



IX European Congress of Mammalogy (ECM9)

31 March - 04 April 2025, Patras, Greece

www.ecm9.com

BOOK OF ABSTRACTS

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PREFACE

Dear ECM9 Attendees,

It is our great pleasure to welcome you to the IX European Congress of Mammalogy (ECM9) in the beautiful and historic city of Patras, Greece. This event, taking place from March 31 to April 4, 2025, is organised by the Hellenic Zoological Society, the European Mammal Foundation, and Mammal Conservation Europe, under the auspices of the University of Patras. We are honored to host over 250 participants from more than 40 countries, all united by a shared passion for mammalian research and conservation.

ECM9 continues the tradition of the European Congress of Mammalogy, a conference series that began in Lisbon in 1991 and has since been held in Southampton, Jyväskylä, Brno, Siena, Paris, Stockholm, and Warsaw. Over the years, these congresses have provided invaluable opportunities for collaboration and exchange, fostering scientific advancements in mammalogy across Europe and beyond.

The congress program covers a wide range of topics, reflecting the diverse and evolving nature of mammalian science. With 16 thematic sessions, ECM9 will explore subjects, such as Genetics and Genomics, Conservation Biology, various aspects of Ecology, including Disease and Parasite Ecology, Population Dynamics, Climate Change, and Innovative Methodologies in Mammal Research and New Trends in Taxonomy, Threatened Mammals, Wildlife Management etc. Through oral and poster presentations, as well as plenary sessions led by distinguished researchers, we aim to facilitate meaningful discussions and inspire future research directions.

Beyond the scientific program, ECM9 provides a unique opportunity to connect with colleagues, exchange ideas, and build collaborations that will shape the future of mammalogy. We encourage you to take advantage of the vibrant academic and social atmosphere of this congress. Patras, with its rich cultural heritage and stunning coastal setting, offers an excellent backdrop for both professional and informal networking.

We extend our heartfelt thanks to the members of the Organising and Scientific Committees, as well as to the Plenary speakers, session chairs, and all presenters for their invaluable contributions. We are also deeply grateful to our supporting institutions and sponsors, whose efforts and generosity have made this event possible.

Finally, we thank you—our attendees—for your participation and enthusiasm. Your contributions and discussions will be at the heart of ECM9's success. We hope you enjoy a stimulating and rewarding congress and take home new insights, collaborations, and memories.

Welcome to ECM9 and enjoy your time in Patras!

George P. Mitsainas

On behalf of the ECM9 Organising Committee

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IX European Congress of Mammalogy (ECM9)



SUNDAY
30.03.2025

18:00 - 20:00 Registration

MONDAY
31.03.2025

08:00 - 09:00	Registration
09:00 - 09:30	Opening (Room I)
09:30 - 09:50	Heikki Henttonen & Boris Kryštufek: <i>Historical Overview</i>
09:50 - 10:10	Laurent Schley: <i>EMMA2: Updating the Atlas of European Mammals</i>
10:10 - 11:10	Plenary Talk – Fiona Mathews: <i>Taking the breaks off infrastructure developments: what does it mean for Europe's mammals? (Room I)</i>

