S. Mondellini, A. Palazzi, C. Mariani, M. Morganti, M. Rusconi, M.T. Palumbo, S. Polesello, S. Valsecchi, M. Parolini SP4.3 Trophic Magnification of Per- and Polyfluoroalkyl Substances in an AFFF-Contaminated Environment <u>F. Dondero</u>, D. Gualandris, M.	SP5.1 Environmental accounting of <i>Cystoseira sensu lato</i> macroalgal forests of the Cilento coast (Marine Protected Area of Santa Maria di Castellabate). <u>F. Cerciello</u>*, F. Rendina, A. Elefante, L. Donnarumma, A. Falace, E. Buonocore, P.P. Franzese, G.F. Russo SP5.2 An integrated framework for assessing the sustainability of management strategies for <i>Posidonia oceanica</i> banquettes along the Sicilian coastline <u>I. Dentamare</u>*, E.C. Sabatella, V. Lauria, M. Calabrò, U. Grande, E. Buonocore, G.F. Russo, P.P. Franzese SP5.3 Integrating Environmental Impact Assessment and Ecosystem Services Accounting <u>U. Grande</u>, C. Monteleone, B. Koushki, F. Rendina, P.P. Franzese, E. Buonocore

<u>SP1.4</u> The Fate of Biodegradable Plastics in Freshwater: Preliminary Insights from a Lake Maggiore incubation study <u>S. Galafassi</u>, C. Magnabosco, S. Musazzi, M. Oliviero, B. Luzi, R. Zullo <u>SP1.5</u> Relationship between Zooplankton Abundance and Oceanographic Conditions in the Waters Around Sardinia <u>A. Geraci*</u>, A. Remirens, Y. Guglielmo, A. Leone, F. Veneziano, S. Genovese, R. Ferreri, A. Granata <u>SP1.6</u> A dedicated web service for animal biomass estimation from length-weight relationships at the order level <u>L. Perrone</u>, M. La Marra, P. Taban, J. Titocci, A. Basset	<u>SP2.4</u> A biomarker-based field study assessing environmental pressure in honeybees across different land use types <u>B. Caldaroni</u>, S. Futia, M. Renzi, S. Anselmi, T. Bentivoglio, M. Pallottini, E. Goretti, T. Gardi, R. Gentile, P. Pastorino, A.C. Elia <u>SP2.5</u> Impact of fire on soil total N content and organic C stock in beech and pine forests of central Italy <u>R. D'Ascoli</u>, E. Grilli, M. Pirozzi, G. Pedana, S. Castaldi <u>SP2.6</u> Exploring decadal changes in macrobenthic assemblages of shallowest soft bottoms impacted by clam fishery in the northern Gargano (Southern Adriatic Sea) <u>F.P. De Luca</u>, D. Cascione, P. Ricci, G. Cipriano, A. Catacchio, F. Mastrototaro, R. Carlucci <u>SP2.7</u> Impact of Ocean Acidification on brown algae <i>Dictyota dichotoma</i>: limitation or Potential Benefit? <u>R. Donadio</u>, E. Vitale, L. Buono, P. Stipcich, E. Fabbriizzi, S. Frascchetti, C. Arena <u>SP2.8</u> Oxidative stress responses in	<u>SP3.4</u> The overlooked dimension: horizontal heterogeneity of water quality and GHG concentrations in diverse lake ecosystems <u>V. Nava</u>, S. Chandra, L. Loken, F. Dory, D. Brankovits, M. Rogora, A. Lami, L. Toniolo, V. Soler, B. Leoni <u>SP3.5</u> Effects of an experimental heatwave on a plankton community from a Mediterranean artificial lake <u>C. Pittalis*</u>, S. Pulina, A. Di Cesare, P. Casiddu, M. Cherchi, L. Kamburska, A. Lugliè, B. Manca, R. Piscia, I. Rosati, R. Sabatino, J. Titocci, I. Vaccarelli, B.M. Padedda <u>SP3.6</u> Resilience of intertidal habitats under multiple stressors: insights from a global meta-analysis <u>A. Provenziale*</u>, F.P. Mancuso, M. Bosch-Belmar, G. Sarà <u>SP3.7</u> Seasonal changes in sedimentary organic matter quantity, composition and degradation rates in the below-ground compartment of a