HELLENIC REPUBLIC
MINISTRY OF DEVELOPMENT
GENERAL SECRETARIAT FOR RESEARCH & INNOVATION

FORTH
FOUNDATION FOR RESEARCH & TECHNOLOGY - HELLAS
INSTITUTE OF CHEMICAL ENGINEERING SCIENCES

Patras, 29.07.2024
Ref. No.: 148620

This project has received funding from the European Union's Horizon Europe (2021-2027) research and innovation programme under grant agreement No 101137639.

Invitation for Expression of Interest:
Postdoctoral Research Assignment "Measurements and chemical characterization of atmospheric aerosols"

The Institute of Chemical Engineering Sciences, Foundation of Research and Technology - Hellas, (FORTH/ICE-HT) is seeking applicants for one postdoctoral research assignment in the context of the research project "Clouds and climate transitioning to post-fossil aerosol regime (CleanCloud) GA-101137639 — CleanCloud — HORIZON-CL5-2023-D1-01 / HORIZON-CL5-2023-D1-01-04" which is implemented under the EU- Horizon Europe Research and Innovation Action (2021-2027).

Job Description
To conduct research under a work assignment or a fixed-term employment contract in the framework of the aforementioned project "CleanCloud" and in work packages: WP4 and WP5. CleanCloud will address the major gaps impeding robust aerosol-cloud interaction (ACI) assessments, improve their representation in current and next generation kilometer-scale climate models, quantify and understand their regional and temporal effects, and how they will evolve in the transition to the post-fossil regime. To accomplish this, CleanCloud will 1) carry out targeted field experiments in European climate hotspots; 2) develop state-of-the-art algorithms and analysis tools to obtain new proxies and diagnostics for key ACI-related processes; 3) contribute to the calibration and validation of upcoming satellite missions in coordination with the satellite community; 4) improve and better constrain kilometer- and large-scale climate models using advanced machine learning, data assimilation and model calibration, confronting perturbed physics ensembles with existing and new satellite and in-situ data; and 5) assess the role of aerosols in the life cycle of convective systems, focusing on precipitation formation and the impacts on the hydrological cycle, and 6) enhance the exploitation of data centres, measurement programs, international campaigns, laboratory studies, and models. With these, CleanCloud will profoundly strengthen European Research on climate change, significantly contribute to upcoming climate assessments, and benefit society through models that enable improved weather and seasonal predictions.

Location: FORTH/ICE-HT, Patras, Greece
Duration: up to 12 months with the potential of renewal or extension according to the needs of the project and performance
Salary: up to 3.000 Euros per month depending on qualifications (total cost of the employer, including social security and taxes)
Envisaged starting date: 01/10/2024

Requirements and Qualifications
A PhD in Chemical Engineering or Chemistry is required.

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The evaluation of the candidacies will be based on the following criteria and qualifications:

Qualifications	Points	Evaluation criteria
PhD thesis relevant to oxidative potential (OP) of atmospheric aerosols	40	Degree of relevance: strong relevance: 40 points, medium relevance: 20 points, weak relevance: 10 points
Proven experience in research and education of atmospheric chemistry, atmospheric pollution, and environmental chemistry	30	2 points per month with a maximum score of 30 points
Publications in peer-reviewed international journals on atmospheric aerosols	30	Number of related publications in peer-reviewed international journals: 4 points / publication, with a maximum score of 30 points
Overall	**100**	

Application Submission
Interested candidates who meet the aforementioned requirements should submit their applications, no later than 8/8/2024, 16:00, by email to Kleanthi Zacharopoulou: kleanthi@iceht.forth.gr.
In order to be considered, the application must include:

- Application letter
- CV
- Scanned copies of academic titles
- Copies of the publications in peer-review international journals
- Copy of PhD thesis
- Employer's certificate of the work experience and any other official document to certify the aforementioned required qualifications

Any application received after the deadline will not be considered for the selection.

Selection Procedure
Applications that are received on time will be evaluated by a scientific committee using the criteria mentioned above. If necessary, certain candidates will be invited to a personal interview with the committee.
Interview Criteria:
(a) Background in the objective of the assignment (5 points). (b) Organizational and communication skills (5 points). (c) Team-spirit and self-motivation (5 points). (d) Commitment to achieving the goals (5 points)
The outcome of the selection will be announced on the website of FORTH/ICE-HT as well as on the website of "DIAVGEIA".
In case of titles and qualifications awarded by foreign Higher Education Institutions, the provisions of the Law 55/2023 (article 36) and 4957/2022 (article 304) are implemented.

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Selection Announcement
The result of the selection will be announced on the website of: FORTH/ICE-HT.
Candidates have the right to appeal the selection decision, by addressing their written objection to the FORTH/ICE-HT Research Secretariat, e-mail: kleanthi@iceht.forth.gr, within five (5) days after the results announcement on the web.

Contact
For information and questions regarding the application and selection procedure, candidates are asked to contact the FORTH/ICE-HT Research Secretariat, e-mail: kleanthi@iceht.forth.gr, tel.: +30 2610 965278.
For information and questions about the advertised position and the research activity of the group or the Institute, candidates are asked to contact Professor Athanasios Nenes, tel: +30 2610 965343, e-mail: athanasios.nenes@epfl.ch.

General Protection Data Regulation
FORTH is compliant with all legal procedures for the processing of personal data as defined by the Regulation EU/2016/679 on the protection of natural persons with regard to the processing of personal data.
FORTH processes the personal data and relevant supporting documents that you have submitted to us. Processing of that data is carried out exclusively for the needs and purposes of this specific call. Such data shall not be transmitted to or communicated to any third party unless required by law.
FORTH retains the above data up to the announcement of the final results of the call, unless further process and reservation is required by law or for purposes of exercise, enforcement, prosecution of certain one's legitimate legal rights' as defined in the Regulation EU/2016/679 and/or in national law.
We inform you that under the Regulation EU/2016/679 you have the rights to be informed about your personal data, access to, rectification and erasure, restrictions of process and objection to as provided by applicable regulation and national laws.
We acknowledge also to you, that you have the right to file a complaint to the national Data Protection Authority. For any further information regarding exercise of your personal data protection rights, you may contact the Data Protection Officer at FORTH at dpo@admin.forth.gr.
You have the right to withdraw your application and consent for the processing of your personal data at any time. We inform you that, in this case, FORTH shall destroy such documents and/or supporting documents submitted and shall delete the related personal data.

For FORTH/ICE-HT,

Theophilos Ioannides
Director

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