

Notice N.º 17/2021

Call for Doctoral Scholarship

The **Instituto de Ciências Sociais of the University of Lisbon (ICS-ULisboa)** opens a call for applications for grant of one (1) Doctoral Scholarship, within the framework of the Research project “CitySelfy - Assessing the self-sufficiency of natural resources at local scale as a driver for sustainability transition: the case of water-energy-food nexus” (reference PTDC/CTA-AMB/6629/2020) funded by national funds through Fundação para a Ciência e Tecnologia, I.P./OE.

The PhD will be conducted under the supervision of Professor Dra. Júlia Seixas School of Science and Technology (FCT NOVA) and co-supervisor Dra. Mónica Truninger (ICS-ULisboa).

1. Scientific area: Environmental engineer or environmental sciences, Social sciences, physics, or similar.

2. Admission requirements:

The call is open to:

- National citizens or citizens of other Member States of the European Union;
- Citizens of third countries with which Portugal has signed a reciprocity agreement, or who hold, until the date of commencement of the grant, a valid residence permit or are beneficiaries of long-term resident status under the terms provided for in Law no. 123/2007, of July 4th, last amended and republished by Law No. 102/2017, of August 28th.
- Stateless persons;
- Citizens who are beneficiaries of political refugee status;

2.1. Candidates must have as mandatory requirements:

- a) Enrollment in a PhD in the areas of Physics, Environmental Sciences or Engineering, Social Sciences or related fields;
- b) Degree and/or Master in the areas of Physics, Environmental Science or Engineering, Social Sciences or related fields;
- c) Not having benefited from a doctoral or doctoral fellowship in companies directly financed by the FCT, regardless of its duration.

2.2. Candidates preferential requirements (not exclusive):

- a) Experience in integrated modeling of water-energy-food systems;

- b) Experience in processing and analyzing quantitative data (e.g. SPSS or other statistical program);
- c) Experience or interest in the design and assessment of prospective scenarios for water-energy-food systems within the framework of climate change and carbon neutrality goals;
- d) Experience or interest in preparing and running workshops with local stakeholders;
- e) Experience or interest in writing publications (e.g. reports, scientific articles);
- f) Experience in disseminating research results to academic and non-academic audiences;
- g) Domains in Portuguese and English.

3. Work plan:

The successful candidate will participate in the activities of the research project CitySelfy - Assessing the self-sufficiency of natural resources at local scale as a driver for sustainability transition: the case of water-energy-food nexus” (reference PTDC/CTA-AMB/6629/2020).

The project CitySelfy will focus on WEF resources use within the city boundaries, explicit its interlinkages, to show how and at what extent healthy food, safely managed water and affordable, reliable and modern energy services can be provided endogenously to its inhabitants, without hamper the city sustainability in the future. Self-sufficiency will be used to push the research to the frontier of natural resource use management, for example by changing the paradigm from centralized and rural productive models to city-families based ones, and by adopting innovative consumer profiles. CitySelfy will advance over the question: at what extent WEF self-sufficiency may act as a driver to achieve the city sustainability? Our hypothesis states self-sufficiency has positive impacts on sustainability triggers, even under climate change scenarios, as climate mitigation and resilience, employment and families’ welfare, among others, within the city boundaries, at least at certain extent.

The main task to be developed are:

- a) Map the water-energy-food system of the municipality of Cascais, based on the information available;
- b) Participate in the implementation of a survey of the population of Cascais with a view to identifying different resource consumption profiles (for example, acceptance levels of more plant-based diets), defining upper limits on the acceptance of new technologies (for example, food from hydroponic production systems);
- c) Validate and analyze the survey results, in order to draw assumptions for the integrated modeling of water-energy-food systems;
- d) Participate in the preparation and execution of two workshops with local stakeholders;
- e) Participate in the development and expansion of the integrated modeling tool for energy-water-food systems, with emphasis on the integration of the component relating

to human behavior and social preferences, and its relationship with the technological options inherent in those systems;

- f) Design and evaluate prospective scenarios for Cascais, with a view to analyzing the impact of self-sufficiency on the city's sustainability, in climate change scenarios and carbon neutral goals;
- g) Participate in the writing of scientific articles;
- h) Promote the dissemination of the project in various digital media and other actions to be decided.

4. Applicable law and regulation:

4.1. Scientific Research Fellow regulation, approved by Law n.º 40/2004, of 18 August, altered by the law n.º 202/2012, on 27 of August, pelo Decreto-Lei n.º 233/2012, on 29 of october outubro, pela Lei n.º 12/2013, de 29 de janeiro, pelo Decreto-Lei n.º 89/2013, on 9 of July, and by the Law n.º 123/2019, on 28 of August (“Estatuto do Bolseiro de Investigação”);

4.2. Research Grants Regulation from the Fundação para a Ciência e a Tecnologia, I.P. (FCT, I.P.), Regulamento n.º 950/2019, *Diário da República*, 2.ª série, n.º 241, of 16 of December and the Research Grants Regulation of the Lisbon univeristy, aproved by the Despacho n.º 6238/2020 publish in *Diário da República*, 2.ª série, n.º 113, on 12 of june..

