

4th International Conference on Community Ecology
20-22 September 2023
National Institute of Oceanography and Applied Geophysics - OGS / Trieste, Italy

Programme*

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 (Chair: G. Bacaro)		
	Pattern of species richness and diversity in terrestrial and freshwater systems (Chair: E. Feoli)	From individuals to macroecology (Chair: E. Tordoni)	Young Scientists Open Session (Chair: G. Puglielli)
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	Elisa Padulosi (University of Bologna)
15:30-15:45	Duccio Rocchini (Italy): The ecological nitty gritty of the spectral species concept	Eleonora Beccari (Estonia): Environment drives the position of mammalian species in the global spectrum of life histories	Federica Fonda (University of Trieste)
15:45-16:00	Yaşar Gültekin (Türkiye): Reconfiguring Mountainous Landscapes: Smart Countryside Practises in Bilecik Province	Elisa Marchetto (Italy): Portrayal of spatiotemporal bias and uncertainty in the sPlotOpen database	Davide Scridel (University of Trieste)
16:00-16:30	Coffee break (Forefront of Aula Magna Miramare)		
	Pattern of species richness and diversity in terrestrial and freshwater systems (Chair: E. Feoli)	From individuals to macroecology (Chair: E. Tordoni)	Young Scientists Open Session (Chair: G. Puglielli)
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?	Marco Vuerich (University of Udine)
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	Daniele Da Re (University of Trento)
17:00-17:15	Nicodemo Passalacqua (Italy): Surveying pasture communities in diachronic analyses by 3D Models		
17:30-20:00	Welcome reception with Jam session (ICTP terrace of the Leonardo Building)		

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 (Chair: F. Petruzzellis)		
10:00-10:10	Group photo		
10:10-10:30	Coffee break (Forefront of Aula Magna Miramare)		
	Pattern of species richness and diversity in terrestrial and freshwater systems (Chair: F. Petruzzellis)	Biodiversity and ecosystem functioning in marine systems (Chair: P. Lazzari)	Conservation biology and remediation ecology (Chair: G. Lövei)
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 Vascotto (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 Obolewski (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 Menaâ (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?		
12:30-14:00	Lunch (ICTP terrace of the Leonardo Building)		
14:00-14:45	Plenary talk / Catherine Longo (UK): From ocean to plate: community level climate change impacts on sustainable seafood (Chair: S. Libralato)		
	Pattern of species richness and diversity in terrestrial and freshwater systems (Chair: D. Rocchini)	Pattern of species richness and diversity in marine systems (Chair: P. Lazzari)	Ecosystem services (Chair: J. Grilli)
14:45-15:00	Giacomo Puglielli (Spain): IT-V net: the Italian Intraspecific Trait Variability network	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	Pua Bar (Israel): Spatial heterogeneity effect on meta-community stability of annual plants from an Eastern-Mediterranean coastal dune ecosystem	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		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	
15:45-16:15	Coffee break (Forefront of Aula Magna Miramare)		
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 (Chair: F. Jordán)		

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 (Chair: E. Gissi)		
10:00-10:30	Coffee break (Forefront of Aula Magna Miramare)		
	Ecological networks and food webs (Chair: F. Jordán)	Biodiversity and ecosystem functioning in terrestrial ecosystems (Chair: G. Bacaro)	Effects of global changes (Chair: E. Gissi)
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	Lucia Doni (Italy): The flora diversity under taxonomic, phylogenetic and functional trait aspects of sub- and alpine semi-natural grassland habitats	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	Maurizio Zotti (Italy): Fairy ring fungi regulate species coexistence in grasslands	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	Rasheed Adeleke (South Africa): Interplay between bacterial community assembly and climate variables with respect to maize-soy bean rotational system	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	Roberto De Carolis (Italy): Lichen mycodiversity in Antarctica reveal the key role of thallus structure as suitable niche for diversity	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		
12:30-14:00	Lunch (ICTP terrace of the Leonardo Building)		
14:00-14:45	Plenary talk / Thulani Makhalanyane (South Africa): Drivers of bacterial and viral communities in the Southern Ocean (Chair: J. Grilli)		
	Ecological networks and food webs (Chair: F. Jordán)	Biodiversity and ecosystem functioning in freshwater ecosystems (Chair: K. Patonai)	Effects of global changes (Chair: E. Gissi)
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			Christian Damgaard (Denmark): Predictive statistical modelling of the effect of climate change on diarrhea
15:45-16:15	Coffee break (Forefront of Aula Magna Miramare)		
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
2. Simone Libralato (Italy): Ecosystem approach to spatial multispecies management of small scale fishery and the community effects on the Adriatic Sea resources
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
4. Monika M. Szymańska - Walkiewicz (Poland): Effect of floodgate construction on phytoplankton structure in a coastal lake (short-term vs medium-term)
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
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
7. Ayansina Segun Ayangbenro (South Africa): Rhizosphere microbial community and functional diversities of two soybean genotypes
8. Mikołaj Matela (Poland): Changes in the structure of the macrobenthic community caused by long-term restoration of Lake Rudnickie Wielkie
9. Paolo Lazzari (Italy): Novel biogeochemical model implementation to investigate plankton community ecology

12. Melissa R. Gerwin (Australia): Exploring the abiotic context-dependency of plant-plant interactions using climate change experiments
13. Thomas Mieczan (Poland): The effect of experimentally simulated climate warming on the microbiome of carnivorous plants – a microcosm experiment

Resilience, stability and health of ecological communities

14. Gemma Chiuffarelli (Italy): Influences of Landscape Diversification on Vegetational Communities Quality: Multi-scale Analytical Insights on Highly Simplified Agricultural Landscapes

Patterns of species richness and diversity

15. Flóra Vajna (Hungary): Grassland restoration has contrasting effects on plants, spiders and pollinators
16. Andrea Čerevková (Slovakia): Soil nematode communities of Ponická Cave and its vulnerability to pollution
17. Cristina Fiera (Romania): Response of soil biota to soil characteristics and management practices in forests and meadows of Romanian Carpathians

Conservation biology

18. Gabriella Süle (Hungary): The effect of rare mowing and flower sowing on pollinators and wildflowers in public spaces
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

Statistical ecology

20. Jacinto Elias 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
Last updated: 16/09/2023