Public Notice – Assistant Researcher

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Deadline: 27/12/2023

Under the terms of Order no. 181/2023, of 04 January, by delegation of competencies, the Director of the Faculty of Sciences and Technology of the New University of Lisbon, Prof. Dr. José Júlio Alves Alferes, makes known, it is open, for a period of 15 working days from the immediate day of publication of this Notice in the Portuguese official journal, an international call for applications, with internal reference DCEA-CIRCOMOD-IA, for the recruitment of one Assistant Researcher, under an uncertain term contract, within the scope of the CIRCOMOD project - Circular Economy Modeling for Climate Change Mitigation, financed by the Horizon Europe programme of the European Commission under the terms of Decree-Law no. No. 57/2016, of 29 August, amended by Law No. 57/2017, of 19 July, in the areas of climate mitigation, circular economy and modelling.

In compliance with paragraph h) of article 9 of the Constitution of the Portuguese Republic, the NOVA University of Lisbon, as an employer, actively promotes a policy of equal opportunities between men and women in access to employment and professional progress, scrupulously taking steps to avoid any form of discrimination.

I - Work Place

Installations of the Faculty of Sciences and Technology of Universidade NOVA, located in the Caparica Campus, in the Department of Environmental Sciences and Engineering, Centre for Environmental Research and Sustainability – CENSE.

Without prejudice to the provision of teleworking when compatible, as agreed between the parties or legally required, all travelling, in Portugal or abroad, inherent to their duties or necessary to their activity.

II - Activities and Functions:

Development of scientific research directly or indirectly associated with the tasks defined in the Project such as:

a) Identification and analysis of circular economy practices and strategies, with special emphasis on vehicles and electricity generation technologies;

b) Expand/improve the TIMES energy system model for Europe to simulate:

   i. use-and demand-related circularity options;

   ii. supply of primary and secondary materials in terms of technological characteristics, energy use, emissions (including mitigation options) and associated costs;

   iii. circularity in the production and lifetime extension of products with high material requirements.

c) Define the scenario framework that combines socio-economic projections with narratives on the evolution of circular economy policies to explore their impact on climate mitigation;

d) Assessment of circular economy impacts on climate mitigation through the use of TIMES for Europe;

e) Organization and/or participation in the dissemination of preliminary and final results to different types of audiences;
f) Preparation of scientific publications.

III - Remuneratory position:

The definition of the position has as a reference the remuneration levels of the categories listed in Annex I of the Statute of the Scientific Research Career, approved by Decree-Law no. 124/99 of 20 April, in its current wording, and the initial level to be applied has as a reference the remuneration level 33 of the Single Remunerations Table (SRT) according to regulatory decree 11-A/2017 of 29 December, corresponding to the 1st remuneration position, index 195, which corresponds to the value of €3,327.76.

IV - Modality and duration:

1. The opening of the present tender procedure is intended for the selection of a post of doctoral candidate to carry out scientific research activities under an employment contract for an unspecified fixed term, where the basis for hiring is the execution of a determined, precisely defined and non-lasting service, and the contract must be financed regardless of its origin.

2. The uncertain-term contract last for the duration of the project task 24 months or for the duration of the funding, but cannot exceed the maximum limit of 72 months.

V - Requirements for admission of candidates

1. Under the terms of article 12 of Decree-Law no. 57/2016, of 29 August, the candidate must:
   - PhD’s degree in engineering, environmental sciences, economics or a related field (on the date of signing the contract);
   - Knowledge/hands-on experience in the fields of energy transition, climate mitigation, and technoeconomic development related to the energy system;
   - Hands-on experience with integrated assessment modeling tools, being valued the experience with TIMES model family;
   - Good knowledge of the European energy system and mitigation goals;
   - An excellent spoken and written communication skills in English, particularly the ability to write and expose ideas consistent with scientific standards.
   - Good skills in communicating to scientific and non-scientific audiences.

The following skills and experience are an advantage:

- Experience in the development or application of quantitative modeling techniques, particularly in the area of energy transition, climate mitigation and circular economy;
- Knowledge in circular economy strategies and policies over Europe;
- Experience in a multidisciplinary working environment, particularly in scientific projects.


VI - Instruction of the candidature

1. The application must be completed by filling in the respective application form, which is available at https://www.fct.unl.pt/en/faculdade/concursos/investigadores.

2. The application must be accompanied by the documents in Portuguese or English.
3. The application should be submitted by e-mail, containing the following documents:
   a) Curriculum vitae of the candidate, which must include
      i) The identifications "Researcher ID", "Scopus Author ID" and "Google Scholar ID".
      ii) Research and development activities and all other activities considered relevant to the present tendering procedure, in accordance with the terms of the present announcement;
   b) Certificate proving a doctorate in engineering, environmental sciences, economics or related fields or proof of appointment for doctoral exams by 1 January 2024 at the latest;
   c) Published works, mentioned in the curriculum vitae, namely the most representative ones, regarding their contribution to the development and evolution of the disciplinary area in which the competition is open;
   d) Declaration, under oath, that if the jury chooses to request the documentation indicated in the previous items or any other scientific documentation cited in the candidate's curriculum vitae, it will be delivered within 10 working days;
   e) Expression of interest (max. 1 page drafted in English) describing the candidate's skills and professional experience and how they are suitable for the job position;
   f) At least 1 letter of recommendation and 2 contacts for references;
   g) Other documents that the candidates may find relevant for the analysis of their application.
4. If a member of the jury is a non-Portuguese-speaking member, the documents for the candidates' prior hearing and claims to be considered by the jury must be submitted in English.

