

## cE3c Advanced Courses 2024/2025



### Use of technology in field biology

Taught by: Maria Dias e Inês Rosário (cE3c/FCUL) et al. | **June 2<sup>nd</sup>-6<sup>th</sup> 2025 @ FCUL**

#### Objectives

Collecting data in the field is nowadays greatly facilitated by the advance of technology such as the development of devices that can automatically record and store environmental information, or miniaturized GPSs that can follow the movements of animals. In this course we will provide advanced hands-on training on some of the most used technological tools in field biology: movement tracking devices (e.g. GPS loggers, geolocators), environmental data loggers (e.g. to record temperature or water depth), acoustic devices (e.g. Audiomoths), camera traps, identification apps and drones. At the end of the course the participants will 1) understand the usefulness of each tool in the context of field biology; 2) know the basic principles of the use of these tools in fieldwork; 3) be able to download the data to a computer. Data analysis will not be addressed in this course, although a list of available software to deal with data handling and analysis for each tool will be provided.

#### Deadline for applications: May 2<sup>nd</sup> 2025

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), Biology and Ecology of Global Changes (BEAG UL, UA) and Sustainability Science (UL). 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=252>



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