

cE3c Advanced Courses 2020/2021



Applied Methods in Community Ecology and Functional Ecology

Taught by: Paulo Borges & Noelline Tsafack | **June 14-18, 2021 @ FCUL**

Note: This course will be given remotely (online)

Objectives

This is a mostly practical course offering an overview on different community ecology and macroecological methods and software. These will include all steps of a research project, from the optimal sampling of communities to process inference from large-scale patterns of taxon, phylogenetic and functional diversity. Specific topics will be: (1) alpha, beta and gamma diversity; (2) estimating diversity from incomplete sampling; (3) partitioning taxonomic beta diversity; (4) community-assembly rules, (5) functional and phylogenetic diversity, (6) null models, (7) rarity and species abundance distribution. Finally, students will be asked to present own data and case studies.

Deadline for applications: April 23, 2021

free for 1st year PhD students in Doctoral programmes at FCUL (e.g. Biologia), Biodiversity, Genetics and Evolution (BIODIV UL; UP) and Biology and Ecology of Global Changes (BEAG UL, UA) when the course counts credits for their formation, in which case the delivery of a final report done after the course is mandatory; ; the course is also free for 1st year PhD students at University of Azores (Biology; Interdisciplinary Management of Landscape; Agrarian Sciences). For information of fees for other participants see the programme details.

See the PROGRAMME, how to apply and fees at:

<https://ce3c.ciencias.ulisboa.pt/training/ver.php?id=143>



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