seagrass meadow <u>A. Pusceddu</u>, C. Ennas, D. Murinu, D. Moccia, F. Blanco-	Kostakis, G. Gkostis, T.D. Gerokonstantis, D. Rotondo, C. Lorusso, A. Calisi, N. Thomaidis, G. Mancinelli <u>SP4.4</u> Assessment of the adverse effects induced by the exposure to environmentally-relevant concentrations of a conventional and three emerging PFAS to <i>Daphnia magna</i> <u>S. Mondellini*</u>, B. De Felice, M. Rusconi, M.T. Palumbo, S. Polesello, S. Valsecchi, M. Parolini <u>SP4.5</u> Bioaccumulation and oxidative stress biomarkers in <i>Procambarus clarkii</i> exposed to environmentally relevant concentrations of gadolinium <u>P. Pastorino</u>, A. Maganza, F. Provenza, C. Mossotto, S. Anselmi, A. Gabetti, G. Esposito, M. Renzi, C. Faggio, A.C. Elia, M. Prearo <u>SP4.6</u> Assessment of Extracellular Protein Functionality in the Earthworm <i>Eisenia fetida</i> Using an Integrated Hemolytic Assay for Ecotoxicological Monitoring <u>D. Rotondo</u>, D. Gualandris, C. Lorusso, A. Calisi, F. Dondero	<u>SP5.4</u> NUS Food Crops to support food production, local community economy and ecosystem services in Mediterranean Areas under Climatic Risk <u>C. Masini*</u>, S. Strumia, N. Mastrocicco, M. Palmieri, G. Battipaglia, V. Aschonitis, S. Castaldi <u>SP5.5</u> Is Aquaponics a sustainable food production system? <u>C. Monteleone</u>, U. Grande, E. Buonocore, P.P. Franzese <u>SP5.6</u> Loss of Natural Capital due to Fishing Impacts on Coralligenous Habitat in the Tremiti Islands Marine Protected Area <u>S. Silva</u>, U. Grande, F. Rendina, M. Guidato, M. Contegiacomo, E. Buonocore, P.P. Franzese
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	freshwater mussels: a window into spring watercourse health <u>A.C. Elia</u>, P. Pastorino, E. Scimmi, S. Futia, B. Caldaroni, E. Pizzul, M. Renzi, M. Prearo, G. Esposito, R. Gentile, M. Bertoli <u>SP2.9</u> Glitters: ecotoxicity of sparkling microplastics on aquatic invertebrates <u>S. Futia</u>, P. Pastorino, B. Caldaroni, A.J.M. Dörr, R. Gentile, M. Renzi, S. Anselmi, T. Bentivoglio, F. Bruschi, R. Selvaggi, D.M. Cappelletti, G. La Porta, M. Prearo, A.C. Elia <u>SP2.10</u> Diet composition of Salmonids from two Alpine Lakes: Preliminary Insights from Stomach Content Analysis <u>A. Gabetti</u>, M. Bertoli, A. Maganza, G. Esposito, C. Mossotto, M. Prearo, E. Pizzul, P. Pastorino <u>SP2.11</u> Plastic entrapment by riparian vegetation across ecological gradients in European rivers: first insights from the Biodiversa+ RIPARIANET Project <u>L. Gallitelli</u>[*], G. Pace, M.C. Bruno, J. Barquin, G. Cesarini, L. Concostrina Zubiri, M. Jonsson, S. Larsen, M. Laux, R. Schulz, M. Scalici	Murillo, L. Pedicini, I. Olivé, E. Dattolo, J. Pazzaglia, U. Cardini, F. Bulleri, G. Procaccini <u>SP3.8</u> Climate vulnerability assessment of coastal lagoons food provisioning ecosystem service <u>E. Serra</u>, A. Pusceddu, E.M.D. Porporato <u>SP3.9</u> Multidisciplinary approach to forecast carbon sink capacity by small freshwater ponds <u>S. Sporta Caputi</u>, R. Sanfilippo, G. Lauretti, G. Careddu, E. Calizza, M. Ventura, D. Giannini, D. Rossi, A. Basset, L. Rossi, M.L. Costantini <u>SP3.10</u> Denitrification and N₂O emissions in constructed wetland systems <u>F. Vincenzi</u>, G. Castaldelli, E. Soana <u>SP3.11</u> High-Frequency Growth and Carbon Monitoring in <i>Olea europaea</i> using IoT-Based TTCarbon Sensors <u>J. Yates</u>, M. Leoni, R. Valentini		
