

Position Offered: UNIVERSITY GRADUATE

Project: *Biodiversity trends under global change*

Technological and scientific fields: Biodiversity, habitats, species, databases, remote sensing

Location: Zaragoza, Aragón, Pyrenean Institute of Ecology, <https://www.ipe.csic.es>

Research Group/PI: Conservation of biodiversity. María Begoña García

PROJECT SUMMARY

Mediterranean countries make an extraordinary contribution to biodiversity, and to protect it the EU established the Natura 2000 network. This proposal aims to implement an integrated monitoring system at national level, as early-warning signals of changes in species and habitats of interest. To this end, trends in population abundance will be analysed using field monitoring data (time series of plants and animals) to obtain standardised indicators of biological trends in the Iberian Peninsula, and the extent and functionality of habitats using new generation technologies (changes in land cover, identification of climatic refugia, development of a semi-automatic system for future monitoring of habitats...). Population trends, habitat trends and layers of ecological variables will be integrated and made accessible in a geo-portal.

PROFESSIONAL PROFILE

Minimum requirements:

- Graduate / Master / Doctorate in Biology or Geography
- Knowledge of R and/or other programming languages

Merits to be considered:

- Research experience (demonstrable through contracts or project-related grants).
- Collaboration with research teams (research stays or co-authorship of scientific articles)
- (co-)authorship of scientific articles with an impact.
- To be fluent in English language
- Courses related to remote sensing, use of databases, and/or Artificial Intelligence.

WHAT IS OFFERED

Collaborative work with 25 national teams collecting information on population trends in a wide range of biological groups, located at more than 1000 sites on the Iberian Peninsula. Interaction with teams from Oviedo (CSIC and University) to analyse changes in species at national level, and habitats in the Pyrenean-Cantabrian mountain range. Opportunity to develop pioneering integrative analyses combining large databases and information from remote sensors.

Contract conditions:

Indefinite contract for a University Graduate associated with the Momentum Project of 4 years' duration according to Spanish science law. Gross annual salary (37.000 € - 41.000 €).

Start of contract: before 31 December 2024

PRINCIPAL INVESTIGATOR CONTACT

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