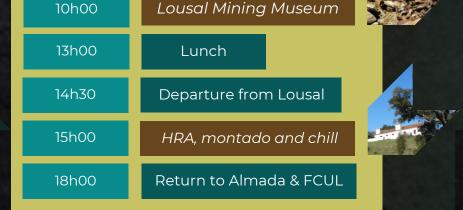


you can't really know where you're going until you know where you have been.









Fundação para a Ciência e a Tecnologia

## September **Back to the future:** 2023 bridging history into upcoming scenarios **National Museum** PROGRAMME of Natural History and Science, University of Lisbon All talks marked with a 🔫 are eligible for an award. Please vote during the last coffee-break on the 8th. Sep Check-in 9h00 **Opening session** 9h30 Marta Lourenço, Director of the National Museum of Natural History and Science, University of Lisbon Cristina Máguas, Coordinator of the Centre for Ecology, Evolution and Environmental Changes (cE3c) Luís Carriço / Margarida Santos-Reis, Dean / Subdirector of the Faculty of Sciences of the University of Lisbon Cecília Rodrigues, Vice-rector of the University of Lisbon 10h00 **Invited Keynote** Mutualism between Earth Observation products and long-term ecosystem monitoring and research Ricardo Diaz Delgado, Doñana Biological Station & LTER Spain Chair: Inês Rosário 10h30 **Flash Talks** Chair: Rui Rebelo

Frontiers in E3 9th cE3c Annual Meeting



Mapping an invasive species using UAV-acquired RGB data and machine learning

Inês Domingues, Ecology of Environmental Change





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- 9

FT3 FT4 FT5	Impact of environmental factors and management in the decline of holm-oak Montados Leonor Sucena Paiva, Environmental Stress & Functional Ecology Rapid Identification of Terfezia arenaria samples using an electronic nose Inês Ferreira Andrade, Plant-Soil Ecology Biodiversity of shallow subterranean habitats in Portugal Rita Pereira Eusébio, Tropical and Mediterranean Biodiversity
11h00	Coffee-break
11h30	Short Talks Chair: Alice Nunes
STI	Innovative reforestation - The R3forest project Florian Ulm, Environmental Stress & Functional Ecology
ST2	A genomic approach of the Cork Oak and Holm Oak in the West-Mediterranean: insight on the species capacity to respond to climate change
ST3	Mariana B. Viegas, Computational Biology and Population Genomics The positive effect of Nature-based Solutions for achieving the Sustainable Development Goals in Mediterranean agroecosystems: a meta-analysis
ST4	<ul> <li>Miguel Silva Rodrigues, Environmental Stress &amp; Functional Ecology</li> <li>Using wildflowers seed mixes to promote plant diversity in Mediterranean road verges</li> <li>Mariana Pucarinho Fernandes, Ecology of Environmental Change</li> <li>Validating the space-for-time approach using lichens as ecological indicators for climate change impacts</li> <li>Bernardo Reis Rocha, Ecology of Environmental Change</li> </ul>
12h30	Lunch
13h30	Poster session
14h30	Invited Keynote

Genomic insights into species extinction risk and recovery potential using museomics