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	<u>SP2.12</u> Physiological and Growth Responses of <i>Helianthus annuus</i> to Heat and Water Stress: Can Nature-based Solutions Help? <u>S.E. Goldoni</u>, M. Dainese <u>SP2.13</u> An island under siege: origin, fate and impacts of non-indigenous aquatic fauna in coastal wetlands of a large Mediterranean island (Sardinia, Tyrrhenian Sea) <u>F. Palmas</u>, S. Cabiddu, P. Addis, R. Cannas, A. Cau, M.C. Follesa, V. Pasquini, A. Pusceddu <u>SP2.14</u> Coastal pollution in the northwestern Adriatic coasts: exploring the accumulation and impacts of beach litter <u>J.P. Passetti</u>, A. Penna, M.L. Carranza, M.C. De Francesco, M. Varricchione, S. Casabianca <u>SP2.15</u> Trawling disturbance in soft-sediment ecosystems: tracing carbon sequestration <u>F. Pellerito</u>, M.C. Mangano, M. Bosch-Belmar, G. Sarà <u>SP2.16</u> Airborne plastic invasion: what lichens tell us about our polluted skies <u>D. Taurozzi*</u>, L. Gallitelli, G.			
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	Cesarini, S. Romano, M. Orsini, M. Scalici SP2.17 Coppicing disturbance and belowground biodiversity: evidence of long-term microbial community stability V. Vitagliano*, E. Picariello, A. Esposito, F. De Nicola SP2.18 Harnessing Plant Growth-Promoting Bacteria as Nature-Based Solutions to mitigate anthropogenic disturbances and boost plant productivity in urban farming E. Vitale, C. Lorenz, C. Piraino, S. Castaldi, R. Isticato, C. Arena			
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***Candidata/o a premio Carlo Gaggi (migliore poster)**

SESSIONI POSTER (SP6-SP10)

Conservazione e gestione di specie e habitat minacciati (SP6) Chairs: D. Russo, G.F. Russo	Ecologia del suolo: dalla conoscenza alla gestione sostenibile (SP7) Chairs: F.A. Rutigliano, G. Maisto, R. D'Ascoli	Ruolo dell'Ecologia in conservazione, restauro e pianificazione (SP8) Chairs: S. Frascchetti, G. Sarà	Ecologia del Paesaggio ed analisi spaziale degli ecosistemi (SP9) Chairs: M.L. Carranza, E. Padoa-Schioppa, I. Petrosillo	Ecologia ed educazione alla sostenibilità (SP10) Chairs: G. Barbiero, S. Pinna
SP6.1 Multi-taxon assessment of animal diversity across a mosaic of natural and semi-natural habitats in the Regional Natural Reserve WWF Oasis "Lago di Serranella" F. Cerasoli, C. Mantoni, M. Iannella, M. Bonifacino, E.	SP7.1 Ecological Consequences of Introducing <i>Pseudomonas extremaustralis</i> (PGPR) into soil Bacterial Communities A. Caprio, G. Santini, I. Finore, A. Poli, L. Leone, M. Zizolfi, G. Maisto, L. Santorufo	SP8.1 Application of Ecosystem-Based Management System (EBMS) to coastal habitat protection and restoration E. Amore, E. Scagnoli, G. Ceccherelli, M. Marcelli, G. Fersini, V. Piermattei	SP9.1 Urban Green Infrastructures to support the quality of life and well-being of citizens: a participatory path based on Scientific Cafés S. Baldessari, A. Paletto, S. Baralla, D. Frasson, S. Marongiu, P. Miola, S. Puliga, D. Primucci,	SP10.1 Insects as alternative protein sources for feed and food: a sustainable response to the global food crisis. S. Moliterni, S. Dimatteo, R. Rebuzzi, S. Errico SP10.2

