

September, 30th

14h00 Opening session (Lisbon Time)

cE3c AROUND THE WORLD | CHAIR: GABRIELA RODRIGUES



14h30 Junior Keynote Speakers

Martina Panisi TMB Snails, forest and people: ecology and conservation of terrestrial molluscs in a tropical island.

Bernardo Rocha eChanges Lichens on the verge of the World: potential as ecological indicators in Antarctic ecosystems.

15h30 Oral Communications

★ **João Gameiro** TMB Interspecific food competition in a bird community established in an artificial nesting landscape?

★ **Patrícia Chaves** TMB Response of avian and mammal seed dispersal networks to human induced forest edges in a sub-humid tropical forest.

★ **Cristina Seijo** IERS Effects of multiple stressors on coastal ecosystems: how well do we know the limits?

★ **Duncan Crowley** CCIAM UrbanA Portugal asks “How might an urban Community of Practice help manifest the dream of a Sustainable and Just Lisbon?”

★ **Beatriz Portinha** EG Whole-genome analysis of multiple wood ant population pairs supports similar speciation histories, but different degrees of gene flow, across their European range.

Inês do Rosário CSES +Biodiversidade@CIÊNCIAS - one-year monitoring FCUL's biodiversity 


16h30 – 16h45 Coffee-break   


★ **Beatriz Afonso** CSES Patterns and Drivers of Rodent Abundance across a South African Multi-Use Landscape

★ **Melanie Köbel** eChanges Short-term effects of N and P fertilization in oak open woodlands.

Rui Perdigão CCIAM Information physics and quantum space technologies for natural hazard sensing, modelling and prediction.

★ **Maria Paiva** ESFE Holm oak wood pastures in SE Portugal: a spatial and temporal multiscale approach.

Luís Catarino ESFE Current and potential food uses of Fabaceae species in Guinea-Bissau. 

★ **Amidu Barai** ESFE Fighting cashew tree enemies in Guinea-Bissau: a collaborative project to support the control of diseases, pests and weeds. 

18h00 Project Winners | cE3c Participatory Budgeting

Raquel Mendes CSES Biodiverse schools: assess the connection of children to nature and promote local biodiversity.

Ana Júlia Pereira ESFE Effects of human management on the phylogenetic diversity of arable plant communities.

Paolo Carril PSE Unravelling the chemical crosstalk between wheat plants and seed-borne endophytes.

CE3C AROUND THE ISLANDS | CHAIR: PAULO BORGES



10h00 Keynote Speaker (Lisbon Time)

Brent Emerson IPNA-CSIC DNA-based approaches for landscape-scale understanding of arthropod communities

10h45 Oral Communications


Paulo Borges IBBC Biodiversity erosion in Azorean native forests - exotic species are leading the temporal community dynamics.

Marco Ferrante IBBC Flowering coriander (*Coriandrum sativum*) strips do not enhance ecosystem services in Azorean orchards.

★ **Luís Barcelos** IBBC Marine fish diversity in the Azores archipelago: Chondrichthyes and Actinopterygii.

★ **Filipa Soares** TMB Niche differences may reduce susceptibility to competition between native and non-native birds in oceanic islands.

★ **Rita Afonso** EG Population genomics and inbreeding inference of Bermuda petrel.

★ **João Barreiros** IBBC A healed propeller wound on a wild loggerhead turtle *Caretta caretta* (Linnaeus, 1758) occupied by a pelagic crab, *Planes minutus*, in the Azores islands, Portugal. 

★ **Luís Barcelos** IBBC Diversity of Marine turtles in the Azores archipelago. 

★ **Vanézia Rocha** eChanges Effects of climate variability and topography in shaping grass distributions patterns in Cabo Verde Islands. 

12h15 Coffee-break   

12h30 Ana Neto Award

12h45 Posters Parallel Session

14h00 Lunch    

Posters Parallel Session – Room 1

Chair: Carla Rego

cE3c around the world

- ★ **Rita Eusébio** TMB Spatial and seasonal dynamics of arthropods in the mesovoid shallow substratum in central Portugal.
- ★ **André Silva** EG Land-use change effects on biodiversity through mechanistic simulations: A case study with South-Asian mammals.
- Silvana Munzi** PSE FCUL lichen diversity: the contribution of the Italian Lichen Society to +Biodiversidade@Ciências.
- Andrea Sánchez** TMB Comparative sensitivity across phylogenetically closely related species of surface and groundwater-adapted crustaceans.
- ★ **Maria Medina** TMB A macroecological approach to the temperature variation in caves across biomes.
- Cecília Sérgio** NHS Reproductive phenology in the thalloid liverworts *Lunularia cruciata* (L.) Dumort. (Marchantiophyta) in mainland Portugal.

cE3c around the islands

- ★ **Anabela Martins** NHS Effects of elevation and disturbances on the diversities of bryophyte and macrolichen in Laurelforest of Madeira Island.
- Susana Fontinha** NHS Looking at the plants of the Biosphere Reserve of the Island of Porto Santo, Madeira (Portugal).
- Catarina Melo** IBBC Effects of climate change on the productivity and nutritive composition of pastures in the Terceira Island (preliminary results).
- ★ **Ricardo Coelho** eChanges Using Adaptation Policy Trajectories (ATPs) to manage climate risks and adaptation pathways in European Islands.

How the Pandemic forced me to be creative

- Lourdes Morillas** PSE Play and learn: A videogame to enhance the outreach of our research project.
- Pedro Simões** EE Geographical variation for heat tolerance in *Drosophila subobscura*.

