

Pre-doctoral position on traffic-emitted contaminants in terrestrial ecosystems

The role

We offer a 3-yr PhD position to work on the *TRACERS* project from the National Plan call. The project seeks to increase our understanding on the fate of specific traffic-emitted contaminants in terrestrial ecosystems. The work will cover their emissions and deposition, pathways and biogeochemical behaviour in the biologically active surface zone, transfers to the biosphere via plant uptake and ecotoxicological effects on plants and soil biota. The candidate will obtain comprehensive training and practical experience in a range of techniques and approaches. The work includes fieldwork, sample processing, data processing, publication of results and presentation in conferences. This is a great opportunity to train a PhD student in a broad range of multi-disciplinary skills and knowledge across the atmospheric and soil sciences, ecotoxicology and environmental geochemistry fields.

What do we look for?

- **Qualifications**

Applicants should have a Master's degree or equivalent in Earth Sciences, Environmental Sciences, Chemistry, Biology or a related field by the time of appointment

- **Competences**

Interest or experience in experimental work and environmental geochemistry, and previous relevant laboratory experience are highly desirable. English language skills will be valued.

Working conditions

- **Contract duration: 36 months**
- Predoctoral contract
- Target start date: the position is to be filled as soon as possible

The group

The candidate will join the Environmental Geochemistry and Atmospheric Research group, a multi-disciplinary group [EGAR] <https://www.idaea.csic.es/research-group/environmental-geochemistry-and-atmospheric-research-egar/>

The institute

The **Institute of Environmental Assessment and Water Research (IDAEA)** is an environmental science institute devoted to the study of the human footprint on the biosphere. Much of the research work at this institute is centred on two of the great environmental challenges of our time: cleanliness and availability of water and quality of air.

Founded in 2008 as a member of the **Spanish National Research Council (CSIC)**, the Institute brings together a wide range of expertise in environmental science. It is organized under two Departments (Environmental Chemistry and Geosciences), established with a strong record of publication in top scientific journals, leading international projects, membership on international committees, and adopting a high-profile contribution to the identification and remediation of environmental problems.

IDAEA has demonstrated strengths in the analysis of organic pollutants and their impact on ecosystems, the study and management of water resources, the development of multivariate resolution algorithms in chemometrics, and in the study of inhalable particulate matter and toxic gases.

IDAEA has been awarded with the distinctive **Centre of Excellence “Severo Ochoa”** (2020-2023), distinction that indicates the high-quality scientific leadership and global impact of the work developed at the centre.

We offer a diverse and inclusive environment where no discrimination against disability, gender, nationality, religion or sexual orientation will occur during the selection process.

How to apply?

Those interested may email their CV and motivation letter to Angeliki Karanasiou (angeliki.karanasiou@idaea.csic.es) and Maria Izquierdo (maria.izquierdo@idaea.csic.es) adding 'TRACERS PhD' to the email subject.

Deadline: 28/02/2025