

## 1 POST-DOCTORAL CONTRACT

### The role

We are looking for a Post-Doctoral Researcher for 2 years full time position to support the group's research lines on MARINE POLLUTION.

The Post-Doctoral Researcher will support the group's research lines:

- Development of analytical methodologies for the determination of persistent and emerging organic pollutants in different environmental and biological samples
- Evaluation of the environmental impact on terrestrial and aquatic ecosystems
- Chemical additives associated with plastic
- Human exposure through seafood ingestion

### Main Tasks and Responsibilities

- Management of scientific activity of ACCION Project: *Aproximaciones científicas en la implementación de estrategias marinas: herramientas de gestión*. The project is aimed for an improvement in scientific knowledge on the state of the marine environment, its response and/or adaptation to climate change and integrate it into decision-making on its management. Our role will be focused on contamination in fishery products by studying the presence of new contaminants and identifying those to be incorporated by future European and International directives.
- Management of scientific activity of other ongoing research projects, i.e. "*Microplastics as vectors for chemical additives to marine mussels in Los Lagos Region, Chile*"
- Master's and/or PhD student supervision
- Application for national and European calls for research projects

### What do we look for?

- **Qualifications**

PhD in Chemistry or similar, preferably with analytical knowledge

- **Professional experience**

- Experience with persistent and emerging organic pollutants (halogenated flame retardants, plasticizers, chlorinated paraffins....)
- Knowledge on Non-target Analysis by High Resolution Mass Spectrometry, as well as on Software tools for the processing and interpretation of data.

- **Competences**

Interest and ability to seek external financial support.

### Working conditions

- **Duration:** Full time contract (37.5 hours/week) for 2 years, with the possibility of an extension.

- **Target start date:** As soon as possible

## The group

The research group led by Dr. Ethel Eljarrat is part of the **ONHEALTH** group at the Environmental Chemistry Dept., IDAEA-CSIC (Barcelona, Spain). Eljarrat group focuses its research on the presence, impact and fate of organic pollutants in terrestrial and aquatic environments, biota, food and humans, including not only those that are regulated in the legislation (brominated flame retardants) but also contaminants of emerging concern such as emerging halogenated flame retardants, chlorinated paraffins, organophosphate plasticizers ... for which environmental occurrence and ecotoxicity data are very scarce.

## 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**, **motivation letter** and **letters of recommendation** (*optional*) to **Ethel Eljarrat** at [ethel.eljarrat@idaea.csic.es](mailto:ethel.eljarrat@idaea.csic.es), adding *POST-DOC POSITION (MARINE POLLUTION)* to the email subject.

**Deadline: 31 January 2023**