VII - Submission of the application
1. The application documents must be submitted by the 15th working day after the day following the publication of this Notice in the Official Journal.
2. Candidates will submit their application documents, in PDF format, by e-mail to the following address: div.rh.recruta.ndoc@fct.unl.pt.

VIII – Interview
1. The Jury shall decide in the first meeting whether it is necessary to interview all the candidates or some of the candidates.
2. The interview has a maximum weight of 10% of the total evaluation.
3. The interview shall aim at clarifying or explaining the elements contained in the candidates’ Curriculum Vitae.

IX - Evaluation parameters
1. The present competition is designed to evaluate candidates’ capacity and performance in the different parameters under the terms of paragraph 1 of article 5 of DL no. 57/2016.
2. The curricular evaluation of the various candidates in each of the strands described below shall take into consideration the scientific area in which the competition is open.
3. The parameters to be taken into consideration in the curricular evaluation of the candidates, in each of the aspects, are the following, referring to the last 10 years:
   a) Quality of scientific work (QTCT);
b) Scientific, technological production (PCT);
c) Applied, or practice-based, research activities (AIAB);
d) Extension and dissemination of knowledge activities (AEDC);
e) Activities of management of science, technology and innovation programmes (AGCTI);

X - Reasons for exclusion
The following are grounds for excluding a candidate from admission to the competition:
a) Incorrect formalization of the application;
b) Failure to submit the documents required in points V(3)(a) to (d), or their submission is illegible or invalid.

XI - Ranking of candidates
1. The jury shall decide on the admissibility of the candidates, by justified roll-call vote, expressed by the formulas Rejected or Approved.
2. Each panel member shall make a justified proposal of rejected or approved for each of the candidates.
3. The candidate who obtains the favorable vote of more than half of the members of the jury shall be considered approved.

XII- Ordering and voting methodology
1. Once the candidates who have passed with absolute merit have been definitively identified, the jury shall proceed to their relative classification.
2. Each member of the jury shall perform a curricular evaluation of the candidates by presenting a written opinion, to be later included in the minutes, in which they propose the ranking of the candidates duly based on the evaluation criteria indicated in this notice, scoring each candidate for each criterion on a numerical scale from 0 to 100 points.
3. The evaluation criteria indicated should be weighted as follows:
   - Quality of scientific and technical work (QTCT): 45%
   - Scientific, technological production (PCT): 35%
   - Applied, or practice-based, research activities (AIAB): 10%
   - Extension and dissemination of knowledge activities (AEDC): 5%
   - Science, technology and innovation programme management activities (AGCTI): 5%
4. The ordering of the Approved candidates is done by vote of the members of the jury, respecting the order presented in the opinion referred to in the previous number, under the following terms:
a) The first vote shall be aimed at determining the candidate to be placed first;
b) In the voting referred to in the previous sub-paragraph, if a candidate obtains more than half of the votes to be placed first, he/she shall be ranked in that position;
c) Should the situation referred to in the previous sub-paragraph not occur, a new vote shall be held, only among the candidates who obtained votes for first place, after withdrawing the candidate who received the least votes for that position in the previous vote;
d) If there is more than one candidate to be withdrawn, due to an equal number of votes, with a minimum of one vote each, a vote shall be held only on those candidates in order to determine the candidate to be withdrawn from the following vote; in that vote, each member shall vote, from among the candidates with equal votes, for the candidate occupying the lowest position in the ranking on his or her report.

e) In case of a tie, the tie shall be broken through the tie-breaker vote or the Chairperson's casting vote.

f) Voting shall be repeated until it is determined, by the process previously described, which candidate shall be ranked first. If only two candidates remain and each one obtains half of the votes, the tie-breaker is made through the quality vote of the jury chairperson.

g) Once the candidate for the first place is chosen, he/she is removed from the voting and the entire process is repeated for the second place and so on until the ordered list of all the candidates is obtained.

XIII - Notifications and Hearing of Interested Parties

1. A prior hearing shall be held, under the terms of the Administrative Procedure Code, for candidates who have been rejected, and for candidates who have been placed on the ranking list of candidates who cannot be filled for the position open for competition. All the candidates shall be notified of the homologation of the jury's final deliberation.

2. Notifications shall be made by e-mail.

3. The tender dossier may be consulted by the candidates, in the Human Resources Division of FCT NOVA, under the terms indicated in the above mentioned notification.

XIV - Composition of the Jury:

Chairman:
Doctor Patricia Alexandra Fortes da Silva, Assistant Researcher of Faculdade de Ciências e Tecnologia da Universidade NOVA de Lisboa;

Effective Members:
Doctor Maria Júlia Fonseca de Seixas, Full Professor of Faculdade de Ciências e Tecnologia da Universidade NOVA de Lisboa;
Doctor Francisco Manuel Freire Cardoso Ferreira, Associate Professor of Faculdade de Ciências e Tecnologia da Universidade NOVA de Lisboa;

Substitute Members:
Doctor Tomás Augusto Barros Ramos, Associate Professor with Aggregation of Faculdade de Ciências e Tecnologia da Universidade NOVA de Lisboa;
Doctor João Pedro Costa da Luz Baptista Gouveia, Principal Researcher of Faculdade de Ciências e Tecnologia da Universidade NOVA de Lisboa;

XV - Data Protection

In accordance with the RGPD - General Data Protection Regulation, the data collected will be processed exclusively for the processing of the application. And for the record this Notice is published.

The Director, Prof. Doutor José Alferes