11:10 - 12:00	Coffee Break		
	Room I	Room II	Room III
12:00 - 18:30	CONSERVATION BIOLOGY: Fiona Mathews	NEW TRENDS IN MAMMAL TAXONOMY: Boris Kryštufek	URBAN ECOLOGY: Lucas Wauters & Claudia Tranquillo
12:00 - 12:20	John Koprowski <i>How do we make a difference? Finding the purple bike</i>	Keynote: Frank E. Zachos <i>Mammals and the species problem – grey areas in taxonomy and why they are here to stay</i>	Emilie Hardouin <i>Urban mammal species, communities and our attitudes towards them</i>
12:20 - 12:40	Jhonnell Villegas <i>Human-wildlife interactions: Cultural sensitivities and perspectives influence the conservation of the Philippine brown deer (Rusa marianna Desmarest, 1822)</i>		Olivia Dondina <i>Spatial and habitat drivers of small-mammal diversity in urban green areas: Lessons for urban green planning</i>
12:40 - 13:00	Samantha Bremner-Harisson <i>From planning to impact: Using the Conservation Standards to achieve measurable and sustainable results for mammal conservation</i>	Boris Kryštufek <i>Mammalian species delimitation in historical perspective</i>	Maria Vittoria Mazzamuto <i>Urban disturbance at the wildland-ur- ban interface: Mammalian responses on Bogd Khan Mountain, Mongolia</i>
13:00 - 13:20	Rafal Kowalczyk <i>Refugees among mammals</i>	Georgy Shenbrot <i>Evolution of habitat niches in Palearctic Arvicolinae rodents</i>	Enrico Mirone <i>Exploring the urban large and medium-sized mammal assemblage in a small city of South-Central Italy. Implications for human-wildlife conflicts and coexistence</i>
13:20 - 13:40	Nika Knez <i>Influence of habitat use and diet quality on reproductive performance of European bison across Europe</i>	Mateusz Baca <i>The evolutionary history of the field vole species complex revealed by modern and ancient genomes</i>	Leonardo Ancillotto <i>Who stays and who is gone: trait-driv- en bat extinctions in Italian cities</i>
13:40 - 15:10	Lunch		



SCIENTIFIC PROGRAMME-MONDAY, MARCH 31, 2025

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15:10 – 15:30	Panagiotis Georgiakakis <i>Bat colonies in Mediterranean sea caves: research and conservation challenges</i>	Josef Bryja <i>DNA barcoding of African rodents: advantages and pitfalls in taxonomy</i>	Christian Voigt <i>How mobile generalist bats survive in a resource-depleted urban environment</i>
15:30 – 15:50	Silviu Petrovan <i>National-scale monitoring of some widespread mammal species in the UK using citizen science: status, challenges and opportunities</i>	Paolo Colangelo <i>Population genomics of <i>Talpa europaea</i> reveals distinct lineages and adaptive divergence in a widespread subterranean mammal</i>	Valeria Mazza <i>Small mammals along a gradient of human presence and disturbance: behavioural and cognitive perspectives from the wild</i>
15:50 – 16:10	Ferdia Marnell <i>The current conservation status of the otter (<i>Lutra lutra</i>) in Ireland</i>	Gerald Heckel <i>Taxonomic uncertainty in the vole world</i>	Lucas Wauters <i>Phenotypic variation of an arboreal mammal along a rural-urban gradient</i>
16:10 – 16:30	Marna Visagie <i>Assessing the population density and feeding ecology of Tswalu Kalahari Reserve's elusive carnivore species</i>	Alexey Yanchukov <i>Genome-wide phylogeny of subterranean blind mole rats Spalacinae (Gray 1821)</i>	Christel Rose Bachmann <i>Bat habitat use in urban environment based on citizen science data</i>
16:30 – 16:50	Elham Ebrahimi <i>Automating camera-trap data reporting for wildlife monitoring</i>	Adam Konecny <i>Phylogenomic relationships of Afrotropical crocidurine shrews: An overview of diversity and distribution</i>	Emiliano Mori <i>A new dawn for the Eurasian beaver in Italy? Ecological and social implications</i>
16:50 – 17:30	Coffee Break		
17:30 – 17:50	Rémi Bodinier <i>Towards a better understanding of area of greater conservation concerns for the critically endangered European Mink (<i>Mustela lutreola</i>) in France</i>	Miloš Macholán <i>Taxonomy and introgression: a case of <i>Mus</i></i>	Fran Tattersall Wildlife Acoustics (Workshop): <i>New Opportunities for Surveying Mammals with Bioacoustics – an Introduction</i>
17:50 – 18:10	Danilo Russo <i>The conservation potential and pitfalls of woodland islands for tree-dwelling bats in conventional farmland</i>	Nedko Nedyalkov <i>Penial morphology of moles (genus <i>Talpa</i>, Eulipotyphla) – a useful tool for species delimitation</i>	
18:10 – 18:30	Giorgia Castiello <i>Evaluating sustainable forest management practices for bat conservation</i>	Vida Jojić <i>Are five cryptic species of the lesser blind mole rat <i>Nannospalax leucodon</i> morphologically uniform or not?</i>	
20:00	WELCOME PARTY (ROYAL)		