Hernan Morales, Globe Institute, University of Copenhagen

Chair: Vitor Sousa





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15h15	Short Talks Chair: Helena Trindade
FT6	<i>Herbarium samples meet next generation resequencing</i> Bruno Nevado, Evolutionary Genetics
<b>ST6</b>	Connecting History and Prospects in the Macaronesia Region: the Poales Phylogenetic Structure Vanézia Rocha, Natural History and Systematics
<b>ST7</b>	Comparative proteomics and phosphoproteomics reveal different molecular mechanisms in fish under scenarios of climate change João Miguel Moreno, Evolutionary Genetics
ST8	Genomics of adaptation to cadmium in a spatially heterogeneous environment Marta Cardoso Ferreira, Evolutionary Ecology
ST9	Automating extinction risk assessments Pedro Cardoso, Tropical and Mediterranean Biodiversity
16h30	Thematic rountable at Variações Naturais exhibition hall
	Maintaining the past, shaping the future: the transformative role of Museum Collections in upcoming scenarios Moderated by Ana Daniela Spares (RTP and DN journalist)
	the transformative role of Museum Collections in upcoming scenarios Moderated by Ana Daniela Soares (RTP and DN journalist)
	the transformative role of Museum Collections in upcoming scenarios
	<ul> <li>the transformative role of Museum Collections in upcoming scenarios</li> <li>Moderated by Ana Daniela Soares (RTP and DN journalist)</li> <li>Hernan Morales, Globe Institute, University of Copenhagen</li> <li>João Paulo Constância, Director of Museu Carlos</li> </ul>
	<ul> <li>the transformative role of Museum Collections in upcoming scenarios</li> <li>Moderated by Ana Daniela Soares (RTP and DN journalist)</li> <li>Hernan Morales, Globe Institute, University of Copenhagen</li> <li>João Paulo Constância, Director of Museu Carlos Machado and Natural History Collection Manager</li> <li>Judite Alves, Deputy Director of the National Museum of Natural History and Science, University of Lisbon,</li> </ul>

## 20h00

## Meeting's dinner at Pateo 51

Scan the code to op<mark>en</mark> Pateo 51 location on google maps









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FT15

**FT16** 

Flávio Oliveira, Conservation in Socio-Ecological Systems

*Trait association networks of Azorean arthropods* Gábor Pozsgai, Island Biodiversity, Biogeography & Conservation

From research to business: sharing some deliveries of the ECO2-Tuta project

António Onofre Soares, Island Biodiversity, Biogeography & Conservation







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10h45	Coffee-break	
11h15	Short Talks	Chair: Gabriela Rodrigues
ST10	<b>Occurrence, diversity and antifungal</b> João Brandão, Centre for Environmen	
STI1	Lama2-deficiency impacts myoblast mouse model for LAMA2-congenital	
ST12	Vanessa Ribeiro, Development and E A systems biology overview of conge muscular dystrophy phenotypes	
	Antonio Cordero, Development and E	Evolutionary Morphogenesis
ST13	+Biodiversity@CIÊNCIAS: More than mobilizing CIÊNCIAS community for of the campus biodiversity and liveli	the improvement
	Sergio Chozas, Environmental Stress	& Functional Ecology
ST14	Regional temperature and soil fertil response of pollinators and floral res	
	Juan Pablo Cancela, Plant-Soil Ecolog	ЭХ
ST15	Altitude as environmental filtering in diversity and species richness of plan João Meira Neto, Environmental Stre	nts in tropical mountains
12h30	Lunch	
13h30	Poster session	
14h30	Short Talks	Chair: Ana Sofia Reboleira
ST16	Arthropods traits and their vulnerab invasiveness in Northern Macarones	sian: The MACRISK Project
ST17	Guilherme Oyarzabal, Island Biodivers Long-term monitoring of the Azorea The application of an Index of Biotic	an native forest arthropods:
	Paulo Borges, Island Biodiversity, Bio	
<b>ST18</b>	Exploring the future of Terceira's nat arthropod community composition v	

ST19

ebastien Enournead, island Bloanersity, Blogeography a conservation

The Red List of invertebrates of mainland Portugal: a key tool for biodiversity conservation Mário Boieiro, Island Biodiversity, Biogeography & Conservation

ST20

Conservation priorities in the endemic-rich islands of São Tomé and Príncipe Ricardo Faustino de Lima, Tropical and Mediterranean Biodiversity







