



Patras, 15.02.2022

Ref. No.: 72218

### Invitation for Expression of Interest:

**PhD Candidate** “Global atmospheric simulations of the contribution of aerosols on ice nuclei and ice formation”

The Institute of Chemical Engineering Sciences, Foundation of Research and Technology - Hellas, (FORTH/ICE- HT) is seeking applicants for one PhD position in the context of the research project «Constrained aerosol forcing for improved climate projections (FORCeS)” (Grant Agreement number: 821205 — FORCeS — H2020-LC-CLA-2018-2019-2020 / H2020-LC-CLA-2018-2) which is implemented under the EU-Horizon 2020 Research and Innovation Action.

#### Job Description

To conduct research as a graduate research fellow, under a work or an employment contract, in the framework of the aforementioned project "FORCeS". The main objective of FORCeS is to understand and reduce the long-standing uncertainty in anthropogenic aerosol radiative forcing and to increase confidence in climate projections. The objective of this job is to improve the global simulations of ice nuclei distribution by evaluating model results by comparison with observations and identifying potentially missing ice nuclei sources, and investigate their effect on radiative forcing and in-cloud's processes.

**Location:** FORTH/ICE-HT, Patras, Greece

**Duration:** up to 6 months, with the potential of renewal or extension according to the needs of the project

**Salary:** up to approximately 1600 € per month depending on qualifications (total cost of the employer, including social security and taxes)

**Envisaged starting date:** 1/4/2022

#### Requirements and Qualifications

The applicant should hold undergraduate B.S. or Diploma in Physics or relevant field and a Master's Degree in Chemical Engineering or Environmental Sciences. Experience with code development in 3-dimensional atmospheric transport and chemistry models as well as for data analysis and visualization and in the development and use of 3-dimensional global chemical transport model TM4 would be strongly favored. The applicant should have been registered as a PhD Candidate in Chemistry- Environmental Chemistry. Moreover, candidates must have good knowledge of the Greek and English (level B2) language.

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



Qualifications	Points	Evaluation criteria
Experience in code development in 3-dimensional atmospheric transport and chemistry models as well as for data analysis and visualization	30	Criterion is the duration of work, 10 points / year, maximum score 30 points
Master in Chemical Engineering or Environmental Sciences	20	Master thesis relevant to atmospheric aerosols: strong relevance: 20 points, medium relevance: 10, weak relevance: 5 points
Experience in the development and use of 3-dimensional global chemical transport model TM4	20	Criterion is the duration of work, 5 points / year, maximum score 20 points
Publications in peer-review international journals & in conference proceedings	20	Number of publications in peer-review international journals & conference proceedings: 2 points per publication with a maximum of 20 points
Degree grade	10	Degree grade X 1 point
<b>Overall</b>	<b>100</b>	

### Application Submission

Interested candidates who meet the aforementioned requirements should submit their applications, no later than 2/3/2022, 16:00, by email to Kleanthi Zacharopoulou: [kleanthi@iceht.forth.gr](mailto: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 Master thesis
- Copies of publications in peer-review international journals & conference proceedings
- One letter of recommendation
- 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”.

### **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](mailto: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](mailto: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 Maria Kanakidou, tel: +30 2810 545033, e-mail: [mariak@uoc.gr](mailto:mariak@uoc.gr).

### **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](mailto: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,  
Vasilis Burganos  
Director

