

**PUBLIC NOTICE OF OPENING OF THE INTERNATIONAL SELECTION COMPETITION PROCEDURE FOR THE
HIRING OF DOCTORATE HOLDER UNDER OF DECREE-LAW N.O 57/2016, OF AUGUST 29TH, AS
AMENDED BY LAW 57/2017 OF JULY 19TH AND SUPPLEMENTARY LEGISLATION**

Notice nr. L03.C04-A3/ C5LAB - Sustainable Construction Materials Association

The Administration Board of the Association Collaborative Laboratory C⁵LAB - Sustainable Construction Materials Association, decided to open an international selection competition for **TWO (2) doctorate positions for the exercise of activities of scientific research** in the scientific area of **Materials Engineering, Civil Engineering, Chemistry Engineering, Environmental Engineering or related scientific areas** under the applications nr.s LISBOA-05-3559-FSE-000008 and CENTRO-04-3559-FSE-000096, integrated in the notices for selection competition LISBOA-59-2018-39 and CENTRO-59-2018-23, which aims to support the hiring of highly qualified human resources, co-financed by Lisbon Regional Operational Program 2020 and Center Regional Operational Program 2020, thematic area of Competitiveness and Employment, through the European Social Fund (ESF).

I –Applicable legislation

1. The competition shall be governed by the provisions set out in Decree-Law No. 57/2016, of August 29th, which approves a system for hiring PhD graduates aimed at stimulating scientific and technological employment in all areas of knowledge (RJEC), with the amendments introduced by Law No. 57 / 2017, dated July 19th, also taking into account the provisions of Regulatory Decree No. 11-A / 2017, of December 29th, as under the “Código do Trabalho” (Labor Code), approved by Law No. 7/2009, of February 12th, in its current wording.
2. The opening of this competition is under the article 19.º of RJEC and respecting the Acceptance Document, that lays down the rules governing the attribution of funds, between Operational Program for the Lisbon Region 2020 Directive Commission and C5LAB.

II – Place of work

The place of work is located at C⁵LAB head office, Edifício Central Park 3 Nr. 6- 4C, in Linda-a-Velha or in any facilities of its associates communicated in advance by C⁵LAB.

III – Specific aspects of the contract to be concluded

1. Under the terms of article 6 of Decree-Law nr. 57/2016, the contract shall be an employment contract for an uncertain term as defined by the Labor Code.

2. in its current wording, being the basis of contracting the execution of a service determined, precisely defined and non-durable, the term of the working contract will have the maximum duration of the project that supports it, which is expected to be 36 months. The minimum duration of the contract will not be less than 24 months.
3. The contract will be concluded for the initial level or category of scientific research career that best suit the selected candidate.
4. This tender is exclusively intended to fill the vacancy indicated and may be terminated until the homologation of the final ranking list of candidates and expiring with the respective occupation of the working position on offer.
5. The contract will be signed on an exclusive basis.
6. The contract to be concluded shall define the system of joint ownership regime for intellectual property rights that may result in the field of research.
7. Termination of the financing, termination of the project or completion of the tasks that are the subject of this competition shall determine the expiration of the contract that will operate with the communication referred to in article 345 (1) of the Labor Code.
8. The Contract shall be concluded by the President of the Executive Board of C⁵LAB together with a Vice-President.

IV - Remuneration

This tender is open for the **remuneration level** 54 of the single remuneration table (TRU), which corresponds to a monthly remuneration of 3.209,67 Euros.

V – Description of the tasks to be performed

Coordination and developments of the project tasks, namely:

- Identification of sampling locations of materials with potential pozzolanic characteristics (e.g. fly ash from landfill and natural clays);
- Materials sampling;
- Materials characterization;
- Samples preparation and characterization for testing;
- Testing in pastes and mortars;
- Testing in concretes;
- Analysis and reporting of results;
- Support on standards elaboration.

VI – Requirements for admission to the competition

The competition is open for national candidates, foreigners and stateless persons who hold a doctoral degree, as well as those to whom has been granted equivalence or recognition to the degree of “Doutor” under the Decree-Law nr. 66/2018, of August 16th, , therefore any formalities established therein must be completed by the date of the hiring in a field of knowledge or specialty that covers the scientific areas of **Materials Engineering, Civil Engineering, Chemistry Engineering, Environmental Engineering or related scientific areas** and are still in possession of a scientific and professional curriculum that reveals an adequate profile for the activity to be developed.