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15h30	cE3c Participatory Budget 2022 Chair: Margarida Matos
PB1	CICAMOR: A checklist of the cicadas of the Moroccan Middle Atlas Gonçalo Costa, Computational Biology and Population Genomics
PB2	Mechanisms of coexistence between mesocarnivores in High Nature Value Farmlands: valuing their ecological role through community outreach Ana Luísa Barros, Conservation in Socio-Ecological Systems
PB3	<i>Using p53 deletion to revert LAMA2-congenital muscular dystrophy</i> Susana Martins, Development and Evolutionary Morphogenesis
	cE3c Participatory Budget 2023 Chair: Margarida Matos
PB4	Evolving & expressing: real-time transcriptome evolution during adaptation to global warming Marta Antunes, Evolutionary Ecology
PB5	Genomic signatures of selection in hybridising ants: how does temperature affect viability selection during early development? Beatriz Portinha, Evolutionary Genetics
PB6	The winner takes it all: when successful invasion is powered by symbiosis Joana Jesus, Environmental Stress & Functional Ecology
16h30	Coffee-break All presentations marked with a are eligible for an award. During this break, please vote on your favourite talk and poster.
17h00	Ana Neto and Meeting Awards Chair: Manuela Sim-Sim
17h30	Closing session
	Gabriela Rodrigues, on behalf of the organising committee Judite Alves, Deputy Director of the National Museum of Natural History and Science, University of Lisbon, and cE3c researcher Cristina Máguas, Coordinator of the Centre for Ecology, Evolution and Environmental Changes (cE3c)







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Frontiers in E3 9th cE3c Annual Meeting Back to the future: bridging history into upcoming scenarios

## POSTERS

**P9** 



National Museum of Natural History and Science, University of Lisbon

All posters marked with a 🚽 are eligible for an award. Please vote during the last coffee-break on the 8th.

P1	What doesn't kill you makes you stronger": Mus musculus domesticus resistance to anticoagulant rodenticides in island and mainland Ana Carromeu-Santos, Animal Biology Department, FCUL
P2	Impact of changes in ECM in melanoma Ana Sofia L. Lopes, Development and Evolutionary Morphogenesis
P3	LAMA2-CMD: establishment of a new gene therapy strategy using an in vitro model Diogo Rodrigues Fernandes, Development and Evolutionary Morphogenesis
Ρ4	Transdifferentiation of plasmatocytes to crystal cells in the lymph gland of Drosophila melanogaster Patrícia Rovisco e Silva Duarte, Instituto Gulbenkian de Ciência
P5	Adjustment of wild wood mice, Apodemus sylvaticus, to laboratory conditions Maílis da Silva Carrilho, Centre for Environmental and Marine Studies
P6	FSC forest certification effects on biodiversity: a global review and meta-analy Gonçalo Matias, Conservation in Socio-Ecological Systems
P7	Migration and population dynamics of Globicephala macrorhynchus between the Azores and the Lesser Antilles João B. V. Barreiros, Island Biodiversity, Biogeography & Conservation
Ρ8	Occurrence of the Cookie cutter shark, Isistius sp., in the Azores inferred by recent bite marks in cetaceans João B. V. Barreiros, Island Biodiversity, Biogeography & Conservation

The importance of vertical niche on island colonization and niche expansion – the case of Macaronesian spiders

Ricardo Costa, Island Biodiversity, Biogeography & Conservation

P10 Diversity of Insects in Complex Woodland Landscapes – the case study of Cesaredas Plateau

Tiago Carrapiço, Tropical and Mediterranean Biodiversity

P11 Does road proximity influence the structure and composition of ant communities? Tomás da Silva Pinto, Ecology of Environmental Change