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TUESDAY
01.04.2025

IX European Congress of Mammalogy (ECM9)

08:30 - 08:45	Opening (Room I)		
08:45 - 09:45	Plenary Talk – Nigel G. Yoccoz: <i>Seasonality and comparative analysis of small vs large mammal demography: revisiting Caughley and Krebs</i> (Room I)		
	Room I	Room II	Room III
09:55 – 13:15	CONSERVATION BIOLOGY: Fiona Mathews	INVASIVE AND ALIEN SPECIES: Sandro Bertolino	POPULATION DYNAMICS: Janne Sundell
09:55 – 10:15	Tea Hutten <i>Are rare species truly rare? Possible causes of data deficiency for several bat species in Croatia</i>	Jana A. Eccard <i>The timid invasion: Why are native wood mice in Ireland displaced by invasive but shy bank voles?</i>	Zbigniew Borowski <i>Water deficit inhibits induction of silicon-based anti-herbivory defence in wetland ecosystems</i>
10:15 – 10:35	Stefanos Kyriakidis <i>Comparative study of two brown bear (Ursus arctos) subpopulations in Pindos Mountain range with camera traps and bio-signs</i>	Stephanie Wray <i>Searching For Shrews: A citizen science approach to tracking the spread and impact of non-native small mammals</i>	Dominika Bujnakova <i>The legacy of wolf extirpation now engraved in the bones</i>
10:35 – 10:55	Steve Carter <i>50 years of evidence-based carnivore conservation actions by Vincent Wildlife Trust</i>	Claudia Tranquillo <i>Adaptations of an invasive alien species to urban areas: the grey squirrel in Italy</i>	Dime Melovski <i>A decade of monitoring the critically endangered Balkan Lynx in its core area: Insights from spatial capture recapture models</i>
10:55 – 11:15	Bledi Hoxha <i>Conservation and Recovery of the Balkan Lynx: Achievements, Challenges, and Future Prospects of the Balkan Lynx Recovery Programme (BLRP)</i>	Valentina La Morgia <i>Managing alien squirrels in Italy: an update on presence, impacts, and the European context</i>	Heikki Henttonen <i>Ecology of sympatric bank and red voles, Clethrionomys glareolus and C. rutilus, in northern Finland</i>
11:15 – 11:35	Maria Petridou <i>Wolf and free-ranging livestock interactions in Northwestern Greece</i>	Paola Correa <i>How can integrated efficient management of the European rabbit in Chile be approached?</i>	Elena Bykova <i>Mammals of the world's youngest desert "Aralkum"</i>
11:35 – 11:55	Julie Bommerlund <i>Movement patterns of wild and captive-bred Arctic foxes in Scandinavia</i>	Glenn Lelieveld <i>Accidental eradication of American mink: a gamechanger for European mink?</i>	
11:55 – 12:35	Coffee Break		
12:35 – 12:55		Anna Loy <i>The first Atlas of Mammals in Italy: an updated overview of native and introduced species</i>	
12:55 – 13:15		Jan Giordano <i>Alien mammals in Italy: pathways of entry and the EICAT assessment of impacts</i>	
13:30	MID-CONFERENCE EXCURSION		



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WEDNESDAY
02.04.2025

08:55 - 09:00 Opening (Room I)
09:00 - 10:00 Plenary Talk – Orly Razgour: *Using genomics to inform bat conservation under global change* (Room I)

