



**Position:** Post-Doctoral Research Fellow at the Environment and Climate Department

**Ref No.:** ERA-PDR-ECD-33

**Category:** Full-time or part-time employment

**Location:** ERATOSTHENES Centre of Excellence, Limassol Cyprus

### **ERATOSTHENES CENTRE OF EXCELLENCE**

### **ONE (1) POST-DOCTORAL RESEARCH FELLOW POSITION AT THE ENVIRONMENT AND CLIMATE DEPARTMENT**

ERATOSTHENES Centre of Excellence ([www.eratosthenes.org.cy](http://www.eratosthenes.org.cy)) of Cyprus University of Technology ([www.cut.ac.cy](http://www.cut.ac.cy)) invites applications for one (1) position at the Post-Doctoral Research Fellow level at the Environment and Climate Department of ERATOSTHENES Centre of Excellence. The position is open either on a full-time (100%) or part-time employment basis. The successful candidate will conduct research under multiple Eratosthenes Centre of Excellence projects funded by the European Union, including the flagship Excelsior H2020 Teaming project (<https://excelsior2020.eu/>) and the recently commenced Horizon Europe 'CARBONICA' (Carbon Initiative for Climate-resilient Agriculture of ERATOSTHENES Centre of Excellence on Environment & Climate; <https://cordis.europa.eu/project/id/101087233>) project, as well as the Research and Innovation Foundation (RIF) 'GreenCarbonCY' (Transitioning to Green agriculture by assessing and mitigating Carbon emissions from agricultural soils in Cyprus of ERATOSTHENES Centre of Excellence on Environment & Climate) project and other national or industry-funded projects.

ERATOSTHENES Centre of Excellence is an autonomous Centre of Excellence with Cyprus University of Technology as its sole stakeholder, specialising in earth observation, space technology and geospatial analysis. Cyprus University of Technology has a 13-year experience in earth observations and geospatial analysis. Through the 'EXCELSIOR' H2020 Teaming Project (<https://excelsior2020.eu/>), ERATOSTHENES Centre of Excellence aspires to become a Digital Innovation Hub for Earth Observation and Geospatial Information by offering knowledge, responsible research, open innovation and application services capable of sustaining Cyprus' development. ERATOSTHENES Centre of Excellence aspires to actively contribute to the European Research Area (ERA) priorities in Atmosphere and Climate, Resilient Societies and Big Earth Data Analytics, as well as to become the reference

Earth Observation/Geoinformation Centre for research and innovation in the Eastern Mediterranean, Middle East and North Africa (EMMENA) region.

A core activity of ERATOSTHENES Centre of Excellence is to conduct high caliber, state-of-the-art research, both basic and applied. A central task is to acquire research funding for the Centre, to provide facilities to the researchers, and to support them to acquire funding for their research independently and via international and local collaborations. Collaborations with industrial partners are particularly encouraged and facilitated.

**GreenCarbonCY**: aims to develop an integrated and web-based decision support tool for monitoring CO<sub>2</sub> emissions and evaluating energy efficiency and circular economy impacts in Cypriot agroecosystems. The approach uses an integrated model that characterizes the study areas' current state and future risks in terms of Cyprus's future climate and socio-economic changes. Therefore, advanced earth observation (EO) products, modeling, and scenario simulations are employed to provide local agricultural consortia and administrations, regional organizations, and international institutions with information on the current status.

**CARBONICA**: aims to introduce Carbon Farming techniques in the widening countries of Greece, North Macedonia and Cyprus. To achieve this overarching goal, the Carbonica Excellence Hub will be established, aiming to connect and strengthen the innovation ecosystems of the three Countries by streamlining the R&I between them to bolster the adoption of CFA, by coming up with new business models for the agrofood industry that would take into account carbon sequestration, by bringing together policy makers and civil society, all the while fostering the reduction of their carbon footprint (<https://carbonica-hub.eu/>).

Appropriate measures of success will be collaboratively determined based on the Centre's strategic growth plan and sustainability targets. These will be revised periodically by the Executive Committee and the Board of Directors.

### **Description of the Position**

This position concerns researchers with Doctoral Degree.

