## 4th International Conference on Community Ecology

20-22 September 2023 National Institute of Oceanography and Applied Geophysics - OGS / Trieste, Italy

Programme\*

	Wednesday / 20 September		
3:00-14:00	Aula Magna Miramare  Registration	Room A Miramare	
4:00-14:30	Opening speech		
4:30-15:15	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)
5:15-15:30	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	Marie-Sophie Rohwäder (Germany): Foraging personalities modify effects of habitat fragmentation on biodiversity	Elisa Padulosi (University of Bologna)
5:30-15:45	Mountains.  Duccio Rocchini (Italy): The ecological nitty gritty of the spectral species concept	Eleonora Beccari (Estonia): Environment drives the position of mammalian species in	Federica Fonda (University of Trieste)
5:45-16:00	Yaşar Gültekin (Türkiye): Reconfiguring Mountainous Landscapes: Smart Countryside	the global spectrum of life histories  Elisa Marchetto (Italy): Portrayal of spatiotemporal bias and uncertainty in the	Davide Scridel (University of Trieste)
6:00-16:30	Practises in Bilecik Province  Coffee break (Forefront of Aula Magna Miramare)	sPlotOpen database	
	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)
6:30-16:45	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)
6:45-17:00	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)
7:00-17:15	Nicodemo Passalacqua (Italy): Surveying pasture communities in diachronic analyses by 3D Models		Mirela Uzelac Božac (Institute of Agriculture and Tourism, Croatia)
7:30-20:00	Welcome reception with Jam session (ICTP terrace of the Leonardo Building)		
	Thursday / 21 September		
30-9:15	Aula Magna Miramare  Registration	Room A Miramare	Room B Miramare
9:15-10:00	Plenary talk / Aditee Mitra (UK): Plankton community structure and functioning under climate change –		
0:00-10:10	the mixoplankton dimension (Chair: F. Petruzzellis)  Group photo		
0:10-10:30	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)
: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 (Nor Italy): new insights and conservation perspectives
):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 fo pollinators using drone images
: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?
:15-11:30	Simone Giachello (Italy): Regional features shape the ecological succession of soil protist communities in glacier forelands around the world	Krystian Obolewski (Poland): Hydrological connectivity a one of key factors in ecological integrity	Maija Štokmane (Latvia): Spatial distribution modelling of insects and spiders we mire habitats in Latvia by using the remote sensing and machine learning technology approach.
:30-11:45	Agnese Marcelli (Italy): A design-based view of species richness estimation	Ilona Złoch (Poland): Biodiversity of marine endoliths	a brand new approach  Emilia Pafumi (Italy): In&Out: comparing plant diversity of coastal dunes inside outside the protected areas of Northern and Southern Tuscany
1:45-12:00	Francesco Petruzzellis (Italy): Coordination between water-related traits and the leaf		outside the protected areas of Northern and Southern Tuscany  Mohcen Menaa (Algeria): Bird assemblage response to Atlas cedar afforestatic  Mount M'Cid, Northeastern Algeria: a synecological approach for conservation
2:00-12:15	economic spectrum  Jakub Buda (Poland): Are the bacterial and eukaryotic assemblages related to		Mount M'Cid, Northeastern Algeria: a synecological approach for conservation management
2:30-12:15	environmental radioactivity on glacier surfaces?  Lunch (ICTP terrace of the Leonardo Building)		
4:00-14:45	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	Pattern of species richness and diversity in marine systems	Ecosystem services
4:45-15:00	(Chair: D. Rocchini)  Giacomo Puglielli (Spain): IT-V net: the ITalian Intraspecific Trait Variability network	(Chair: P. Lazzari)  Eva Álvarez (Italy): A diversity-inspired version of the Biogeochemical Flux Model	(Chair: J. Grilli)  Davide Agnetta (Italy): Bio-economic indicators evidence fishing effort reduction
			climate change effects from a dynamic food web model in a central Mediterrand fishing area