VII - Formalization of applications

1. Applications are formalized by means of an application form addressed to the Executive Board of the Association Collaborative Laboratory C⁵LAB, requesting acceptance of the application and stating the identification of this notice, full name, affiliation, number and date of identity card, Citizen Card, or VAT number, date and place of birth, marital status, profession, residence and contact address, including e-mail address and telephone contact.
2. In the application form, the candidate must express his / her consent so that communications and notifications under this tender procedure can take place by email, to the email address indicated in the application.
3. The application shall be accompanied by **documents proving the conditions** laid down in point VII for admission to this invitation to tender, in particular:
 - a) Copy of certificate or diploma, or the request for recognition of the “Doutor” degree under the terms defined by Decree-Law No. 66/2018, of 16 August
 - b) “Tese de doutoramento” PhD Thesis or equivalent document (s) that determined the award of this academic degree.
 - c) Detailed curriculum vitae, structured in accordance with the items in points IX.2 and IX.4, indicating the works, and adding a copy of them, that the candidate considers most relevant to each of the items in points IX.2 and IX.4;
 - d) Other documents that the candidate justifies to be relevant to the analysis of his / her application.
 - e) declaration of consent for the personal data processing.
4. Applicants must submit the documents referred in the preceding item in PDF format.

5. The application and documents may be submitted in Portuguese or English, although the President of the Jury, and when a member of the Jury is a non-native Portuguese speaker, may request that, within a reasonable time, the candidate translates into English a document previously presented in Portuguese.
6. The application, comprising the application form and other accompanying documents, must be submitted electronically to the address contact@c5lab.pt up to the last day of the tender opening period, which is fixed at 10 working days after publication of this Notice.
7. Candidates who do not formalize correctly the application using the application form or who do not deliver all the documents referred to in point 3 or who present them unreadable, incorrectly completed, or invalid are eliminated.
8. The Jury shall have the right to require any candidate, in case of doubt and for the purpose of his/her admission to the competition procedure, to provide supporting documents for his/her declarations.
9. The jury is also entitled to require any candidate, in case of doubt and for the purposes of admission to competition, to present documentary evidence of the declarations in the submitted documents.
10. The false statements made by the candidates will be punished according to the law and determine the exclusion of the application.

VIII - Approval on absolute merit

1. The Jury will deliberate on its approval or rejection on absolute merit, by a justified vote where no abstentions are admitted.
2. Candidates who have a scientific and curricular path relevant to the scientific area(s) of the competition and taking into account their suitability for the additional weighting criteria identified in IX.4, and obtains a favorable vote of more than half of the members of the jury, will be approved on absolute merit.

IX - Selection procedures

1. According to article 5 of RJEC, the selection is made through the evaluation of the scientific and curricular path of the candidates
2. The evaluation of the scientific and curricular path focuses on relevance, quality and timeliness:
 - a) of the scientific, technological, academic, cultural or artistic production during the last five years and considered more relevant by the candidate;

b) of the applied or practice-based research activities developed over the last five years and considered as having the greatest impact by the candidate;

c) of the activities of extension and dissemination of knowledge developed during the last five years, in particular in the context of promoting the culture and scientific practices considered by the candidate to be of greater relevance;

d) of the activities of science, technology and innovation programs management or of the experience in observing and monitoring the scientific and technological system or higher education, in Portugal or abroad.

3. The period of five years referred to in the preceding paragraph may be increased by the jury, at the request of the candidate, when justified on grounds of suspension of scientific activity for socially protected reasons, namely for reasons of parental leave, prolonged serious illness, and other situations of unavailability for work legally protected.

4. The assessment criteria are set out in this entry, with the option mentioned in next point 5, with particular emphasis on the curriculum vitae and the contributions considered to be of higher relevance by the candidate in the last 5 years:

a) Quality of the scientific and technological production, considered more relevant by the candidate, and relevant to the project to be developed, which was given a weighting factor of 30 % considering:

i) Scientific publications: a parameter which takes into account books, chapters of books, articles in scientific journals and international conference proceedings of which the applicant was the author or co-author, considering:

- its nature and integration in the areas of materials with potential pozzolanic properties and materials of cementitious matrix;
- its impact;
- the scientific / technological level and innovation;
- diversity and multidisciplinary;
- international collaboration;
- the importance of contributions to the advancement of the current state of knowledge;
- the importance of the works that have been selected by the candidate as most representative, in particular as regards their contribution to the development and evolution of the scientific area for which the competition is open.

ii) Creation and reinforcement of laboratory facilities: parameter that takes into account the participation and coordination of activities by / candidate / a that resulted in the creation or reinforcement of laboratory infrastructure of experimental and / or computational research support.

iii) Recognition by the international scientific community: a parameter that takes into account:

- prizes from scientific societies;
- editorial activities in scientific journals;
- participation in editorial bodies of scientific journals;
- coordination and participation in program committees of scientific events;
- invited lectures in scientific meetings or in other institutions;
- participation as a member of competitive admission scientific societies and other similar distinctions.

