

Job opportunities / grants

→ **PhD position in metacommunity and evolutionary drivers of resilience**
School of Biological Sciences University of Canterbury, New Zealand



The aim of the PhD position is to address the link between ecological and evolutionary processes at local and regional scales, using a model community of host insects and their parasitoids. There will be some flexibility for the candidate to develop the specific research project, but it will likely involve the use of laboratory mesocosms to manipulate dispersal, species diversity, environmental (nutrient and climate) heterogeneity and stochasticity to deconstruct how local species richness and spatial variability in community composition stabilise regional biodiversity through ecological insurance effects and spatial evolutionary dynamics.

Apply by **21/08/2021**

For further information visit [here](#)

→ **Postdoc position in metacommunity and evolutionary drivers of resilience**
School of Biological Sciences University of Canterbury, New Zealand



The aim of the Postdoc is to conduct theoretical work that addresses the link between ecological and (co-)evolutionary processes at local and regional scales. There will be some flexibility for the candidate to develop the specific research project, but it will likely involve the use of spatial evolving metacommunity models to understand evolutionary and ecological trade-offs between responses to the abiotic environment and interactions with enemies and resource species.

Apply by **21/08/2021**

For further information visit [here](#)

→ **Group Leader Position in Adaptation to Environmental Change in Freshwater Ecosystems (tenure track)**

Eawag, Swiss Federal Institute of Aquatic Science and Technology, Switzerland



Environmental change is occurring at rates and along dimensions that are unprecedented in human history. The multifarious aspects of environmental change can act interactively, and should be studied together. We are looking for someone who will study the ecological and evolutionary effects of these drivers on freshwater ecosystems at multiple levels of biological organization. These may include populations, species interactions, communities and/or food web structures, and/or biodiversity and ecosystem-level functions. The successful candidate will establish an innovative, independent research program to advance the fundamental understanding of adaptation to environmental change in freshwater ecosystems, as well as its relevance for society and implementation in practice.

More information about the position [here](#).



→ Postdoc position on Data Scientist Biodiversity Monitoring

Institute for Biodiversity and Ecosystem Dynamics, University of Amsterdam, Netherlands

The position is focused on the integration of species information from multiple sensors, including cameras, sound devices and radar, and environmental information (e.g. from weather stations, phenocams, soil sensors, surface water sensors or remote sensing).

Apply by **08/08/2021**

For further information visit [here](#)



→ Postdoc position on Co-design European Biodiversity Monitoring

Institute for Biodiversity and Ecosystem Dynamics, University of Amsterdam, Netherlands

The position is focused on developing designs for a robust sampling of Essential Biodiversity Variables across Europe, producing a synthesis report with suggestions for improving existing (and suggesting new) data flows in the context of reporting to the European biodiversity policies, participating in international EuropaBON stakeholder workshops and in regular EuropaBON meetings and networking events, and producing high quality scientific outputs in the form of journal publications and contribute to relevant high-level policy and practice reports, among others.

Apply by **01/09/2021**

For further information visit [here](#)

→ Postdoctoral Junior Leader Fellowships 2022

"La Caixa" Foundation



"la Caixa"

JuniorLeader

Postdoctoral Fellowships Programme

The Postdoctoral Junior Leader fellowships programme is aimed at hiring excellent researchers, of any nationality, who wish to continue their research career in Spain or Portugal. The objectives of this programme are to foster high-quality, innovative research in Spain and Portugal and to support the best scientific talent by providing them with an attractive, competitive environment in which to conduct excellent research.

INCOMING SUBPROGRAMME

25 postdoctoral grants for researchers of all nationalities who have resided in Spain or Portugal for less than 12 months in the last three years, to carry out a research project in centers certified with the distinctions Severo Ochoa or María de Maeztu, *Instituto de investigación sanitaria Carlos III* or units qualified as "Excellent" by the *Fundação para a Ciência e a Tecnologia*. Further information [here](#)

RETAINING SUBPROGRAMME

15 postdoctoral fellowships for researchers of all nationalities who have resided in Spain or Portugal for less than 12 months in the last three years, to carry out research at any university or research centre in Spain and Portugal. Further information [here](#)

7/10/2021 → Deadline for applications

For further information, visit [here](#) or send an e-mail to becas@fundacionlacaixa.org



→ **Postdoc position on Modelling biodiversity status and trends: Antarctica in a global context**
LaTrobe University (Melbourne campus), Australia

Apply for an opportunity to work with an international, interdisciplinary, Australia-based research program to produce transformative insights about the structure, function, drivers and future of Antarctic and sub-Antarctic terrestrial and aquatic biodiversity. Outcomes will inform spatiotemporal planning for conservation and will provide a scientific basis for leading environmental stewardship. The successful candidate will have an excellent publication record, significant biodiversity modelling skills, knowledge of and experience with biodiversity informatics and big data handling, evidence of successful, self-led collaboration, and have an interest in the Antarctic.