Santarelli, D. Serva, S. Cericola, A.R. Natale SP6.2 Assessment of fishing gear resistance to the invasive blue crab <i>Callinectes sapidus</i> in mesocosm S. Cheratzu, P. Addis, F. Palmas, V. Pasquini, A. Pusceddu, S. Cabiddu SP6.3 Analysis of the environmental and trophic niches of crab spiders (Araneae: Thomisidae) through Citizen Science A. Costanzo, D. Gil-Tapetado, C. Polidori, F. Ballarin, A. Ferrari, A. Gementi, L. Rapa, E. Crepet SP6.4 Conservation challenges posed by the invasive blue crab <i>Callinectes sapidus</i> in Sicilian coastal wetlands: insights from the Stagnone di Marsala lagoon and the Trapani and Paceco salt pans N. Marsiglia, A. Giacoletti, M. Russi, M. Bosch-Belmar, G. Sarà SP6.5 Long-term monitoring as a valuable ecological and management tool: insights from Long-Term Monitoring of the <i>Posidonia oceanica</i> meadow at Lacco Ameno (Ischia Island, Italy)	SP7.2 Ecotoxicological impact of Marine Biopolymers potentially used to improve the soil quality of degraded soils G. Maisto, L. Santorufo, M. Zizolfi, G. Santini, A. Siciliano, K. Power, R. Leandri, V. Zammuto, M. Morabito, C. Gugliandolo, E. Conti, D. Leone, R. Marzaoli, W. Ali, E. Coppola, F.A. Rutigliano SP7.3 Fire-induced changes in soil enzymatic activities in beech and pine forests: implications for microbial functionality and ecosystem resilience S. Papa, R. Grieco, A. Avena SP7.4 Linking agricultural practices to soil functioning: insights from physicochemical and biological indicators E. Picariello, M. Pellegrini, A. Sofo, M. Amato, L. Rosati, F. De Nicola, R. Adesso SP7.5 Hydrating capabilities of biopolymers from marine thermophilic bacilli and their potential to counteract soil dehydration V. Zammuto, A. Macrì, M.T. Caccamo, S. Magazù, F.A. Rutigliano, G. Maisto, C. Gugliandolo	SP8.2 Supporting animal-mediated services in disturbed small green areas of the city P. Biella, G. Brambilla, M. Labra SP8.3 Designing biocompatible 3D units for <i>Ericaria amentacea</i> habitat restoration: enhancing the ecological value of artificial coastal structures J. Cimini, M. Zanjani, L.M. Coronel, S.E. Cargill, M. Lush, G. Besio, L. Meroni, J. Khanuja, S. Rossi, M. Chiantore, A. Caggiano, V. Asnaghi SP8.4 "Protect the natural world": is it enough, or do we need to take more action? E.A. Fano, P. Forni, M. Gaglio, M.S. Giamberini, M. Leonardi, A.N. Muresan, G. Nobili, F. Vincenzi, A. Provenzale SP8.5 <i>Cymodocea nodosa</i> meadows as a summer refuge for <i>Gongolaria barbata</i> recruits in the Venice Lagoon C. Farisano, I. D'Aniello, M. Bertoni, A. Capasso, R., Rapuano, I. Moro, S. Frascchetti, M. Munari, D. De Battisti SP8.6 Tidysdm: a tool for increased flexibility and explicit	F.G. Simonelli, I. De Meo SP9.2 A Trait-Based Hierarchical Modelling Approach for Invasive Alien Plants M. Finizio, G. Brundu, M.L. Carranza, M. Di Febbraro, V. Lozano, M. Innangi SP9.3 FAIR PAs: a Framework for Assessing Invasive alien plant Risks in Italian Protected Areas V. Lozano, D.M. Albani, L. Bani, E. Barni, D. Bouvet, S. Caiello, M.L. Carranza, L. Celesti-Grapow, S. Citterio, M. Colleoni, A. Cogoni, F. Fasano, R. Gentili, M. Innangi, S. Martellos, F. Marzioletti, C. Montagnani, A. Moro, M. Mucciarelli, L.A. Santoianni, N. Sebesta, M.C. Siniscalco, A. Stanisci, G. Brundu SP9.4 From binoculars to bytes: innovating bird monitoring with IoT technology G. Luzi, M. Sterpi, L. Sterpi, S. Biancardi, M. Petrelli SP9.5 Following the Flow: Vegetation Patterns Along Moisture Gradients in Apennine Wet Meadows M. Pereyra Almena, M. Varricchione, A. Stanisci, F. Pontier, A. Lombardi, M.L.	