iv) Author and co-author of patents, models and industrial designs, taking into account their nature, territorial scope, technological level and the results obtained.

b) Activities of applied or practice-based research, considered to be of greatest impact by the candidate, and relevant to the project to be developed, which was given a weighting factor of 25% considering:

i) Vocational training actions: a parameter which takes into account the participation and coordination of technological training actions aimed at enterprises and the public sector, taking into account their nature, technological intensity and results achieved.

ii) Provision of services and consultancy integrated in the institutional mission: parameter that takes into account participation in activities that involve the business environment and the public sector, taking into account the type of participation, dimension, diversity, technological intensity and innovation.

iii) Design, project and production of scientific outputs: a parameter which takes into account the value of the Institutions of National Scientific System activities.

c) Activities of extension and dissemination of knowledge, particularly in the context of the promotion of culture and scientific practices, considered of greater relevance by the candidate, and relevant to the project to be developed, which was given a weighting factor of 10% considering:

i) Industrial and Intellectual Property rights;

ii) Legislation and technical standards: parameter that takes into account the participation in the elaboration of legislative projects and standards taking into account their nature, territorial scope and technological level.

iii) Publications of scientific and technological outreach: parameter that takes into account the articles in magazines and national conferences and other publications of scientific and technological diffusion, taking into account their professional and social impact.

iv) Services to the scientific community and to society: a parameter that takes into account the participation and coordination of scientific and technological dissemination initiatives and taking into account the nature and results achieved by them when carried out towards:

- the scientific community, including the organization of conferences and conferences;
- the media;
- companies and the public sector.

d) Contribution to activities related to the management of science, technology and innovation programs, or experience in the observation and monitoring of the scientific and technological system or higher education, in Portugal or abroad, and relevant to the project to be developed, with a weighting factor of 20% considering:

i) Coordination and participation in scientific projects: a parameter that takes into account the participation and coordination of scientific projects by the candidate, subject to competitive bidding, considering:

- the territorial scope and its size;
- the technological level and the importance of the contributions;
- innovation and diversity.

ii) Scientific activity promotion: parameter that takes into account the ability to coordinate and lead research teams demonstrated by the candidate.

iii) Accompaniment and orientation of students, trainees and research fellows: a parameter that takes into account the orientation of doctoral students, master's and undergraduate students, trainees and research fellows taking into account the number, quality, scope and scientific / technological impact of the resulting publications, theses, dissertations and final course papers, distinguishing especially the awarded works and the international recognition.

5. The jury will select up to 3 (three) best candidates and invite them for a interview with a weighting factor of 15%.

X - Classification of candidates

1. Each member of the jury assigned a classification to each of the candidates in each evaluation criterion including the interview, on a scale of 0 to 100 points, ranking the candidates according to their classification consisting on the sum of the partial classifications assigned in each evaluation criterion, and taking into account the weighting factor given to each parameter.
2. Candidates shall be ordered by applying the successive voting method.
3. The final classification of each candidate is the one corresponding to his or her ranking resulting from the application of the method referred to in point X. 2.
4. The final deliberation of the jury is approved by the President of the Executive Board of C⁵LAB.
5. The list of admitted and excluded candidates as well as the final ranking list are advertised on the C⁵LAB website (www.c5lab.pt), and the applicants will be notified by email with receipt of delivery of the notification.

XI - Prior Hearing

After being notified, candidates have 10 working days to submit a formal rebuttal.

XII - Jury

1. In accordance with Article 13 of the RJEC, the jury of the competition procedure is composed by:
 - Engineer Arlindo Gonçalves, Material Department Diretor of LNEC, Project Coordinator of C5Lab, who presides the jury;
 - Engineer Francisco Leitão, President of the Board of Directors of C5Lab;
 - Engineer Angela Nunes, Executive Director of SECIL
2. The Jury will deliberate on its approval or rejection on absolute merit, by a justified vote where no abstentions are admitted.
3. Within the term of 90 days, counted from the deadline for the presentation of the candidacies, the final decisions of the jury are given.

4. Minutes of the jury meetings are drawn up, which contain a summary of what has taken place in them, as well as the votes cast by each of the members and their reasons, being available to the candidates whenever requested.

XIII - Non-discrimination and equal access policy

C⁵LAB actively promotes a policy of non-discrimination and equal access, so that no candidate can be privileged, benefited, disadvantaged or deprived of any right or exemption from any duty owing, in particular, to ancestry, age, sex, sexual orientation, marital status, family status, economic situation, education, social origin or condition, genetic heritage, reduced working capacity, disability , chronic illness, nationality, ethnic origin or race, territory of origin, language, religion, political or ideological beliefs and trade union membership.