For further information, visit [here](#) or contact Prof. Melodie McGeoch: m.mcgeoch@latrobe.edu.au



UPPSALA
UNIVERSITET

→ **Assistant Professor in Data-driven Evolution and Biodiversity**
Uppsala University, Sweden

The subject area concerns research that takes advantage of the massive data streams offered by techniques such as high-throughput sequencing of genomes and biomes, continuous recording of video and audio in the wild, high-throughput imaging of biological specimens, and large-scale remote monitoring of organisms or habitats. Research in this subject area should aim to lead the development or application of novel methods relying on machine learning, artificial intelligence, or other computational techniques to analyze data and take advantage of such methods in addressing major scientific questions in evolution and biodiversity.

Apply by **31/08/2021**

For further information visit [here](#)



→ **PhD position in dissolved organic matter and nutrient cycling in streams**
Institute of Soil Science and Site Ecology, Technische Universität Dresden, Germany

The overall objective of the requested project is to shed light upon the complex interactions at the interface of terrestrial and aquatic ecosystems controlling amount, composition and functionality of DOM. Our overarching hypothesis is that the composition of DOM determines its contribution to nutrient cycling in forested streams, i.e. serving as a C, N or P source for microorganisms. Differences in DOM composition will be used to determine the most important DOM sources in the catchment depending on the flow conditions. These studies on DOM composition will be linked to nutrient pulse addition experiments in the streams determining whether DOM serves mainly as a C, N or P source for microorganisms. This strong focus on field observations and experiments will be accompanied by incubation experiments in the laboratory to further elucidate the linkages between the composition of soil organic matter and DOM and the consequences for nutrient cycling along the terrestrial aquatic continuum.

For further information, contact Prof. Dr. Karsten Kalbitz (Karsten.kalbitz@tu-dresden.de)

→ Course: *Técnicas de Machine Learning basadas en árboles para Investigación Científica con R*
18th - 29th October 2021, face-to-face and online

Organised by the *Museo Nacional de Ciencias Naturales (CSIC)*



The objective of the course is to learn to apply in scientific research the main techniques of machine learning based on trees, understanding how they work. The course has a strong practical component (≈ 80%), with more than 40 practical exercises, coming from real investigations (in Natural Sciences), which will be seen simultaneously with the theory.

More information and inscription [here](#)

→ Ramon Margalef Colloquia 7th edition: “A cross-system view of the biological carbon cycle in the anthropocene”
5th - 8th October 2021, online

The 2021 Colloquia aims at promoting creative thinking by bringing together ecological knowledge from experts on terrestrial, limnetic and marine systems. Through cross-system discussions between students and the invited experts, the analogies and disparities concerning the ecology and biogeochemical functioning of aquatic and terrestrial ecosystems will be highlighted.

Topic 1. Organic matter production. Nutrients and light should meet.

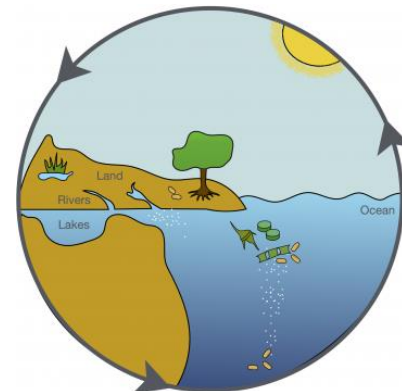
Drivers of production and diversity in terrestrial and aquatic ecosystems.

Environmental constraints and biological adaptations to optimize the use of resources.

Topic 2. Organic matter (OM) decomposition. Environmental constraints to total decomposition (oxygen, temperature, nutrients, OM chemical composition) and biological players.

Topic 3. Carbon sequestration efficiency in land and aquatic ecosystems.

Carbon budgets in different aquatic and terrestrial systems: production versus respiration and sequestration. Possible geo-engineering solutions to increase C sequestration.



Please note that sibecol members will benefit from 30% of discount.

