Scientific reviewer on air quality plans and associated effects

The role

Delivering a report on the scientific reviewer of air quality plans and associated effects, based on scientific publications. Recommendations on most cos-effective urban measures and linking these with the requirements of the new air quality directive.

We are seeking a skilled professional to deliver comprehensive reports on the scientific review of air quality plans and their associated effects. The successful candidate will analyse relevant scientific publications to provide insightful recommendations on cost-effective urban measures. Additionally, the role involves establishing connections between these measures and the requirements outlined in the new air quality directive.

Key responsibilities:

- Conduct a thorough scientific review of air quality plans and associated effects.
- Analyse scientific publications to gather relevant information and insights.
- Provide recommendations on the most cost-effective urban measures to improve air quality.
- Establish a clear link between recommended measures and the requirements of the new air quality directive.
- Collaborate with internal teams to ensure alignment with regulatory standards and guidelines.
- Prepare and deliver detailed reports summarizing findings and recommendations.

What do we look for?

- **Qualifications**
  MSc or BSc Chemistry, Physics, Biology, Geology, Environmental Sciences, Industrial and Civil Engineering
- **Professional experience**
  Not required, but appreciated experience in environmental studies
- **Competences**
  English reading, interest in environmental studies and applied science

Working conditions

- **Contract duration**: **1 year, with possible continuation**
- Salary will commensurate with qualifications and experience
- April 2024

The group

The Environmental Geochemistry and Atmospheric Research group (EGAR) is a reference research team specialised in air quality science and closing the gap between science and policy. The group focuses on 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).

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 **Xavier Querol** by email at: xavier.querol@idaea.csic.es and xqcgeo@gmail.com, adding **GUIDANCE FOR AIR QUALITY PLANS** to the email subject.

Deadline: 21 March 2024