5:00-15:15	Pua Bar (Israel): Spatial heterogeneity effect on meta-community stability of annual plants from an Eastern-Mediterranean coastal dune ecosystem	Enrico Cecapolli (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
5:15-15:30		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	
5:45-16:15 6:15-17:15	Coffee break (Forefront of Aula Magna Miramare)  Poster session* (Forefront of Aula Magna Miramare)		
	Plenary talk / Gábor Lövei (Denmark / Hungary):		
7:15-18:00	In praise of the rare species		
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Jordán)  András Hidas (Hungary): Uncovering causality in ecological networks by interaction asymmetry  Daniele Bellardini (Italy): Plankton and fish community changes investigated by environmental DNA metabarcoding at spatio-temporal scales along the Campania coast (Italy): Ecosystem approaches to support quantitative assessment of fisheries undergoing certification processes  Elias Donati (Italy): Spatial multi-criteria analysis based on the results of a food web model: application to a marine Natura 2000 site  Ferenc Jordán (Italy): Aggregating food webs: algorithms, functioning and expertise  Guido Occhipinti (Italy): PLASTIC-WEB: Tracing microplastics up the EU marine food webs  Astalia Serpetti (Italy): PLASTIC-WEB: Tracing microplastics up the EU marine food webs  Lunch (ICTP terrace of the Leonardo Building)  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)  Beñat Iglesias (Spain): Influence of seasonal variability on the trophic structure of pelegic communities  Joana Brito (Portugal): A simulation-based approach to assess the stability of marine food-webs and inform Good Environmental Status  Poster session (21 September 2023 / 16:15-17:15, Forefront of Aula Magna Miramare)  Conclusive remarks, Awards  Poster session (21 September 2023 / 16:15-17:15, Forefront of Aula Magna Miramare)  Conclusive remarks, Awards  Poster session (21 September 2023 / 16:16-17:15, Forefront of Aula Magna Miramare)  Conclusive remarks, Awards  Poster session (21 September 2023 / 16:16-17:15, Forefront of Aula Magna Miramare)  Conclusive remarks, Awards  Poster session	Biodiversity and ecosystem functioning in terrestrial ecosystems (Chair: G. Bacaro)  Michele Torresani (Italy): Exploring biodiversity patterns in forest ecosystems using LiDAR remote sensing data: unravelling the influence of forest height heterogeneity Alessandro Bricca (Italy): Above- and belowground traits along a stress gradient: trade-off or not?  Lucia Doni (Italy): The flora diversity under taxonomic, phylogenetic and functional trait aspects of sub- and alpine semi-natural grassland habitats  Maurizio Zotti (Italy): Fairy ring fungi regulate species coexistence in grasslands  Rasheed Adeleke (South Africa): Interplay between bacterial community assembly and climate variables with respect to maize-soy bean rotational system  Roberto De Carolis (Italy): Lichen mycodiversity in Antarctica reveal the key role of thallus structure as suitable niche for diversity  Biodiversity and ecosystem functioning in freshwater ecosystems (Chair: K. 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Jordan)  András Hidas (Hungary): Uncovering causality in ecological networks by interaction asymmetry  Daniele Bellardini (Italy): Plankton and fish community changes investigated by environmental DNA metabacroding at spatio-temporal scales along the Campania coast (Italy)  Igor Celic (Italy): Ecosystem approaches to support quantitative assessment of fisheries underging certification processes  Elias Donati (Italy): Spatial multi-criteria analysis based on the results of a food web model: application to a marine Natura 2000 site  Ferenc Jordán (Italy): Aggregating food webs: algorithms, functioning and expertise  Guido Occhipinti (Italy): Stochastic noise effects over plankton communities  Natalia Serpetti (Italy): PLASTIC-WEB: Tracing microplastics up the EU marine food webs  (Italy: Trulani Makhalanyane (South Africa):  Drivers of bacterial and viral communities in the Southern Ocean (Chair: J. Grilli)  