



We are looking for a highly motivated PhD student or postdoctoral researcher to work in the context of the project “Zoonotic disease emergence and the resilience of socio-ecological networks (2022-T1/AMB-24091)”, funded by Comunidad de Madrid and led by Cecilia S. Andreazzi at Universidad Complutense de Madrid (Spain).

Description

The goal of the project is to develop modeling approaches to understand the mechanisms that drive parasite spillover and disease emergence in anthropogenic landscapes. It also aims to model ecological, environmental and socioeconomic interactions as socio-ecological networks, in order to understand how their structure and dynamics affect patterns of biodiversity, social development and public health. The selected candidate will be **responsible** for:

- Data gathering and curation. The data will cover biodiversity, environmental, landscape, climate, socioeconomic, and health information.
- Data analysis.
- Development and implementation of models through analytical methods and simulations.
- Manuscript writing

Additional responsibilities also include:

- Dissemination at scientific conferences and outreach to the society
- Assistance in organizing scientific meetings and workshops

Candidate requirements

- Programming skills and experience in data science
- Experience in network modeling
- Good statistical skills
- Excellent level of written and oral English
- Good interpersonal and communication skills, ability to work both with a high degree of independence and collaboratively
- It is expected that during the contract the candidate will also apply for regional and national funding

Work conditions

- Workplace: Departamento de Biodiversidad, Ecología y Evolución, Universidad Complutense de Madrid (Spain)
- Starting date: September 2024 (exceptional reasons for a delay may be considered)
- Duration: 3 years (PhD student) or 2 years (postdoctoral researcher)
- Full-time dedication

Application

Applications will be sent to cecilia.s.andreazzi@ucm.es with the subject "CAM position" and include the following documents:

- Motivation letter with a background summary and research interests (1 page)
- Updated CV
- Contact details (name, affiliation, and email) of two academic referees.

Applications will be accepted until **15/05/2024**.