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	P12	Hedychium gardnerianum and the chemical composition of polar extract
		Ana M. L. Seca, Island Biodiversity, Biogeography & Conservation
	P13	Different Ways to retain water: external and internal water content of 14 bryophyte species in Azorean native vegetation
		Rosalina Gabriel, Island Biodiversity, Biogeography & Conservation
	P14	Unveiling the potential of an invasive plant: the antioxidant and antidiabetic properties of Gunnera tinctoria (Molina) Mirbel
		Wilson Rodrigues Tavares, Island Environmental Risks & Society
	P15	The historical lichen collections of the Herbarium of the Porto University (PO): an unnoticed treasure
		Silvana Munzi, Plant-Soil Ecology
	P16	Foraging distribution of West African Crested Tern (Thalasseus albididorsalis) breeding in Guinea-Bissau
		Edna Correia, Centre for Environmental and Marine Studies
	P17	Can passive acoustic methods efficiently monitor bird communities during winter?
		Ana Isabel Leal, Tropical and Mediterranean Biodiversity
	P18	Patterns and predictors of bat activity around isolated trees in rice fields of Guinea-Bissau (West Africa)
		Gonçalo Afonso Fernandes, Tropical and Mediterranean Biodiversity
-	P19	Influence of insectivorous birds and bats on rice production in West Africa: insights from a field experiment in Guinea-Bissau
		Madalena Sottomayor, Tropical and Mediterranean Biodiversity
	P20	Ecology and conservation of subterranean biodiversity of the Estremenho Karst Massif (Portugal)
		Tomás Alves, Tropical and Mediterranean Biodiversity
	P21	How does water-table depth influence the physiological status of a tropical dune forest?
		Cristina Antunes, Environmental Stress & Functional Ecology
	P22	Native and invasive coexisting Fabaceae: is there a clear distinction in seed endophytes
		Joana Jesus, Environmental Stress & Functional Ecology
-	P23	Cistus Ladanifer as an indicator species to measure the success of natural regeneration and reforestation after wildfires
		Madeleine Tosioul Laurent, Environmental Stress & Functional Ecology
	P24	Diversity and functional roles of floral glands in Malpighiaceae: insights in Lophopterys floribunda W.R. Anderson & C. Davis

Renata Meira, Environmental Stress & Functional Ecology

P25 Monitoring, restoring and adapting Portuguese agroforestry systems to enhance resilience to climate change

Bruna Reis, Ecology of Environmental Change



P26 Genotyping by Sequencing brings new insights into the population structure and local adaptation of Holm Oak

Davide Galhofa, Computational Biology and Population Genomics







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P27	The interplay between different types of negative interactions may generate priority effects between spider mite species
	Miguel Cruz, Evolutionary Ecology
P28	A sex-specific trade-off between pesticide resistance and thermal tolerance in Tetranychus urticae
	Sofia G. Costa, Evolutionary Ecology
P29	Signatures of adaptation at the mitochondrial level in endemic freshwater fish species from contrasting environments
	Catarina Bernardo, Evolutionary Genetics
P30	Mechanisms of maintenance and evolution of blood cell proportions in Drosophila melanogaster
	Diogo Roque, Instituto Gulbenkian de Ciência
P31	Fight or Flight: How does the stability of predator-prey dynamics affect evolution?
	Jessica King, Evolutionary Ecology
P32	Constitution and enrichment of the phycological collection of the João de Carvalho e Vasconcellos Herbarium (LISI), Instituto Superior de Agronomia
	João Santos, Ecology of Environmental Change
P33	Bridging the gap: enhancing climate scenario communication and policy relevance for effective mitigation strategies
	Jiesper Tristan Pedersen, Environmental Stress & Functional Ecology
P34	Innovation ecosystems to smart farming uptake: some critical aspects
	Ana Ventura, Plant-Soil Ecology
P35	A review of climate change higher education programmes available in Europe
	Carolina Vieira, Ecology of Environmental Change
P36	Supporting adaptation decision-making under overshoot scenarios in the Lisbon Metropolitan Area
	Carolina Vieira, Ecology of Environmental Change
P37	Integrated Assessment Model to assess socioeconomic pathways in the transition to a climate-resilient society
	Tomás Calheiros e Menezes, Ecology of Environmental Change
P38	ECHO - Engaging Citizens in soil science: the road to Healthier Soils
	Silvana Munzi, Plant-Soil Ecology







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