

## cE3c Advanced Courses 2020/2021



# Hands on Functional Diversity: from Ecological Indicators to Ecosystem Services

Taught by: Alice Nunes *et al.* | January 18-22, 2021 @ FCUL

**Note:** This course will be provided online.

### Objectives

Under the general framework of Global Change Ecology, the goal of this course is to provide the participants with the most recent and practical knowledge on the use of Functional Diversity. This includes the selection of functional traits and calculation of Functional Diversity Indexes. Examples of the application of this knowledge will be given regarding Ecological Indicators and Ecosystem Services. The specific objectives are:

- To give a general overview on global change drivers and point out the needs of current and future studies on Ecology
- To synthesize the most useful methods and tools for Ecosystem Services assessment, focusing on Ecological Indicators
- To allow the participants to apply the acquired knowledge on case study data (participants' data or data provided by the organizers), using R software. Examples of calculation with other software will also be provided (e.g. PC-ORD)

### Deadline for applications: December 11, 2020

The course is free for a maximum of 8 1st year PhD students in Doctoral programmes at FCUL (e.g. Biology), Biodiversity, Genetics and Evolution (BIODIV UL, UP) and Biology and Ecology of Global Changes (BEAG UL, UA). 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=145>



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