

PhD position at IDAEA-CSIC

The role

PhD position in the RI-URBANS project.

Evaluating the measurement of new metrics in Air Quality monitoring measurements with special interest in nanoparticles, and components of particulate matter (PM) including sources. Compilation of available datasets and overview of data and application of source apportionment models

What do we look for?

- **Qualifications**

Degree in Chemistry / Physics / Earth and life Sciences / Engineering

Applicants shall hold a MSc in chemistry, environmental sciences, chemical engineering, or equivalent

- **Professional experience**

Not required but value

- **Competences**

Specialization towards environmental chemistry and atmospheric sciences, previous experience of field work in atmospheric sciences and data analysis, ability to work with long datasets and programming capacities are valuable merits.

Personal characteristics such as interpersonal skills, analytical and problem-solving skills and the ability to work independently and as part of a team are required.

Advanced spoken and written English is required

Working conditions

- **Contract duration:** 3 – 4 yrs
- Estimated annual gross salary: Salary will commensurate with qualifications and experience
- Target start date: January 2022

The group

The **Environmental Geochemistry and Atmospheric Research (EGAR)** group investigates the chemical and physical processes responsible for the emission, transport, fate and removal of atmospheric pollutants that impact on human health and ecosystems. A major objective is to investigate measures (technological and non-technological) to improve air quality and reduce human exposure to air pollution. Main research lines include, air quality research, source apportionment assessment, atmospheric processes affecting air quality, aerosols and climate change (interpreting optical aerosol radiative effects), human exposure to air pollutants, including commuting, schools, occupational and other indoor and outdoor environments, industrial emissions and industrial wastes (environmental impact and utilisation).

<https://www.idaea.csic.es/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.

IDÆA 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.

IDÆA has been recently 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 **Andrés Alastuey** at andres.alastuey@idaea.csic.es, adding **PhD RI URBANS** to the email subject.

Deadline: 31st December 2021