	Room I	Room II	Room III
10:10 – 17:20	BEHAVIOURAL ECOLOGY: Zbigniew Borowski & Jana Eccard	GENETICS AND GENOMICS IN MAMMALOGY: Elena Bužan, Josef Bryja, Alain Frantz & Frank Zachos	MAMMAL CONSERVATION EUROPE: Fiona Mathews
10:10 – 10:30	Irene Belardi <i>Avoidance vs. attraction: long-term changes in spatiotemporal interac- tions and dietary relationships between recolonising wolves and red foxes</i>	Keynote 1: Gerald Heckel <i>Escaping doom for 10,000 generations of complete isolation</i>	MCE <i>Mapping the habitat requirements of woodland mammals. Where are the synergies and conflicts?</i>
10:30 – 10:50	Jennifer Hatlauf <i>The social structure of a golden jackal group during one reproductive season in Samos</i>		
10:50 – 11:10	Ilias Foskolos <i>Greater noctule bats embrace a low-risk, low-gain foraging strategy</i>	Barbora Pavlíčková <i>Unravelling the secrets of two gerbil genera: Distribution and genetic structure on the Sahara's edge amid climate shifts</i>	MCE <i>Forest management for fire- and disease-control. How can it be made more wildlife-friendly</i>
11:10 – 11:30	Artemis Papafoti <i>Diel activity patterns of forest dormouse (<i>Dryomys nitedula</i>) in northern Greece</i>	František Vejmelka <i>Overlooked diversity of the putatively monotypic smallest rodent genus from the largest tropical island</i>	
11:30 – 11:50	Tea Hutten <i>Activity of the endemic Martino's Dinaric Vole (<i>Dinaromys bogdanovi</i>) and Western Dinaric Vole (<i>Dinaromys longipedis</i>) in Croatia recorded on camera traps</i>	Jan Nahlovsky <i>Bottleneck and selection effects on MHC variability in relict and reintroduced Eurasian Beaver populations</i>	
11:50 – 12:30	Coffee Break		
12:30 – 12:50	Adam Wójcicki <i>The impact of forest roads and tourist trails on the use of space by wild ungulates</i>	Keynote 2: Laura Gramolini <i>Intraspecific epigenomics divergence in brown bears (<i>Ursus arctos</i>): insights from genome-wide DNA methylation patterns</i>	MCE <i>Forest management for fire- and disease-control. How can it be made more wildlife-friendly (cont.)</i>
12:50 – 13:10	Dido Sotiropoulou <i>Behavioural study in white-beaked dolphins, mother-offspring pairs, with the use of Unoccupied Aerial Vehicles in Skjálfandi Bay, Iceland</i>		MCE <i>Tree veteranisation and artificial den/nest/roost provision: do they really enhance conservation or are they a distraction?</i>

