

ADVANCED COURSES 2023 – 2024

cE3c's Advanced Courses are an excellent opportunity for professional enrichment, focusing on various scientific domains through approaches that cross theory and practice.

Apply until May 3, 2023

May 27 – 31, 2024 | FCUL & Stable Isotopes and Instrumental Analysis Facility

Stable isotopes in ecology and environment: a tool to integrate scales and complexity

Cristina Máguas & Cristina Antunes, *et al.*

cE3c – Centre for Ecology, Evolution and Environmental Changes, Faculty of Sciences of the University of Lisbon (FCUL)



WHAT YOU WILL LEARN

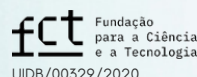
Climate change is known to be reflected on the stable isotope ratios of Hydrogen, Nitrogen, Carbon, Oxygen and Sulphur present in atmospheric gas forms, fresh or ocean water, as well as in plants and animals and organic matter in the soil. Samples from those matrices can provide a record for such changes across a given length of time and/or space. In this course we'll give an introduction to stable isotopes ratios as tools to understand global, ecosystem and community level bio/geo cycles; focus on light isotopes; look at geocycles and ecological significance; and explore sampling and analytical methodologies in stable isotope analysis.

FEE

1st year PhDs at FCUL	Free
BIODIV PhD students	Free
1st year PhDs BEAG & SC	Free
Other PhDs at cE3c	50,00€
PhDs at CFE	80,00€
MSc & ≥ 2nd year PhDs at FCUL	125,00€
Unemployed	125,00€
BI / External PhD students	180,00€
Professionals / Postdocs	250,00€

BIODIV – Biodiversity, Genetics and Evolution (ULisboa & UPorto)
BEAG – Biology and Ecology of Global Changes (ULisboa & UAveiro)
SC – Sustainability Sciences (ULisboa)
CFE – Centre for Functional Ecology

Scan the code to find more information and how to apply to this Advanced Course:



We are committed to a sustainable future.

Discover cE3c at ce3c.ciencias.ulisboa.pt and look for @ce3cresearch on