### **Duties and Responsibilities**

The successful candidate will be placed in the Environment and Climate Department of ERATOSTHENES Centre of Excellence, and is expected to contribute towards shaping and advancing its research and innovation agenda by:

1. Conduct applied or fundamental research;
2. Participation and/or organisation of trainings;
3. Participation in the preparation and submission of project deliverables;
4. Dissemination and communication of the project results through journal/conference publications, participation in conferences, information days and other relevant events;

5. Assisting in the definition of research goals and writing research proposals with the assistance of the Coordinator of the relevant Department;
6. Assisting in the establishment of local, regional, and international research networks that can support the long-term research agenda and priorities of the ERATOSTHENES Centre of Excellence;
7. Undertaking any other relevant duties deemed necessary.

## **Qualifications**

1. B.Sc. in Agriculture; or Environmental; or Biological Sciences; or Chemistry; or Biochemistry; or similar field;
2. M.Sc. in a relevant subject, such as: Computer Science; or Economics; or Environmental Sciences; or Ecology; or Agricultural Sciences; or Biogeochemistry; or Plant ecophysiology, or Soil Science, or Microbial ecology; or Biology; or Biotechnology; or other relevant field;
3. PhD in relevant subject; for example: Environmental Engineering; or Agricultural; or Environmental; or Biological Science; or Ecology; or Microbial ecology; or Environmental Microbiology; or other relevant field;
4. Previous experience in crops nutrition; or N fertilisation options to develop precision farming recommendations; or yield productivity; or biotic and abiotic stresses in plants; or assessing the impacts on ecosystem services; will be considered as an advantage;
5. Statistical skills, experience with fieldwork, and programming experience (e.g. in R or Python) will be an advantage;
6. Expertise in LCA modelling (environmental, economic & societal) & Product environmental footprint (PEF) will be considered as an advantage.
7. Excellent knowledge of the English language both verbal and in writing is required.

## **Minimum Requirements for the post of Post-Doctoral Research Fellow'**

The minimum requirement for the position of Post-Doctoral Research fellow is a doctoral degree from a recognized university.

The appointment will be for a period of one year (12 months) with the prospect of renewal for another one year. The annual gross salary for the (full-time) position will range from €36732.10 to €41408.54, depending on qualifications. It is noted that there is provision for 13<sup>th</sup> salary (the cost of the 13<sup>th</sup> salary is proportionally incorporated in the monthly remuneration).

**Interested candidates must submit their application comprising of all documents listed below via email to [vacancies@eratosthenes.org.cy](mailto:vacancies@eratosthenes.org.cy), entering**

**in the subject line: “*Application for Post-Doctoral Research Fellow at the Environment and Climate Department*” no later than Monday 27 March 2023 at 14.00 CYPRUS TIME, which is the deadline for the submission of the applications.**

1. A letter in English stating the Department, the rank, the specialization in which he/she is interested in, as well as the date on which he/she can undertake responsibilities in case he/she is appointed, in English;
2. *Curriculum vitae* in English;
3. A short review of the research interests as well as a brief description of the future research plans, in English - up to 1500 words;
4. List of publications in English;
5. Reprints of at most three representative publications (if any);
6. Copies of the candidate’s degree certificates;
7. Contact details;
8. Names and contact details of at least three senior academic/research referees. Candidates should request confidential letters of reference in English from the above senior academic/research referees, which must be sent by the referees themselves directly to ERATOSTHENES Centre of Excellence via email to [vacancies@eratosthenes.org.cy](mailto:vacancies@eratosthenes.org.cy), by the deadline for the submission of the applications. The names and addresses of the referees should be submitted together with the application because ERATOSTHENES Centre of Excellence may also request additional confidential information. ERATOSTHENES Centre of Excellence may also request reference letters from independent referees of the choice of members of the appointed Evaluation Committee, if considered necessary.

For further information visit ERATOSTHENES Centre of Excellence webpage at <http://www.eratosthenes.org.cy>

It is noted that:

- For non-EU applicants a work permit will be required;
- Applications will be treated in strict confidence. All information provided will comply with the General Data Protection Regulation (GDPR) of the European Union;
- The job requires that the Researcher is physically present at the Centre’s premises and preferably becomes a resident in the area of employment;
- ERATOSTHENES Centre of Excellence is an equal opportunity employer;
- ERATOSTHENES Centre of Excellence does not discriminate in any way on the basis of gender, religion or belief, ethnic, national or social origin, age, physical ability, marital status and sexual orientation.
- The title of the position may be modified.



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