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13:10 – 13:30	Elise Say-Sallaz <i>Red deer and Bison fear the human "super predator" more than they fear wolves and lynx</i>	Jonas Lescroart <i>Conservation genomic status of Neotropical cats compared to felids globally</i>	MCE <i>Tree veteranisation and artificial den/nest/roost provision: do they really enhance conservation or are they a distraction? (cont.)</i>
13:30 – 13:50	Lukas Graf <i>Living under the scope – selection of human hunters for behavioral traits in a heavily harvested moose population</i>	Andrej Gonev <i>Quantifying the genetic load and recent inbreeding levels of the critically endangered Balkan lynx (Lynx lynx balcanicus)</i>	
13:50 – 15:20	Lunch		
	Room I	Room II	Room III
15:20 – 17:20	BEHAVIOURAL ECOLOGY: Zbigniew Borowski & Jana Eccard	GENETICS AND GENOMICS IN MAMMALOGY: Elena Bužan, Josef Bryja, Alain Frantz & Frank Zachos	SUBTERRANEAN MAMMALS IN A CHANGING WORLD: Radim Šumbera & Attila Németh
15:20 – 15:40	Fragkiskos Darmis <i>How behaviour influences individual life-history trajectories in a changing world</i>	Laurie Bedouet <i>Unveiling the genetics of the Eurasian Lynx (Lynx lynx): Insights for conservation of Jura and Alpine populations in France</i>	Ondřej Mikula <i>How fast do mammals speciate under the ground?</i>
15:40 – 16:00	Ester Rut Unnsteinsdóttir <i>Stability in fertility – special adaptations of the Icelandic Arctic fox (Vulpes lagopus)</i>	Christopher A. Cockerill <i>That's so last season: Unravelling the genomic cost of fur farming in Arctic Foxes (Vulpes lagopus)</i>	Patrick Arnold <i>Museomics reveal the relictualization of Afrotropical golden moles (Chrysochloridae, Kilimatalpa)</i>
16:00 – 16:20	Jan Adriaan Venter <i>Rather the enemy you know: Territorial behaviour of spotted hyaenas in fenced protected areas</i>	Karin Norén <i>Inbreeding depression in the Swedish arctic fox – the role of strongly deleterious mutations</i>	Radim Šumbera <i>Breeding males, but not females have a stronger bite: comparison of bite force in five social African mole-rat species from the genus Fukomys</i>
16:20 – 16:40	Valeria Mazza <i>The portrait of a bandit: individual differences in innovative problem-solving of non-native raccoons</i>	Rita G. Rocha <i>Evolutionary history of the red fox (Vulpes vulpes) in the Anatolian Peninsula</i>	Attila Németh <i>Evolution, Taxonomy and Conservation - Phylogenetic investigations of European blind mole rats of the genus Nannospalax</i>
16:40 – 17:00	Milena Zduniak <i>Linking personality, space use and ectoparasite loads: insights from experimental parasite removal</i>		Ferhat Matur <i>Taxonomic review of Western Anatolian mole rat cytotypes (Genus Nannospalax) with descriptions of new species</i>
17:00 – 17:20	Patrycja Popiel <i>Interactions between the northern white breasted hedgehog Erinaceus roumanicus and the west European hedgehog Erinaceus europaeus in the Polish sympatry zone</i>		Matěj Lövy <i>Ecophysiological and morphological insights into the Upper Galili Mountain blind mole rat (Nannospalax galili): thermal biology, bite force, and their role in ecological speciation</i>
17:20 – 18:00	Coffee Break		
18:00 – 20:00	POSTER SESSION		

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THURSDAY
03.04.2025

08:55 - 09:00

Opening (Room I)

09:00 - 10:00

Plenary Talk – John D.C. Linnell: *The recovery of large carnivores in Europe – what does it tell us about the future of coexistence with wildlife?* (Room I)