5. Workplace: Instituto de Ciências Sociais of the University of Lisbon (ICS-ULisboa)

6. Scientific supervision:

The PhD will be conducted under the supervision of Professor Dra. Júlia Seixas School from the Science and Technology of the. NOVA University of Lisbon (FCT NOVA) and co-supervisor Dra. Mónica Truninger (ICS-ULisboa).

7. Duration of the scholarship: the schorlarship will have a duration of 12 months and extended up to 18 months.

8. Benefits:

8.1. he value of the scholarship will be € 1 104,64 (one thousand one hundred and four euros and sixty four cents), paid monthly by bank transfer.

8.2. The grantee may exercise his/her right to social security, by joining the voluntary social insurance scheme, under the terms provided for in the Research Fellowship regulation by the ICS-ULisboa.

9. Selection methods and their valuation:

The selection methods to be used and the respective weights will be as follows:

- a. Evaluation of the CV, namely in the component of scientific experience already demonstrated, with valuation on a scale of 1-10; 40% weighting;
- b. Motivation Letter, mentioned in point 13.2, paragraph c), with a rating on a scale of 1-10; weighting 10%;
- c. Letters of recommendation, rated on a scale of 1-10; weighting 10%;
- d. Selection interview for the assessment of professional and behavioral skills (in English and/or Portuguese), with valuation on a scale of 1-10; 40% weighting.

10. Jury Composition of the call:

President: Dra Maria Júlia Fonseca de Seixas

Effective Member: Mónica Truninger de Albuquerque de Medeiros Sousa

Effective Member: Dr. Patrícia Fortes

Substitute Member: Dra. Luísa Schmidt

Substitute Member: Dr. João Graça

11 – Form of publicity/notification of results: All applicants will be notified of the final evaluation result, sent to the email address used to send the respective application, and/or by mail to the address stated in the Form of Personal Data in Annex, through an ordered list, in descending order of the final evaluation obtained. Candidates may exercise the right to a prior hearing, in writing, within ten working days of notification. For this purpose, applicants may request that the minutes be sent by email or consult in person the documents of the procedure at the Institute, during office hours.

12. Application Deadline: The call is open from 24/06/2021 to 15/07/2021.

13. Formalização e instrução das candidaturas:

13.1. Applications must be sent by email to recrutamentos@ics.ulisboa.pt, obligatorily indicating the reference “Research Scholarship call No. 17/2021”), otherwise it will not be considered in the call.

13.2. Documentation to be submitted

Applications must be accompanied, under penalty of exclusion, with the following documents. No document, which must be submitted at the time of application, may be presented after the deadline for submission:

- a) Personal data form and Declaration of Consent for Communication of Results via e-mail (see attached form);
- b) Curriculum vitae of the candidate (with a maximum of 10 pages), with reference to CiênciaVitae (<https://cienciavitae.pt/>) and ORCID (<https://orcid.org>) of the candidate;
- c) Motivation Letter (maximum 600 words) justifying the interest in the research project theme and the skills with which you think you can contribute to the project;
- d) 2 (two) letters of recommendation;
- e) Proof of enrollment in a PhD program in the areas of Physics, Environmental Sciences or Engineering, Social Sciences or similar areas;

- f) Document(s) proving that the candidate meets the conditions required for the type of scholarship, namely certificate(s) of qualification(s) of the required academic degree(s) (s), with final average, or proof that you have already applied for the respective certificate(s);
- g) If any of the academic degrees required in this Notice as a requirement for admission has been obtained abroad, you will have to submit one of the following documents:
- Document proving the granting, by a Portuguese Institution, of recognition or equivalence or registration of the academic degree; or
 - Document proving that you have already made the application for recognition to the degree, which application must be submitted by the deadline for receiving applications, inclusive;
- h) The presentation of proof of obtaining recognition or equivalence or registration of the academic degree is a mandatory condition for signing the contract;
- i) For academic degrees obtained in foreign countries, which have not yet obtained either recognition or equivalence or registration of the degree, it is necessary to recognize the degree, in accordance with Decree-Law No. 66/2018, of August 16, in conjunction with Portaria No. 33/2019, of January 25th.
- j) It is also required that the application and all documents associated with it, including the motivation and recommendation letters, be written in English.

14 – Informations on ICS ULisboa and correspondent activities are available at: www.ics.ulisboa.pt

Lisbon, 23 of june 2021

The director

Prof^a. Dra Karin Wall

ATTACHMENT
PERSONAL DATA AND DECLARATION OF CONSENT FOR COMMUNICATION OF
RESULTS VIA E-MAIL

Full Name: _____
Citizen Card / Identity Card / Passport n.º: _____ Valid to: ___/___/___
Nationality: _____
Full address: _____

Postal Code: _____ - _____

I further declare that, if the selection panel chooses to communicate and/or notify candidates by email, I consent that said communications and/or notifications, within the scope of this competition, be made to the email address used to send my application.

at _____ of _____ of 2021

(Candidate signature)