

4th International Conference on Community Ecology

20-22 September 2023

National Institute of Oceanography and Applied Geophysics - OGS / Trieste, Italy

Program*

Wednesday / 20 September

Aula Magna Miramare

Room A Miramare

13:00-14:00	Registration	
14:00-14:30	Opening speech	
14:30-15:15	Plenary talk / Carlos Pérez Carmona (Estonia): Mapping and exploring trait spaces across the tree of life	
	Pattern of species richness and diversity in terrestrial and freshwater systems	From individuals to macroecology
15:15-15:30	Enrico Feoli (Italy): Matrices of co-occurrence and their role in the study of ecological communities: one example with red and white spruce forests of the Friulian Mountains.	Marie-Sophie Rohwäder (Germany): Foraging personalities modify effects of habitat fragmentation on biodiversity
15:30-15:45	Nicodemo Passalacqua (Italy): Surveying pasture communities in diachronic analyses by 3D Models	Eleonora Beccari (Estonia): Environment drives the position of mammalian species in the global spectrum of life histories
15:45-16:00		Elisa Marchetto (Italy): Portrayal of spatiotemporal bias and uncertainty in the sPlotOpen database
16:00-16:30	Coffee break	
	Pattern of species richness and diversity in terrestrial and freshwater systems	From individuals to macroecology
16:30-16:45	Valentina Olmo (Italy): Disentangling vegetation cover and structure influence on spectral diversity: insights from a study in North-Eastern Italian forests	Elisa Thouverai (Italy): Mapping diversity: how do environmental heterogeneity patterns change in space and time?
16:45-17:00	Mirjana Šipek (Slovenia): Alien and ancient forest indicator plant species in temperate lowland forests respond differently to fragmentation	Angelo Perilli (Italy): Ocean data analysis to unveil sea turtle behavioural traits
17:00-17:15	Duccio Rocchini (Italy): The ecological nitty gritty of the spectral species concept	
17:30-20:00	Welcome reception	

Thursday / 21 September

Aula Magna Miramare

Room A Miramare

Room B Miramare

8:30-9:15	Registration		
09:15-10:00	Plenary talk / Aditee Mitra (UK): Plankton community structure and functioning under climate change – the mixoplankton dimension		
10:00-10:10	Group photo		
10:10-10:30	Coffee break		
	Pattern of species richness and diversity in terrestrial and freshwater systems	Biodiversity and ecosystem functioning in marine systems	Conservation biology and remediation ecology
10:30-10:45	Alessandro Chiarucci (Italy): Biogeography and conservation meaning of plant species richness in small Mediterranean islands	Luca Polimene (Italy): A model-based, generalised eutrophication index for European Seas	Marco Bertoli (Italy): Ecological preferences of the south european nase lasca (Protochondrostoma genei, Bonaparte 1939) in the Chiarò di Cialla Creek (Northeast Italy): new insights and conservation perspectives
10:45-11:00	Damiano Baldan (Italy): Effects of longitudinal fragmentation on riverine beta diversity: a cross-catchment comparison	Ivano Vasotto (Italy): Comparing different estimation methods for phytoplankton traits: biomass, size, morphology, and their distribution	Ludovico Chieffallo (Italy): A novel approach for surveying flowers as a proxy for bee pollinators using drone images
11:00-11:15	Isabel Cantera (Italy): Succession in soil communities after glacier retreat: replacement versus taxa addition	Luis Amado Ayala Pérez (Mexico): Environmental behavior and fish abundance in some coastal systems of the southern Gulf of Mexico: Temporal integration analysis	Emanuele Fanfarillo (Italy): Effectiveness of different metrics of Floristic Quality Assessment: the simpler, the better?
11:15-11:30	Simone Giachello (Italy): Regional features shape the ecological succession of soil protist communities in glacier forelands around the world	Krzysztof Obolowski (Poland): Hydrological connectivity a one of key factors in ecological integrity	Maija Štokmane (Latvia): Spatial distribution modelling of insects and spiders within mire habitats in Latvia by using the remote sensing and machine learning techniques: a brand new approach
11:30-11:45	Agnese Marcelli (Italy): A design-based view of species richness estimation	Ilona Zloch (Poland): Biodiversity of marine endoliths	Emilia Pafumi (Italy): In&Out: comparing plant diversity of coastal dunes inside and outside the protected areas of Northern and Southern Tuscany
11:45-12:00	Francesco Petruzzellis (Italy): Coordination between water-related traits and the leaf economic spectrum		Mohcen Menaa (Algeria): Bird assemblage response to Atlas cedar afforestation of Mount M'Cid, Northeastern Algeria: a synecological approach for conservation management
12:00-12:15	Jakub Buda (Poland): Are the bacterial and eukaryotic assemblages related to environmental radioactivity on glacier surfaces?		Sonalí Chauhan (India): Ecological Restoration for Resilient Cities: Reimagining the Urban Nature in Delhi, India
12:30-14:00	Lunch		
14:00-14:45	Plenary talk / Catherine Longo (UK): From ocean to plate: community level climate change impacts on sustainable seafood		
	Pattern of species richness and diversity in terrestrial and freshwater systems	Pattern of species richness and diversity in marine systems	Ecosystem services
14:45-15:00	Francesco de Bello (Spain): Differences in trait-environment relationships: implications for Community Weighted Means (CWMs) tests	Eva Álvarez (Italy): A diversity-inspired version of the Biogeochemical Flux Model	Davide Agnetta (Italy): Bio-economic indicators evidence fishing effort reduction and climate change effects from a dynamic food web model in a central Mediterranean fishing area
15:00-15:15	Giacomo Pugliesi (Spain): IT-V net: the Italian Intraspecific Trait Variability network	Enrico Cecapoli (Italy): Assessing the contribution of three key habitats to the overall Mediterranean coastal fish diversity: the case study of Calabria	Heidi Simion (Italy): An ecosystem service-based approach to assess multifunctionality in the Alpine region
15:15-15:30	Pua Bar (Israel): Spatial heterogeneity effect on meta-community stability of annual plants from an Eastern-Mediterranean coastal dune ecosystem	Bernardo Patti (Italy): Biodiversity temporal patterns in the larval fish community of the Strait of Sicily (Central Mediterranean) and the role of local hydrodynamic processes	
15:30-15:45	Gwen Bury (USA): Patterns of forest associated freshwater fish, amphibians, reptiles, mussels, and crayfish at the scale of the conterminous United States.		
15:45-16:15	Coffee break		
16:15-17:15	Poster session* (Forefront of Aula Magna Miramare)		
17:15-18:00	Plenary talk / Gábor Lövei (Denmark / Hungary): In praise of the rare species		