For further information visit: <http://www.acoio.org/margalef-summer-colloquia/>

Should you have any question, do not hesitate to contact us at ramonmargalefcolloquia@sibecol.org

→ Course: *Gestión y visualización de datos con R. Convirtiendo datos en historias*
20th - 24th September 2021, online

Organised by the Asociación Española de Ecología Terrestre (AEET)

The objective of this course is to provide tools for data management and visualization that allow the desired message to be transmitted effectively. This happens by teaching an intuitive, orderly and reproducible work method.

The participants in the course will finish it familiar with the techniques of data acquisition, manipulation, management and visualization. As well as with a clear idea of how to structure and present the main statistical analyzes used in biology to communicate scientific results in an elegant and effective way.

More information and inscription [here](#)

→ Course: *Escritura de artículos científicos*
25th - 29th October 2021, online

Organised by the Asociación Española de Ecología Terrestre (AEET)

The main objective of the course is to develop all the technical and conceptual elements for the preparation of scientific articles for publication in international journals in the fields of ecology, genetics and evolution.

More information and inscription [here](#)

→ Course: *Presentaciones eficaces y oratoria para científicos*
29th September - 1st October 2021, online

Organised by the Asociación Española de Ecología Terrestre (AEET)

The objectives we propose in this course are:

- Communicate research results clearly and concisely, awakening interest and promoting understanding and memory in the audience.
- Strengthen confidence and presence in the public speaking situation. Learn body and para-verbal communication strategies.
- Design more efficient PowerPoint slides that reinforce the speech and help convey the message effectively.

More information and inscription [here](#)

→ Course: *Comunicación científica y medioambiental*
4th November - 2nd December, online

Organised by the Asociación Española de Ecología Terrestre (AEET)

The objectives we propose in this course are:

- Learn to communicate your work in an attractive and understandable way.
- Know how experts in scientific and environmental communication work.
- Put into practice communication strategies and tools that help you position your work in public channels and networks.

More information and inscription [here](#)

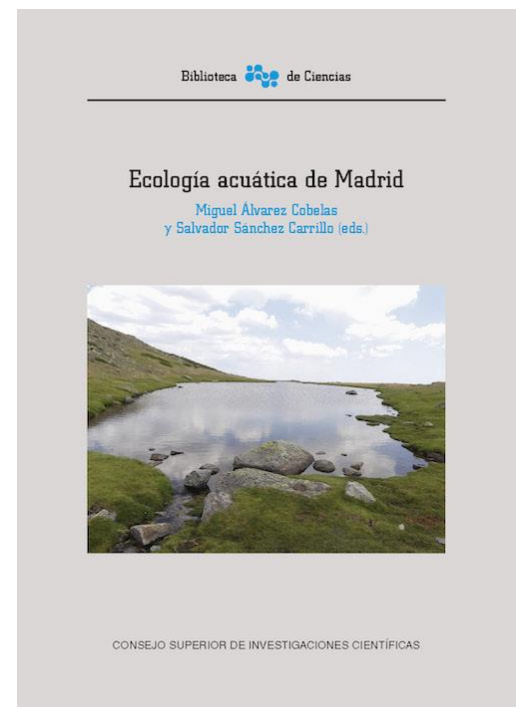
→ Aquaculture of Spain: Sustainability Report

A document made by *Acuicultura de España*, including the commitment to transparency and improvement of Aquaculture in Spain, was presented last month. In the [following link](#) the first edition of the report can be downloaded, as it is available to anyone who is interested in knowing it.



→ Book: “Ecología acuática de Madrid” (M. Alvarez Cobelas & S. Sánchez Carrillo, eds.)

Summary. Despite its small size, Madrid county depicts interesting environmental features, such as an altitudinal gradient, complex lithology, interesting natural environments albeit hardly known, many man-made aquatic ecosystems, strong anthropic impacts, all of which makes it a small and rich limnological territory. This book, written in Spanish with large summaries in English, describes what we know and what we do not know on Madrid aquatic ecology. The abiotic environment, the organisms and the ecological processes are all taken into account, as well as applied topics. Regarding organisms, attention to species richness is paid to compile what is known and suggest we must address. The accelerated changes that molecular techniques are promoting on taxonomy will make taxa and their nomenclature change in a very short time, which will result in many novel knowledge in the decades to come. It is obvious that the newly-born ecological techniques (remote sensing, IA and the like) and novel concepts and theories will expand in our ecological knowledge in the near future.



This book is the outcome of efforts by a researchers' generation, many of which started their limnological studies in the '80. Some of them are now retired and many more are about to do it. Therefore, the book offers a generational view which arises from a specific and disappearing way of tackling limnological research.

“Ecología acuática de Madrid”, (M. Alvarez Cobelas & S. Sánchez Carrillo, eds.)

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