

cE3c Advanced Courses 2021/2022



Applied Methods in Community Ecology and Functional Ecology

Taught by: Paulo Borges & François Rigal | June 20-24, 2022 @ FCUL

Note: This course is intended to be presential, but if needed (e.g. due to COVID-19 security measures by the time of the course) it may be adapted to be given remotely

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: May 6, 2022

free for 1st year PhD students in Doctoral programmes at FCUL (e.g. Biologia), Biodiversity, Genetics and Evolution (BIODIV UL; UP), Biology and Ecology of Global Changes (BEAG UL, UA) and Sustainability Science (UL), 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=165>



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