Friday / 22 September

Aula Magna Miramare

Room A Miramare

Room B Miramare

08:30-09:15	Registration		
09:15-10:00	Plenary talk / Lynne Shannon (South Africa): From species to ecosystems: exploring community-based indicators as the missing link in marine assessments		
10:00-10:30	Coffee break		
	Ecological networks and food webs	Biodiversity and ecosystem functioning in terrestrial ecosystems	Effects of global changes
10:30-10:45	András Hidas (Hungary): Uncovering causality in ecological networks by interaction asymmetry	Michele Torresani (Italy): Exploring biodiversity patterns in forest ecosystems using LiDAR remote sensing data: unravelling the influence of forest height heterogeneity	Elena Gissi (Italy): Exploring potential climate refugia through scenario analysis of marine megafauna functional diversity in the Northeast Pacific Ocean
10:45-11:00	Daniele Bellardini (Italy): Plankton and fish community changes investigated by environmental DNA metabarcoding at spatio-temporal scales along the Campania coast (Italy)	Alessandro Bricca (Italy): Above- and belowground traits along a stress gradient: trade-off or not?	Francesco Boscutti (Italy): The shape of plant community to come: linking species functional response and climate-induced shifts in alpine tundra dwarf shrub community
11:00-11:15	Igor Celic (Italy): Ecosystem approaches to support quantitative assessment of fisheries undergoing certification processes	Roberto De Carolis (Italy): Lichen mycodiversity in Antarctica reveal the key role of thallus structure as suitable niche for diversity	Michele Di Musciano (Italy): Dynamics of mountain vegetation under global change: the microclimate role
11:15-11:30	Elisa Donati (Italy): Spatial multi-criteria analysis based on the results of a food web model: application to a marine Natura 2000 site	Hana Soualah Ailla (Algeria): Butterflies species abundance dynamics and Distribution of Souk Ahras Forest (North east of Algeria)	Diego Panzeri (Italy): Future distribution of demersal species in a warming Mediterranean sub-basin
11:30-11:45	Ferenc Jordán (Italy): Aggregating food webs: algorithms, functioning and expertise	Maurizio Zotti (Italy): Fairy ring fungi regulate species coexistence in grasslands	Giacomo Trotta (Italy): Soil salt, nitrogen and organic matter content drive early successional plant community composition in dune systems by curbing alien invasion and enhancing native plant diversity.
11:45-12:00	Guido Occhipinti (Italy): Stochastic noise effects over plankton communities	Eman ALHeresh (Palestine): Threat analysis for a network of sites in West Bank (Palestine): An expert-based evaluation supported by grey literature and local knowledge	Ralf Ohlemuller (New Zealand): Up or Around – contrasting effects of elevation and aspect on growing season phenology in alpine plant communities
12:00-12:15	Natalia Serpetti (Italy): PLASTIC-WEB: Tracing microplastics up the EU marine food webs	Rasheed Adeleke (South Africa): Interplay between bacterial community assembly and climate variables with respect to maize-soy bean rotational system	
12:15-12:30		Lucia Doni (Italy): The flora diversity under taxonomic, phylogenetic and functional trait aspects of sub- and alpine semi-natural grassland habitats	
12:30-14:00	Lunch		
14:00-14:45	Plenary talk / Thulani Makhalanyane (South Africa): Drivers of bacterial and viral communities in the Southern Ocean		
	Ecological networks and food webs	Biodiversity and ecosystem functioning in freshwater ecosystems	Effects of global changes
14:45-15:00	Beñat Iglesias (Spain): Influence of seasonal variability on the trophic structure of pelagic communities	Gor Gevorgyan (Armenia): Investigation of phytoplankton dynamics in mountain Lake Sevan, Armenia	Alessio Mortelliti (USA): A community of personalities: drivers of the diversity of personality traits in wild small mammal populations
15:00-15:15	Joana Brito (Portugal): A simulation-based approach to assess the stability of marine food-webs and inform Good Environmental Status	Katalin Patonai (Italy): What makes an invader successful? Niche differentiation of four invasive mysid species.	Grish Nair (South Africa): Increases in soil nutrients may significantly alter bacterial phyla and their extracellular enzymatic activities in Antarctic soils
15:15-15:30			Suzanne Horka (Germany): Taxonomical and functional changes in dry grassland vegetation after 30 years
15:30-15:45			Christian Damgaard (Denmark): Predictive statistical modelling of the effect of climate change on diathea
15:45-16:15	Coffee break		
16:15-16:30	Conclusive remarks, Awards		

