

Refº. Unit Request: Headquarters (Terceira Island)

Vacancy Title: Project Officer – Earth Observation Laboratory

Location of work to be performed: Headquarters (Terceira Island, Azores, Portugal)

Contract Duration: 30 months

The Atlantic International Research Centre (AIR Centre) has a vacancy for a Project Officer for the Earth Observation Laboratory (EO Lab). You will be joining a dynamic and multidisciplinary team and work in the diverse and emerging fields of Earth Observation (EO), such as detection of marine litter, monitoring of air and water quality and new applications in sectors such as aquaculture. You are expected to coordinate proposal writing as well as outreach and training activities within the AIR Centre International growing network to support Copernicus uptake. As a Project Officer, you will work with a blend of technical, scientific, industrial and outreach activities while supporting and identifying new opportunities within the AIR Centre missions. You will also have the opportunity to work in a high-throughput edge-computing node for EO data processing, as well as with a satellite direct receiving station.

Tasks and Responsibilities:

- Manage projects related with EO including technical, outreach, training, and results dissemination
- Lead the preparations of proposals on R&D&I (eg. Horizon2020 and other programs)
- Identify new opportunities and partners
- Manage resources to carry out the activities
- Analyze and understand different types of remote sensing data needed for different types of projects
- Design and build algorithms using real world data and automate remote sensing and geospatial workflows

Qualifications and Required Skills:

- Relevant Msc degree with at least 3 years of experience or PhD degree in Aerospace Engineering, Engineering Physics, Electrical and Computer Engineering, Civil Engineering, or a related field.
- Familiarity with European Framework projects and national funding programs
- Experience in managing projects and interfacing with customers
- Experience in the organization of outreach and training activities
- Relevant background in remote sensing and processing geospatial such as Sentinel and MODIS
- Able to work in dynamic teams, with excellent inter-personal and communication skills
- Excellent English verbal and written communication skills

Working Place:

The EO Lab is a dedicated unit of the AIR Centre, located in the TERINOV Technological Park (Terceira island, Azores) and is established as ESA_LAB@Azores, a laboratory to set-up an institutional link between academia, high-tech enterprises, research institutions and European Space Agency to explore innovative applications of space technologies of observation in the Atlantic area.

The EO Lab contributes to maximizing the integration of a distributed space ecosystem, extending the use of space technologies and applications to support societal challenges, public demands and policies in the Atlantic

space and contributing to a better knowledge of understudied areas. It is also a laboratory to test procedures and methods to connect peripheral regions into globally competitive technological sectors by supporting research, innovation and entrepreneurship. The aim is to set-up a collaborative framework to identify, consolidate, sustain, stimulate, promote and build capacity for existing, new and future EO based services of use for Atlantic Ocean countries.

The AIR Centre is a distributed network of nodes being articulated to improve the development of large-scale joint initiatives, projects and integrated actions, taking advantage of synergies of existing and connected distributed infrastructures, institutions and resources in the Atlantic region with particular attention to both sides of the tropical and South Atlantic area. Its main purpose is to strengthen research and innovation cooperation among the Atlantic countries to address the challenges of developing a more integrated and connected sustainable blue-economy in the Atlantic basin. It focuses on enhancing scientific and technological collaboration between public and private entities in a wide range of areas related to the marine and maritime environment, based on a network with the capacity to attract scientists and technology-based companies. It aims to accelerate the generation and flow of knowledge of excellence and its valuation in the field of blue economy, including aspects such as climate change, food and energy security, circular economy, maritime technologies and the conservation of marine natural resources. It is capable of reaching a more significant population segment in a faster and more efficient way, accelerating the connectivity and interaction of the regions in this space. It pursues the use and management of the marine and oceanic environment in a more intelligent, sustainable and inclusive way. The United Nations agenda for 2030 is an important reference for the AIR Centre, which works to achieve its objectives, developing effective, viable capacities, knowledge and technologies for the region. It aims to improve the mutual understanding and collaboration of countries, regions and entities connected by the Atlantic Ocean, by strengthening cooperation with the European Union and by harnessing the capabilities of its outermost Atlantic territories. Ultimately, it seeks to materialise the benefits of the blue economy in the Atlantic, promoting the skills, knowledge, and technological solutions necessary to address social and economic challenges.

Application Process:

Interested candidates should send a single PDF file (please name it: Name_EOLAB.PDF), to recruitment@aircentre.org containing:

- 1) Motivation Letter
- 2) Detailed CV
- 3) Contacts of 2 references

The deadline for application submission is May 5th, 2021. Selected candidates will be invited for an interview, via videoconference.