The Ecocentric Perspective like triggers of prevention and well-being for healthcare workers: work in progress at the ASL Napoli 2 nord D. Nardiello, M.R. Basile, S. Pinna, M. Danon SP10.3 Site and stand features for nature-based health interventions: a systematic literature review A. Paletto, S. Baldessari SP10.4 Increasing connectivity between actors for a healthy and sustainable transition of the food system combining smart sales intermediaries with knowledge and communication/education activities M. Palmieri, E. Longobardi, S. Paolini, F. Seno, M. Martinelli, S. Castaldi
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<u>M. Nardiello</u>, M. Lorenti, A. Mirasole, A. Chiarore, V. Zupo, I. Olivè, G. Procaccini, J. Pazzaglia, E. Dattolo <u>SP6.6</u> Phenological and Structural Traits of <i>Posidonia oceanica</i> (L.) Delile as Indicators of Marine Protected Area Effectiveness <u>M.A. Nitopi</u>, L. Donnarumma, R. Calicchio, F. Rendina, F. Ferrigno, G.F. Russo <u>SP6.7</u> Testing an integrated protocol for the restocking of <i>Pinna nobilis</i> in the Northern Adriatic: from juvenile collection to reimplant in natural habitats <u>A. Sabino</u>, A. Bergamasco, F. Bernardi Aubry, M. Cosma, S. Donnici, I. Guarneri, T. Marčeta, G. Pessa, L. Tosi, M. Sigovini <u>SP6.8</u> Mixed methodologies for transdisciplinary applications: the case study of an urban mediterranean Marine Protected Area (Sicily, Italy) <u>M.G. Stoppani*</u>, G. Sarà, S. Malatesta, S. De Juan, M.C. Mangano		integration of time series in species distribution modelling <u>M. Leonardi</u>, M. Colucci, A.V. Pozzi, A. Manica <u>SP8.7</u> Experimental seagrass restoration using facilitative interactions and functional metrics <u>G. Lucido</u>, M.F. Tantillo, M. Bosch-Belmar, F.P. Mancuso, G. Sarà <u>SP8.8</u> Restoration of Mediterranean quarry soils with compost from marine organic waste: first insights from the PRIN 2022 PNRR EMBRACE project <u>M. Napoletano</u>, A. Bellino, F. De Nicola, E. Picariello, A. Langella, M. Mercurio, F. Izzo, M. De Sanctis, C. Di Iaconi, F. Trasacco, G. De Feo, C. Romano, S. Oppido, M. Moracci, V. Baldi, A.E. Detta, D. Baldantoni <u>SP8.9</u> Identification of artificial substrates for the recruitment and growth of <i>Lithophyllum stictiforme</i>: a technique for the future restoration of coralligenous habitats in the Mediterranean Sea <u>A. Puccini</u>, J. Cremades, V. García Redondo, V. Peña	Carranza <u>SP9.6</u> Identification of priority areas for reforestation using landscape ecology methods: a case study in Siracusa, Italy <u>M. Petrillo*</u>, E. Badalamenti, R. da Silveira Bueno, S. Antinoro, G. di Noto, D. Signa, T. La Mantia <u>SP9.7</u> Linking seabed roughness and benthic habitat structure and composition in the Lagoon of Venice <u>M. Sigovini</u>, H. Kassem, C.L. Amos, A. Sabino, G. Manfè, G. Lorenzetti, I. Guarneri, A. Bergamasco	
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		SP8.10 Coral restoration activity: insights from a pilot intervention on <i>Cladocora caespitosa</i> and <i>Eunicella cavolini</i> in the Tyrrhenian Sea <u>E. Scagnoli, E. Amore, V. Piermattei, G. Fersini, P. Stipcich, G. Ceccherelli, M. Marcelli</u>		
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***Candidata/o a premio Carlo Gaggi (migliore poster)**



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