	Room I	Room II	Room III
10:10 – 11:30	BEHAVIOURAL ECOLOGY: Zbigniew Borowski & Jana Eccard	ECOLOGICAL MODELLING: Christos Astaras	DISEASES & PARASITES ECOLOGY: Heikki Henttonen & Frauke Ecke
10:10 – 10:30	Leszek Rychlik <i>Differences in prey preferences among four sympatric species of shrews (Sorex and Neomys) in cafeteria tests</i>	Beata Bramorska <i>Socio-economic variables improve accuracy and change spatial predictions in species distribution models</i>	Heikki Henttonen <i>Biome specific epidemiologies</i>
10:30 – 10:50	Wiebke Neumann <i>Navigate among different risks of mortality – the role of experiencing a calf loss in a long-lived ungulate</i>	Bronwen Hunter <i>Ecologically relevant predictions to improve species distribution models for European bat research</i>	Frauke Ecke <i>Mouse in the House – Citizen science data on indoor movement of a common rodent in rainy winters explain zoonotic risk</i>
10:50 – 11:10	Zbigniew Borowski <i>How does the risk of wolf predation affect deer foraging in forest ecosystems?</i>	Despina Migli <i>Spot the cat! Modelling and mapping the European wildcat occurrence in Northern Greece</i>	Alena Fornuskova <i>Lymphocytic choriomeningitis virus (LCMV) in Bulgaria: Spillover and Public Health Implications</i>
11:10 – 11:30	Jana A. Eccard <i>Animal behaviour has cascading effects on plant biodiversity</i>	Natalia Kalevra <i>Greening the land? Multi-scalar methods for designing green corridors in Greece</i>	Fred Touzalin <i>Modeling the Transmission Dynamics of EBLV-2: Insights from the First Serological Evidence in Myotis myotis bats</i>
11:30 – 12:10	Coffee Break		
	Room I	Room II	Room III
12:10 – 13:30	THREATENED MAMMALIAN SPECIES: George P. Mitsainas & Dionysios Youlatos	MAMMALS AND CLIMATE CHANGE: Maria da Luz Mathias & Anders Angerbjörn	DISEASES & PARASITES ECOLOGY: Heikki Henttonen & Frauke Ecke
12:10 – 12:30	Sandro Bertolino <i>Rapid range decline of the garden dormouse (Eliomys quercinus): A call for urgent conservation action in Europe</i>	Anders Angerbjörn <i>The arctic fox under pressure in Arctic areas due to both direct and indirect consequences of climate change</i>	Aleksandra Penezić <i>Toxoplasma gondii infection in the golden jackal (Canis aureus)</i>
12:30 – 12:50	Svetlana Miteva <i>Can we save Roach's mouse-tailed dormouse for the European fauna?</i>	Anna Wereszczuk <i>Body mass changes in mustelids in Europe and North America during the Anthropocene</i>	Ilija Pantelić <i>Movement ecology of golden jackals (Canis aureus) and its implications for endoparasite spread: a step selection analysis approach</i>
12:50 – 13:10	Dimitra-Lida Rammou <i>Conservation of the European Ground Squirrel in Greece: A management approach for an Endangered small mammal</i>	Magdalena Niedziałkowska <i>Changes in the range of the moose (Alces alces) and suitable areas for the species since the Late Pleistocene in Eurasia</i>	Elmo Miettinen <i>Wild boars at the northern edge: movement patterns and impacts</i>

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13:10 – 13:30	Viorel-Dumitru Gavril <i>Distribution of the Romanian Hamster (<i>Mesocricetus newtoni</i>) in the Natura 2000 Sites of Romania: Implications for conservation</i>	Melitjan Nezaj <i>Keeping track of Prespa's bats, Albania</i>	Johan Wallén <i>Consequences of repeated sarcoptic mange outbreaks in an endangered mammal population</i>
13:30 – 15:00	Lunch		
	Room I	Room II	Room III
15:00 – 16:40	THREATENED MAMMALIAN SPECIES: George P. Mitsainas & Dionysios Youlatos	PALEONTOLOGY George Iliopoulos	DISEASES & PARASITES ECOLOGY: Heikki Henttonen & Frauke Ecke
15:00 – 15:20	Orsolya Moldován <i>Conservation status of the blind mole rat species endemic to the Pannonian region (Rodentia: Spalacinae: Nannospalax)</i>	Mateusz Baca <i>Biogeographic history of the European small hamsters (subfamily Cricetinae) during the Late Pleistocene</i>	Mounir Abi-Said <i>Gastrointestinal parasites in rodents from Five Himas in Lebanon</i>
15:20 – 15:40	Eva K. Nóbrega <i>Macaronesian bats: a review of research effort and directions</i>	Maria Kolendrianou <i>Beyond systematics: how can the study of small mammals contribute to a better understanding of the Upper Pleistocene palaeocommunities of Greece</i>	Boris Krasnov <i>Identification of the missing links in ectoparasite-small mammal networks using the dark diversity concept</i>
15:40 – 16:00	Maria G. Granados <i>Unlocking Iberian lynx recovery: Enhancing habitat models with European rabbit availability for long-term successful lynx restoration</i>	George Iliopoulos <i>The Pleistocene fossiliferous mammal localities of Peloponnese, Greece, and their fauna</i>	
16:00 – 16:20	Jan Decher <i>Conservation of rare and threatened mammal species in Ghana, West Africa</i>		
16:20 – 16:40	Arshyaan Shahid <i>Understanding Human-Elephant conflict dynamics in a protected area of Eastern India: Implications for threatened species conservation</i>		
20:00	CONFERENCE DINNER		