*Poster session (21 September 2023 / 16:15-17:15, Forefront of Aula Magna Miramare)

	Biodiversity and ecosystem functioning	Effects of global changes
1. Francesco Dattilo (Italy): Functional diversity shapes plankton trophic webs in a changing sea		12. Melissa R. Gerwin (Australia): Exploring the abiotic context-dependency of plant-plant interactions using climate change experiments.
2. Simone Libralato (Italy): Ecosystem approach to spatial multispecies management of small scale fishery and the community effects on the Adriatic Sea resources		13. Thomas Mieczan (Poland): The effect of experimentally simulated climate warming on the microbiome of carnivorous plants – a microcosm experiment
3. Eugenia López-López (Mexico): Fish assemblage of a tropical coastal lagoon in the Gulf of Mexico facing anthropic and climatic stressors: Life history changes along last half century		Resilience, stability and health of ecological communities
4. Monika M. Szymańska - Walkiewicz (Poland): Effect of floodgate construction on phytoplankton structure in a coastal lake (short-term vs medium-term)		14. Gemma Chiaffarelli (Italy): Influences of Landscape Diversification on Vegetational Communities Quality: Multi-scale Analytical Insights on Highly Simplified Agricultural Landscapes
5. Natalia Mrozińska (Poland): Structure of the benthic fauna with special reference to the larvae of the Chironomidae in the coastal aquatic ecosystems of the southern Baltic Sea		Patterns of species richness and diversity
6. Martyna Bąkowska-Hopcia (Poland): The influence of hydrological connectivity of coastal lakes with the sea on the structure of the periphyton inhabiting the reed Phragmites australis (Cav.) Trin. ex Steud.		15. Flora Vajna (Hungary): Grassland restoration has contrasting effects on plants, spiders and pollinators
7. Ayansina Segun Ayangbenro (South Africa): Rhizosphere microbial community and functional diversities of two soybean genotypes		16. Andrea Čerevková (Slovakia): Soil nematode communities of Ponická Cave and its vulnerability to pollution
8. Mikolaj Matela (Poland): Changes in the structure of the macrobenthic community caused by long-term restoration of Lake Rudnickie Wielkie		17. Cristina Fiera (Romania): Response of soil biota to soil characteristics and management practices in forests and meadows of Romanian Carpathians
9. Paolo Lazzari (Italy): Novel biogeochemical model implementation to investigate plankton community ecology		Conservation biology
Ecological networks and food webs		18. Gabriella Süle (Hungary): The effect of rare mowing and flower sowing on pollinators and wildflowers in public spaces
10. Barbara Zorica (Croatia): Pelagic Food Web in the Middle Eastern Adriatic: Insights from Stable Isotope Analysis		19. Magdalena Pogorzelec (Poland): Critical periods for plants during the reintroduction process - a case study of the endangered species Salix lapponum L. in Eastern Poland
11. Karolina M. Czechowska (Poland): Modeling invasion of marine species in Mediterranean ecosystems: approaches for challenging the (poor) plasticity of functional type-based food web models		Statistical ecology
		20. Jacinto Elías Sedeño-Díaz (Mexico): Mapping and change analysis in vegetal cover of mangrove community by means of Landsat imagery in a Ramsar site in Atlantic Mexican Slope

*Please note that the organizers reserve the right to make changes in the programme