

ALICE

An integrative landscape management approach incorporating socioeconomic and climate change scenarios is critical to properly manage environmental risk and to secure biodiversity conservation worldwide.



Improving the management
of ATLANTIC LANDSCAPES:
accounting for biodiversity
and ecosystem services

ALICE

TRAINING ITINERARY

The purpose of this course is to provide key information and integrative methodologies that assist the decision-making process for sustainable management across coastal, freshwater and terrestrial ecosystems. It will be of great interest for those students, professionals, practitioners, academics and technicians who want to be at the forefront of mainstreaming methodological approaches for biodiversity conservation and ecosystem services provisioning in a context of global change.

Additionally, it emphasizes the crucial role of Nature-based Solutions and their integration into broader planning frameworks to conform large networks of solutions addressing global change impacts, also known as blue-green infrastructure networks (BGINs).

The course covers many relevant conceptual and practical aspects, including multidisciplinary foundations and providing tools, techniques and methodologies, for the successful design and implementation of BGINs across different socio-ecosystems.

SCIENTIFIC EXCELLENCE

The contents of the course derive from recent advances achieved throughout the **ALICE project** (2017-2023) aimed to analyse the effects of climate and land cover and use changes on ecosystem services provisioning and biodiversity conservation in European Atlantic landscapes in order to implement BGINs that help minimising global change effects.

The teaching staff includes researchers with wide experience from many disciplines ranging from biology, hydrology, sociology, ecological informatics and economy.

The integration of this expertise and skills ensures a high-level academic product, providing a multidisciplinary approach of great value for the current societal challenges.



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MOOC: 'TOWARDS INTEGRATED LANDSCAPE MANAGEMENT: DEVELOPING TOOLS FOR ADAPTING TO CHANGE'

WHAT WILL YOU LEARN?

THE COURSE WILL COVER THE FOLLOWING TOPICS:

- **MODULE 1.** PARTICIPATORY LANDSCAPE MANAGEMENT AND BGINs
- **MODULE 2.** WHAT ARE THE MAIN DRIVERS OF CHANGE?
- **MODULE 3.** DATABASES AND MODELLING
- **MODULE 4.** BIODIVERSITY PATTERNS AND FACTORS
- **MODULE 5.** EMERGENCY PARADIGM FOR ENVIROMENTAL MANAGEMENT: ECOSYSTEM FUNCTIONS AND SERVICES
- **MODULE 6.** MULTIOBJECTIVE PERSPECTIVE FOR BGIN DESIGN AND IMPLEMENTATION

ENROLMENT HERE

<https://alice.ihcantabria.com/enrolment/>

MORE INFORMATION



AT A GLANCE

- MODALITY: Online course (MOOC)
- DURATION: About 20/30 hours
- DATE: February 5 - March 15, 2024
- FEE: Free course and certificate
- LANGUAGES: English
- PREREQUISITES: None
- TECHNICAL REQUERIMENTS: Computer with internet connectivity

ENVIRONMENTAL HYDRAULICS INSTITUTE OF CANTABRIA

Freshwater Ecosystems Group

C/ Isabel Torres nº 15. Parque Científico y Tecnológico de Cantabria. 39011 Santander, Cantabria. España.
T. +34 942 20 16 16 · Fax. +34 942 26 63 61 · docenciaihcantabria@unican.es · www.ihcantabria.com