Posters Parallel Session – Room 2

Chair: Ana Leal

cE3c in slippers

- João Nunes** CCIAM FRISCO: Managing fire-induced risks of water quality contamination.
- ★ **Ana Rodrigues** TMB Passive acoustic monitoring: the influence of habitat type for bird community's characterization.
- Inês Fragata** EE Priority effects enable coexistence through spatial segregation.
- Diogo Godinho** EE Within-host dynamics and timing of transmission underlie a non-genetic virulence-transmission trade-off.
- ★ **Joana Jesus** ESFE The other side of the coin: *Acacia longifolia* compost improves soil in post-fire conditions.
- ★ **Beatriz Ramos** CSES Understanding the source of antimicrobial resistant *Staphylococcus aureus* hosted by wild ungulates: antimicrobial susceptibility testing and molecular characterization.
- ★ **Catarina Melo** DEM Lama2-deficiency impacts on mechanisms involved in cell cycle regulation and survival.
- Leonor R Rodrigues** EE She loves me, she loves me not: the consequences of love searching in a world with multiple, but sometimes discordant, mating cues.
- ★ **Vanessa Ribeiro** DEM How Lama2 deficiency impacts on Nfix and Myogenin pathways.
- Ana Corrêa** PSE Combining hydroponics, plant growth promoting microorganisms and wastewater for crop production in urban settings.
- ★ **Mónica Condessa** ESFE Can seeds be a shelter for symbionts in *Acacia longifolia*?
- ★ **Leticia Duarte** CSES Modelling the transmission risk of *Mycobacterium avium* subsp. *paratuberculosis* across the mammal community of a Mediterranean agro-forestry farmstead.
- ★ **Inês Fonseca** DEM Differential expression of extracellular matrix components in cancer.

cE3C IN SLIPPERS | CHAIR: MARGARIDA MATOS






15h00 Keynote Speaker (Lisbon Time)

Robert Wilson MNCN-CSIC Detecting refugia from climate change based on colonization, local extinction and changes to community composition

15h45 Oral Communications in Parallel Session

Oral Communications Parallel Session – Room 1

- ★ **Miguel Cruz** EE The effect of population size and relative density of heterospecific mates on the cost of reproductive interference.
- ★ **Miguel Cunha** EE How does sympatric evolution shape reproductive isolation in spider mites?
- ★ **Jéssica Teodoro-Paulo** EG Genetic variation for defense suppression in inbred lines of *T. evansi* spider-mites.
- ★ **Sofia Costa** EE The impact of sub-lethal temperatures on spider mite reproduction.
- ★ **Ana Reis** CSES Comparative genomic analyses reveal unexpected diversity among globally distributed *Mycobacterium bovis*.
- ★ **André Pereira** CSES A new method for an old disease: Fluorescent-activated cell sorting to detect, identify and evaluate cell viability of environmental *Mycobacterium bovis*.
- ★ **Susana Martins** DEM LAMA2-CMD: disease mechanisms in skeletal muscle and heart.
Antonio Cordero DEM Modelling molecular responses to stress at the tissue microenvironment in a mouse model for muscular dystrophy.
- ★ **Pedro Santos** DEM Decellularized fetal muscle matrices as an *in vitro* tool to study myoblast cell dynamics in the context of muscular dystrophy. 
- ★ **Gonçalo Caneira** EG Dominance of deleterious mutations and migration: how these processes affect diploid and haplodiploid genomic backgrounds. 
- Esther Marín-González** CCIAM ENJOI: A novel EU project to foster good practices in science communication and journalism. 
- Ivo Chelo** EE *Caenorhabditis elegans* development rate, a key trait in the adaptation to environmental and life-history change.



Oral Communications Parallel Session – Room 2

Luís Dias CCIAM Portuguese Territorial Climate Change Adaptation for XXI Century (RNA2100): socioeconomic scenarios, water resources and agroforestry assessment.

Pedro Pinho eChanges Urban ecology research at cE3c: current work and future directions.

★ **Ana Ventura** PSE POLRURA.

★ **Ana Ventura** PSE JOBTOC.

★ **Sara Vicente** ESFE Highly diverse and highly successful: invasive Australian acacias have not experienced genetic bottlenecks globally.

Florian Ulm ESFE Using invasive species biomass for post-fire recovery: Reuse, Regenerate and Reforest – A first glimpse of the future.


★ **Gonçalo Matias** CSES Wildcat population density in NE Portugal: A regional stronghold for a nationally threatened felid.

★ **Patrícia Lopes** CSES Knowledge, attitudes, and practices of Municipal Veterinary Practitioners toward echinococcosis.

★ **Sara Dias** eChanges How does functional diversity of coastal dune shrub communities vary along a climatic gradient?

★ **Andreia Anjos** ESFE After out of season fires: do local factors affect *E. globulus* behaviour?

★ **Mariana Ramos** ESFE Pinewood nematode impact on *Pinus* species under drought conditions. 

Lourdes Morillas PSE *Cladonia rangiferina* responding to the synergistic effect of contrasting precipitation patterns and nitrogen addition. 

17h30 Coffee-break   

HOW THE PANDEMIC HAS FORCED ME TO BE CREATIVE | CHAIR: PATRÍCIA TIAGO




17h45 Oral Communications

Silvana Munzi PSE Wanted: virtual or live! How lichenological literacy overcame the pandemic.

★ **Carlota Sanches** EE Caravana AgroEcológica online.

Francisco Dionísio EE Are you sure you know why certain plasmids have the ability to transfer between bacteria?

★ **João Rebelo** EE Impact of COVID-19 measures on resistance genes diversity in the human microbiome and antibiotic administration. 

18h30 cE3c Slack Launch | Closing Session and Annual Meeting Awards