

## PhD position: Bats and birds as sentinels to align rice production and biodiversity conservation

### The role

We are offering a 3- or 4-year PhD position to work on the EU-funded project System-based Environmental Risk Assessment (SYBERAC). This thesis will be supervised by Dr. Ana López-Antia from the Environmental Chemistry Department of the [Institute of Environmental Assessment and Water Research \(IDAEA-CSIC\)](#). The project aims to enhance the sustainability of rice production by developing strategies to assess the risks of pesticides used in this crop on biota, employing bats and birds as sentinel organisms. To achieve this goal, we will assess both the direct effects produced by chemical exposure on bats and birds, as well as the indirect effects on populations resulting, for instance, from the reduction of food and habitat. Additionally, we will explore alternative management measures focused on reducing pesticide use and/or mitigating their effects while maintaining crop productivity

### What do we look for?

- **Qualifications**

We welcome applicants with an MSc degree in biology, veterinary medicine, environmental sciences, agricultural sciences, chemistry, or a related field

- **Professional experience**

Previous laboratory and/or field experience is not required but valued. Good English proficiency required.

- **Competences**

This is a multidisciplinary position that involves a combination of laboratory and fieldwork. Therefore, candidates with experience in both wildlife fieldwork and analytical chemistry laboratory work will have an advantage. Proficiency in GIS and R programs will also be highly valued.

### Working conditions

- **Contract duration:** 3 year (with the possibility of a 4<sup>th</sup> year depending on progress)
- **Estimated annual gross salary:** 30,306 € per year (full time job)
- **Target start date:** ASAP (no later than April 2024)
- **Workplace:** Your primary location will be at IDAEA-CSIC in Barcelona. Fieldwork will predominantly take place in the Ebro Delta.

With abundant opportunities for personal initiative in a vibrant learning environment, we provide excellent training opportunities. We are offering a unique position in an international setting, promoting a pleasant and open working atmosphere.

### How to apply?

Interested candidates should email their CV and motivation letter to Ana López Antia ([ana.lopezantia@idaea.csic.es](mailto:ana.lopezantia@idaea.csic.es))

**Deadline: 15/02/2024**