JOB OFFER

2 years postdoc at Doñana Biological Station on Forecasting biodiversity under global change and prioritising management action

Background

The future effectiveness of protected areas and conservation efforts is uncertain under the impacts of global change. Multiple interacting threats, such as changes in land use, invasive species and climate, are behind the decline of biodiversity and ecosystem services.

The EU and its Member States have implemented substantial conservation efforts over the last decades, including the establishment of the world´s largest network of protected areas, the Natura 2000. However, these efforts have proven insufficient for halting biodiversity loss at a continental scale. The EU Biodiversity Strategy for 2030 aims at addressing some of the issues commonly blamed to the insufficient advance towards halting biodiversity loss, such as the lack of planning at adequate scales when designing the network of protected areas or the poor integration of conservation across diverse sectoral policies.

The candidate will join two projects focused on assessing the vulnerability of the Natura 2000 network to the impacts of global change, and the prioritisation of management to reduce those vulnerabilities. One of these projects is the Biodiversa funded INSPIRE, focused on integrated spatial planning for biodiversity conservation and other human uses in a context of global change; the second project focuses on assessing the strength of protected area networks against the impacts of global change in the Iberian Peninsula.

Interested candidates should send a motivation letter and cv to virgilio.hermoso@ebd.csic.es

Deadline for submissions: 2nd of May 2025.

Main tasks and responsibilities

- Development of species distribution models under current and future conditions across the Iberian Peninsula.
- Spatial prioritisation of management measures using Prioriactions R package.
- Participation on project meetings.
- Dissemination of results through scientific articles and conferences.

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Skills, qualifications and experience

- PhD degree in Ecology or Environmental Sciences.
- Demonstrated experience in R programming language.
- Knowledge of spatial planning tools, such as Marxan, PrioritizR or Zonation.
- Demonstrated ability to develop, collaborate on, and publish scientific research through peer-reviewed publications.

Appointment terms

The successful candidate should be available to take up the position during the second half of 2025. We offer a fixed-term, full-time employment contract for two years. Depending on the experience of the candidate, the salary level will range between 50-63k gross per annum, before taxes and social security contribution deductions. The candidate will enjoy full health cover during the contract.

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