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FRIDAY
04.04.2025

08:55 - 09:00	Opening (Room I)		
09:00 - 10:00	Plenary Talk – Joseph A. Cook: <i>NextGen Mammal Collections: Key infrastructure for a changing planet</i> (Room I)		
	Room I	Room II	Room III
10:10 – 15:40	LANDSCAPE AND SPATIAL ECOLOGY: Francesca Cagnacci	REINTRODUCTIONS AND WILDLIFE MANAGEMENT IN CHANGING ECOSYSTEMS: Laurent Schley & Alexandra Sallay	NEW METHODOLOGIES IN MAMMAL RESEARCH: Fabiola Iannarilli
10:10 – 10:30	Francesca Cagnacci <i>Mapping out a future for ungulate migrations</i>	Glenn Lelieveld <i>Wolves in the highly populated Netherlands – what could possibly go wrong?</i>	Vanja Bugarski-Stanojević <i>Species-specific soil eDNA survey of the lesser blind mole rat – a game changer for biodiversity monitoring of terrestrial mammals</i>
10:30 – 10:50	Steffen Mumme <i>Protection of threatened migrating ungulates – overlap between mapped ungulate migration corridors and protected areas</i>	Tomaž Skrbinšek <i>From a pilot study to essential conservation and management tool: genetic monitoring of brown bears in Slovenia after 20 years</i>	Angeliki Savvantoglou <i>Can flies help us map bears? Expanding the ecological application of iDNA for monitoring terrestrial mammals</i>
10:50 – 11:10	Melinda Boyers <i>Mapping the world's largest land migration: Antelope in South Sudan</i>	Rafal Kowalczyk <i>Using public-sourced photos to track changes in moose antlers size during a 20-year hunting ban</i>	Marjeta Konec <i>New red deer STR markers for population monitoring: application in the Romanian Carpathians using faecal pellets</i>
11:10 – 11:30	Wibke Peters <i>Crossing the line – partial migration in a transboundary red deer population</i>	Marta Kołodziej-Sobocińska <i>March or get infected: influence of winter ranging shaped by supplementary feeding on the spread of non-native nematode <i>Ashworthius sidemi</i> in European bison populations</i>	Andrea Bonacchi <i>Decoding rodent diets: multi-marker metabarcoding on three syntopic species in a Mediterranean oak forest</i>
11:30 – 11:50	Francesca Cagnacci <i>Moving in busy mountains: migration and spatial responses of large mammals in the Alps</i>	Samantha Ball <i>Hair-raising insights: Estimating badger densities in Ireland using Non-invasive genetic methods to Inform bTB management efforts</i>	Angelos Bintirinis <i>Ballad of the Shrews: Vocals of the Cretan endemic <i>Crocidura zimmermanni</i> and its partially sympatric congeneric <i>C. gueldenstaedtii</i></i>
11:50 – 12:10	Marco Salvatori <i>Species body mass and habitat modulate spatio-temporal responses of mammals to human outdoor activity</i>	Simone Giovacchini <i>After 50 years Eurasian otters are (slowly) returning to central and northern Italy</i>	Edward Hurme <i>Bats surf storm fronts during spring migration</i>
12:10 – 12:30	(12:10 – 12:20) Alejandro Valladares-Gómez <i>Small terrestrial mammal's diversity across the arid ecosystems of the Atacama Region, northern Chile</i>	Kristina Vogt <i>Possible inbreeding effects on survival and reproduction in two reintroduced Eurasian lynx populations in Switzerland</i>	Charlotte Vanderlocht <i>Multi-disciplinary approach to understanding emerging ecological interactions in an Alpine mammal community</i>
	(12:20 – 12:30) Myrto Smyriliou-Zerva <i>Occurrence and diet of the Eurasian Otter (<i>Lutra lutra</i>) in protected areas of NW-W Peloponnese, Greece</i>		



