

4th International Conference on Community Ecology

20-22 September 2023

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

Programme*

Wednesday / 20 September

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

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
10:30-10:45	Sonali Chauhan (India): Ecological Restoration for Resilient Cities: Reimagining the Urban Nature in Delhi, India	Luca Polimene (Italy): A model-based, generalised eutrophication index for European Seas
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
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
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
11:30-11:45	Agnese Marcelli (Italy): A design-based view of species richness estimation	Ilona Zloch (Poland): Biodiversity of marine endoliths
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?	
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
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
15:00-15:15	Giacomo Pugliese (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
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	Owen 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*	
17:15-18:00	Plenary talk / Gábor Lóvei (Denmark, Hungary): In praise of the rare species	

Friday / 22 September

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
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
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?
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
11:15-11:30	Davide Cicala (Italy): Environmental DNA-based food webs architecture analysis as a tool for fishery impact assessment	Hana Soualah Allia (Algeria): Butterflies species abundance dynamics and Distribution of Souk Ahras Forest (North east of Algeria)
11:30-11:45	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
11:45-12:00	Ferenc Jordán (Italy): Aggregating food webs: algorithms, functioning and expertise	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
12:00-12:15	Guido Occhipinti (Italy): Stochastic noise effects over plankton communities	Rasheed Adeleke (South Africa): Interplay between bacterial community assembly and climate variables with respect to maize-soy bean rotational system
12:15-12:30	Natalia Serpenti (Italy): PLASTIC-WEB: Tracing microplastics up the EU marine food webs	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 Makhhalanyane (South Africa): Drivers of bacterial and viral communities in the Southern Ocean	
	Ecological networks and food webs	Biodiversity and ecosystem functioning in freshwater ecosystems
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
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 (Hungary): What makes an invader successful? Niche differentiation of four invasive mysid species.
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 diarrhea
15:45-16:15	Coffee break	
16:15-16:30	Conclusive remarks, Awards	
	*Poster session	
	Biodiversity and ecosystem functioning	Effects of global changes
	Francesco Dattilo (Italy): Functional diversity shapes plankton trophic webs in a changing sea	Melissa R. Gerwin (Australia): Exploring the abiotic context-dependency of plant-plant interactions using climate change experiments.
	Simone Libralato (Italy): Ecosystem approach to spatial multispecies management of small scale fishery and the community effects on the Adriatic Sea resources	Thomas Mieczan (Poland): The effect of experimentally simulated climate warming on the microbiome of carnivorous plants – a microcosm experiment
	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
	Monika M. Szymańska - Walkiewicz (Poland): Effect of floodgate construction on phytoplankton structure in a coastal lake (short-term vs medium-term)	Gemma Chiarelli (Italy): Influences of Landscape Diversification on Vegetational Communities Quality: Multi-scale Analytical Insights on Highly Simplified Agricultural Landscapes
	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
	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.	Flora Vajna (Hungary): Grassland restoration has contrasting effects on plants, spiders and pollinators
	Ayansina Segun Ayangbenro (South Africa): Rhizosphere microbial community and functional diversities of two soybean genotypes	Andrea Čerevková (Slovakia): Soil nematode communities of Ponická Cave and its vulnerability to pollution
	Mikołaj Matela (Poland): Changes in the structure of the macrobenthic community caused by long-term restoration of Lake Rudnickie Wielkie	Cristina Fiera (Romania): Response of soil biota to soil characteristics and management practices in forests and meadows of Romanian Carpathians
	Paolo Lazzari (Italy): Novel biogeochemical model implementation to investigate plankton community ecology	Conservation biology
	Ecological networks and food webs	Gabriella Süle (Hungary): The effect of rare mowing and flower sowing on pollinators and wildflowers in public spaces
	Barbara Zorica (Croatia): Pelagic Food Web in the Middle Eastern Adriatic: Insights from Stable Isotope Analysis	Magdalena Pogorzelec (Poland): Critical periods for plants during the reintroduction process - a case study of the endangered species Salix lapponum L. in Eastern Poland
	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
		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