



HELLENIC REPUBLIC
MINISTRY OF DEVELOPMENT
GENERAL SECRETARIAT FOR RESEARCH & INNOVATION



FORTH

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

Patras, 18.09.2026

Ref. No.: 234520



This project has received funding from the European Union's Horizon Europe (2021-2027) research and innovation programme under grant agreement No 101293649.



Invitation for Expression of Interest:

Research Assignment "Investigation of aerosol–cloud interactions and their implications for air quality, climate and human health"

The Institute of Chemical Engineering Sciences of the Foundation for Research and Technology Hellas, (FORTH/ICE-HT) is seeking applicants for one research assignment in the context of the research project "Next Generation Earth System Modelling for Realistic Projections of Rapid Climate Evolution in the Coming Decades" (RealESM) GA- 101293649 — HORIZON-CL5-2025-06" which is implemented under the EU- Horizon Europe Research and Innovation Action (2021-2027).

Job Description

To conduct research under a work assignment or fixed-term employment contract in the framework of the aforementioned project " RealESM ". The aim of the Horizon Europe funded RealESM project is to advance European capability for Earth System Modelling, underpin long-term science, and contribute to the global effort to reduce the consequences of climate change. The overall objective of RealESM is to enhance our ability to anticipate global and regional climate conditions and extreme events in the coming years and decades, by realistically and efficiently simulating atmospheric and ocean processes, and their interactions, under anthropogenic and natural forcing. RealESM will deliver (i) advances in process representation in Earth System Models at varying resolutions, (ii) step changes in model capabilities to efficiently simulate and project global and regional climate change on decadal scales, (iii) detailed quantification of physical hazards in the atmosphere and ocean, and the role of atmosphere-ocean interactions in their development, under realistic conditions, and (iv) science-based communication of a broader set of possible climate outcomes for the coming decades, in support of adaptation and risk mitigation.

The objective of this job is to contribute to the quantification of climate–air quality interactions, with emphasis on understanding the complex links between atmospheric processes, aerosol characteristics, and their impacts on environmental and human health.

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 approximately 1700 Euros per month, (total cost of the employer, including social security and taxes), depending on qualifications.

Envisaged starting date: 01/11/2026

Requirements and Qualifications

The candidate is required to hold an Integrated Master's Degree (BSc & MEng) in Chemical Engineering or related field. The candidate should have been registered as a PhD Candidate. Moreover, candidates must be fluent in Greek language and have good knowledge of English (at least level B2) language. A



This project has received funding from the European Union's Horizon Europe (2021-2027) research and innovation programme under grant agreement No 101293649.



background in atmospheric and/or aerosol science is desirable. Prior aerosol research experience (lab and field work) and familiarity with aerosol instrumentation, measurements of their climate-relevant properties (CCN and INP activity, Brown carbon), are highly desirable. Skill in measuring other properties linked to their reactivity (e.g., OP, metals) is also desirable.

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

Qualifications	Weight	Evaluation criteria
Demonstrated lab and field experience in aerosol-related projects	45	15 points for each trimester, up to 45 points
Relevance of diploma thesis to the subject of the position (BrC, OP techniques)	35	Demonstrated through diploma thesis: weak relevance: 7 points, medium relevance: 15 points, strong relevance: 35 points
Diploma grade	20	Grade X 2 points
Overall	100	

Application Submission

Interested candidates who meet the aforementioned requirements should submit their applications, no later than 30/09/2026, 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 & English language certificate
- Certificate of registration as a PhD candidate
- Copy of diploma thesis
- Employer's certificate and any other official documentation of the required experience

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.

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



This project has received funding from the European Union's Horizon Europe (2021-2027) research and innovation programme under grant agreement No 101293649.



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



This project has received funding from the European Union's Horizon Europe (2021-2027) research and innovation programme under grant agreement No 101293649.



REAL-ESM PROJECT SUPPORTED BY EUROPEAN COMMISSION
EUROPEAN UNION PROJECT TOPIC: CLIMATE CHANGE AND CLIMATE ACTION