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12:30 – 12:50	Francesca Malcangi <i>Habitat complexity or prey abundance? Decoding the Eurasian Lynx's habitat selection in Finland</i>	Attila Németh <i>Translocation of subterranean blind mole rats as a conservation tool to save endangered species and recover dry grassland ecosystems</i>	Fabiola Iannarilli <i>Zooming on urban predators: Domestic cats and their interactions with mammal and bird communities in urban areas</i>
12:50 – 14:20	Lunch		
14:20 – 14:40	Tim R. Hofmeester <i>Eurasian lynx (<i>Lynx lynx</i>) site-use probability in winter is higher in the presence of reindeer despite potential risks</i>		Patrick Jansen <i>Uncovering temporal patterns of wildlife activity, habitat use and habitat preference from camera-trap data</i>
14:40 – 15:00	Nikolaos Kiamos <i>Shrewing around: Notes on sampling, distribution and ecology of the family Soricidae in Greece</i>		Yorgos A. Iliopoulos <i>Estimating densities of unmarked prey and predator species with camera traps and Random Encounter Models</i>
15:00 – 15:20	Pita Amick <i>Monotonic decline in bat diversity is ubiquitous along elevational gradients</i>		
15:20 – 15:40	Ricardo Rocha <i>Harvesting the power of remote-sensing technologies to investigate the spatiotemporal dynamics of insular vertebrates and their interspecific interactions</i>		
15:40 – 16:15	Coffee break		
16:15 – 16:30	ROOM I: CLOSING CEREMONY-ANNOUNCEMENT OF BEST POSTER AND BEST TALK PRIZES		
16:30	END OF CONFERENCE-START OF POST-CONGRESS EXCURSION		



Multi-disciplinary approach to understanding emerging ecological interactions in an Alpine mammal community

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Keywords: Multi-methodological, quasi-experimental, interspecific relationships, ungulates

Human-induced environmental changes are placing unprecedented pressures on ecosystems worldwide, driving biodiversity losses that threaten ecosystem functioning and resilience. Among the most critical yet understudied consequences of these losses is the disruption or rapid modification of ecological interactions between species. However, investigating such interactions requires disentangling multiple co-occurring and interrelated factors within complex pathways that can often not be addressed with single approaches. Here, we present a case study focusing on emerging ecological interactions within a large mammal community in the Alps, spurred by decades of anthropogenic influences, including increased human disturbance, climate and land-use changes, and the ongoing natural recolonisation by wolves. To address these complexities, we designed a comprehensive, systematic field study with a quasi-experimental approach, integrating diverse state-of-the-art methodologies along a temporal gradient since wolf recolonisation, including animal movement and space use (bio-logging), activity patterns (camera-trapping), diet composition (genetic metabarcoding), gut microbiota profiles (genomic metataxonomics), ecosystem element tracking (stable isotope analysis), and vegetational surveys (field sampling). Through this multi-disciplinary framework, we unravel complementary aspects of horizontal and vertical interactions between large mammals, at various scales: spatiotemporal activity overlaps, behavioural avoidance, antipredator responses, resource partitioning, differential nutrient pathways, digestive capacities, and even potential cascading effects on other trophic levels. This integrated approach offers valuable insights into the mechanisms driving ecological relationships between mammals and their responses to ongoing environmental change and anthropogenic disturbance, with implications for biodiversity conservation and ecosystem management.