

Call for expressions of interest

4-year PhD position

Climate change, cyanobacterial blooms, and implications for human health

Start: Early 2026; **Funding:** PIX2025 Predoctoral Fellowship (Spanish Ministry of Science)

We are seeking a candidate for a PhD at the interface of **environmental epidemiology, freshwater ecology, and climate sciences**, to work with us at Doñana Biological Station ([EBD](#)), which belongs to the Spanish National Research Council ([CSIC](#)). EBD is a public research institute dedicated to the study of Ecology, Evolution and the Conservation of Biodiversity, including a new research line on One Health.

The **main objectives** of the PhD project are

- To establish an indicator time-series on the presence of cyanobacterial blooms in the freshwater bodies of Doñana and reservoirs in Andalucía, putting in value the existing aquatic sensor data and reported fish and bird mortality events in Doñana, combined with satellite imagery data
- To investigate the predictive power of meteorological and hydrological variables regarding the occurrence of cyanobacterial blooms in Doñana and reservoirs in Andalucía
- To examine possible associations between the presence of cyanobacterial blooms and adverse human health outcomes (such as respiratory outcomes, liver cancer, neurodegenerative diseases) in the population resident within or nearby the Doñana Natural Area, and/or in municipalities that derive their drinking water from reservoirs in Andalucía.

Candidate profile

- Master Degree (completed or near completion) in biology, ecology, epidemiology, geography climate sciences, or related fields
- Interest in climate change impacts on natural and human systems
- Experience (or strong interest) in statistical modelling and data analysis
- Basic knowledge of at least one scientific programming language (R, Python, etc.) is of advantage
- Good communication skills in English

What we offer

- A PhD contract, fully funded for 4 years, with competitive salary and social security
- Supervision by Dr Veronika Huber ([Google Scholar](#); [personal website](#)) and Dr Andy J. Green ([Google Scholar](#)).
- A stimulating working environment at EBD-CSIC, located close to the city centre of Sevilla
- Flexibility in working hours and partly mobile working

Expression of interest

We are pre-screening candidates ahead of the official PIX2025 call. Please send an e-mail to veronika.huber@ebd.csic.es and ajgreen@ebd.csic.es, containing: motivation letter (max. 1 page), CV, academic transcript (optional) by **30 September 2025**.