Ecological networks and food webs  (Chair: F. Jordán)  Enalt glesias (Spani): Influence of seasonal variability on the trophic structure of pelagic communities  Joans Brito (Portuga): A simulation-based approach to assess the stability of marine food-webs and inform Good Environmental Status  *Poster session (21 September 2023 / 16:15-17:15, Forefront of Aula Magna Miramare Biodiversity and ecosystem functioning  1. Francesco Dattio (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 lalg	Biodiversity and ecosystem functioning in terrestrial ecosystems (Chair: 6. Bacaro)  Michele Torresani (Italy): Exploring biodiversity patterns in forest ecosystems using LDAR remote sensing data: unraveilling the influence of forest height heterogeneity Alessandro Bricca (Italy): Above- and belowground traits along a stress gradient: trade-off or not?  Lucia Doni (Italy): The flora diversity under taxonomic, phylogenetic and functional trait aspects of sub- and alpine semi-natural grassland habitats  Maurizio Zotti (Italy): Fairy ring fungi regulate species coexistence in grasslands  Rasheed Adeleke (South Africa): Interplay between bacterial community assembly and climate variables with respect to maize-soy bean rotational system  Roberto De Carolis (Italy): Lichen mycodiversity in Antarctica reveal the key role of thallus structure as suitable niche for diversity  Blodiversity and ecosystem functioning in freshwater ecosystems (Chair: K. 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Andrea Carevková (Slovakia): Soil nematode communities of Ponická Cave and its vulnerability to pollution  17. Cristina Fiera (Romania): Response of	Effects of global changes (Chair: E. Gissi)  Elena Gissi (Italy): Exploring potential climate refugia through scenario analysi marine megafauna functional diversity in the Northeast Pacific Ocean  Francesco Boscutti (Italy): The shape of plant community to come: linking spec functional response and climate-induced shifts in alpine tundra dwarf shrub community of the microclimate role  Diego Panzeri (Italy): Future distribution of demersal species in a warming Mediterranean sub-basin  Giacomo Trotta (Italy): Soil salt, nitrogen and organic matter content drive early successional plant community composition in dune systems by curbing alien in and enhancing native plant diversity.  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Jordan)  Behat Iglesias (Spain): Influence of seasonal variability on the trophic structure of pelegic communities  *Poster session (21 September 2023 / 16:15-17:15, Forefront of Aula Magna Miramare)  Conclusive remarks, Awards  *Poster session (21 September 2023 / 16:15-17:15, Forefront of Aula Magna Miramare)  Conclusive remarks, Awards  *Poster session (21 September 2023 / 16:16-17:15, Forefront of Aula Magna Miramare)  Conclusive remarks, Awards  *Poster session (21 September 2023 / 16:16-17:15, Forefront of Aula Magna Miramare)  Conclusive remarks, Awards  *Poster session (21 September 2023 / 16:16-17:16, Forefront of Aula Magna Miramare)  Conclusive remarks, Awards  *Poster session (21 September 202	Biodiversity and ecosystem functioning in terrestrial ecosystems (Chair: G. Bacaro)  Michele Torresani (Italy): Exploring biodiversity patterns in forest ecosystems using LiDAR remote sensing data: unraveilling the influence of forest height heterogeneity  Alessandro Bricca (Italy): Above- and belowground traits along a stress gradient: trade-off or not?  Lucia Doni (Italy): The flora diversity under taxonomic, phylogenetic and functional trait aspects of sub- and alpine semi-natural grassland habitats  Maurizio Zotti (Italy): Fairy ring fungi regulate species coexistence in grasslands  Rasheed Adeleke (South Africa): Interplay between bacterial community assembly and climate variables with respect to maize-soy bean rotational system  Roberto De Carolis (Italy): Lichen mycodiversity in Antarctica reveal the key role of thallus structure as suitable niche for diversity  Biodiversity and ecosystem functioning in freshwater ecosystems (Chair: K. 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