

# ADVANCED COURSES

## 2016 / 2017

**R without fear: an R course  
in evolutionary ecology**

Jordi Moya-Laraño

**Island Biogeography**

Ana Margarida Santos et al

**Soil ecology and ecosystem services**

Teresa Dias & Cristina Cruz

**Biodiversity and Plant Evolution**

Helena Cotrim & Manuela Sim-Sim

**Practical Course on Phylogenetics**

Octávio Paulo

**Bioinformatics Analysis  
of Biological Sequences**

Teresa Nogueira & Rita Ponce

**Applied Methods in Community Ecology  
and Functional Diversity**

Paulo Borges & François Rigal

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

Laura Concostrina-Zubiri, Paula Matos,  
Alice Nunes et al.

These courses are of high interest for students enrolling in the first year of the Doctoral Programmes in Biology (ULisboa), Biodiversity, Genetics and Evolution (ULisboa/UPorto) and Biology and Ecology of Global Changes (ULisboa/UAveiro), for whom they are free. The courses can also be attended by other post-graduate students.

Details of each course, including calendar, programme, inscription procedures and fees are found in

<http://ce3c.ciencias.ulisboa.pt>

**Participatory Holistic Methodologies  
towards a Sustainable Transition**

Inês Campos, Julia Bentz & Kiat Ng

**Nature-Based Design Frameworks**

Gil Penha-Lopes & Hugo Oliveira

**Natural History Collections and Biodiversity**

Maria Judite Alves et al

**Measuring Biodiversity**

Joaquín Hortal

**Practical Course on Phylogeography**

Octávio Paulo

**Climate Change: Scenarios, Impacts  
and Responses**

Maria João Cruz & Elizabeth Robert

**Big Data - Knowledge Extraction  
from Biological Databases**

Teresa Nogueira

**Lichens as a Tool for the Interpretation  
of Environmental Changes**

Pedro Pinho, Paula Matos, Silvana Munzi et al

**EvoS-2**

Filipa Vala