



**Call for one POSTDOCTORAL RESEARCH FELLOWSHIP under the project “SABIOS - Sustainability assessment of bioenergy systems: a life cycle multi-criteria decision-support approach, including land use change”, Ref.ª: PTDC/AAG-MAA/6234/2014 (POCI-01-0145-FEDER-016765)**

The Association for the Development of Industrial Aerodynamics (ADAI-LAETA) announces the open call for one (1) Postdoctoral Research Fellowship (BPD) within the framework of the project: “SABIOS - Sustainability assessment of bioenergy systems: a life cycle multi-criteria decision-support approach, including land use change”, reference PTDC/AAG-MAA/6234/2014 (POCI-01-0145-FEDER-016765), funded under national funds by FCT/MCTES (PIDDAC) and co-funded by FEDER funds through COMPETE 2020 - Operational Programme for Competitiveness and Internationalisation and PT2020, under the following conditions:

**Scientific area:** Engineering

**Admission requirements:** Ph.D. degree with experience in Life Cycle Assessment (LCA) and/or related approaches (e.g., Social-LCA, Economic-LCA, Life-Cycle Sustainability Assessment), demonstrated by (co-)authorship of scientific articles published in ISI (Institute for Scientific Information) indexed journals. Experience in the development of life cycle impact assessment methods is an advantage.

**Working plan:**

1. Collaborate in the methodological development of Life Cycle Sustainability Assessment (LCSA);
2. Perform LCA or related studies (e.g. LCSA) of bioenergy systems;
3. Collaborate in the publication of reports and articles as well as in the various administrative tasks of the project.

**Legislation framework:** A fellowship contract will be celebrated according to FCT, I.P. “Regulations for Advanced Training and Qualification of Human Resources” in force (<http://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT.pdf>), the Portuguese Law 40/2004, of 18 August (Scientific Research Fellow Statute), as amended and republished by Decree-Law No. 202/2012 of 27 August, and as amended by Decree-Law No. 233/2012 of 29 October and by Law No. 12/2013, of January 29, and Decree-Law No. 89/2013 of 9 July.

**Working place:** The work will be carried out in the scope of ADAI-LAETA activities at ADAI’s laboratory, Coimbra, and the Center for Industrial Ecology, in the Department of Mechanical Engineering, Pólo II of Faculty of Sciences and Technology of the University of Coimbra, Coimbra, Portugal, or in other places required for the execution of the work plan.

**Scientific supervision:** Professor Doutor Fausto Freire.

**Grant duration and regime:** The fellowship will be granted for a period of 6 months, potentially renewed up until the end of the project (or until the end of the funding period, if earlier). The attribution of the grant is undertaken under an exclusive dedication/full time regime according to the FCT, I.P. Regulations for Advanced Training and Qualification.

**Expected starting date:** November/December 2018.

**Monthly allowance:** The monthly amount of the grant is €1495 in accordance with the values stipulated by the “Regulations for Advanced Training and Qualification of FCT (<http://alfa.fct.mctes.pt/apoios/bolsas/valores>), plus the reimbursement of Social Security (*Seguro Social Voluntário*) expenses, in case the candidate chooses to adhere to that system. The monthly amount shall be rendered payable via bank transfer.



**Evaluation criteria:** The selection method to be used will be a curricular evaluation, using a one to five (1 to 5) assessment scale, with the following weights: academic qualifications (50%) and degree of fulfillment of experience and knowledge required (50%). Candidates may be shortlisted for individual interviews (20% weighting), if necessary, to evaluate the candidates' experience and knowledge in order to carry out the tasks and the perspective of integration in the dynamics of the project's research team and the Center for the Industrial Ecology (more information about the project: <http://www2.dem.uc.pt/CenterIndustrialEcology>).

In case the candidate placed in 1<sup>st</sup> does not accept the fellowship or in case he/she withdraws from the fellowship during the respective work program, the candidate placed in 2<sup>nd</sup> may be invited to accept the fellowship. This procedure may be repeated in subsequent cases of non-acceptance or withdrawal, according to the decision of the fellow's supervisor, respecting the ordering of the list contained in the minutes of the selection process.

**Composition of the evaluation panel:** Professor Doutor Fausto Miguel Freire (President); Professor Doutor Luís Cândido Dias (vowel); Doutora Rita Pinheiro Garcia (Vowel). Alternate vowels Professor Doutor José Joaquim Costa; Professor Doutor Adélio Manuel Rodrigues Gaspar.

**Publication/notification of results:** The final evaluation results (ordered list) will be publicized in a public space of ADAI. The selected candidate will be notified by email.

**Deadlines and Submission of applications:** The call for applications will be open starting on the **9<sup>th</sup> of October 2018** and ending on the **22<sup>nd</sup> of October 2018**.

Applications must include the following documents:

- Motivation letter
- Curriculum Vitae, with indication of telephone and email contacts
- Copy of the PhD certificate, detailed academic transcripts (courses taken and respective grades) and other certificates that are deemed relevant for the application (accompanied by the respective official translation into Portuguese or English if the documents are not written in these languages).
- Copy of relevant publications.

Applicants with foreign academic degrees are required to submit the records of acknowledgment of such degrees and conversion of the respective final grades to the Portuguese grading scale (whenever a final grade was awarded to the foreign degree), issued by the Directorate General for Higher Education or by a Portuguese public higher education establishment (regime governed by Decree-Law No. 341/2007, of October 12th) or, alternatively, submit the document of acknowledgment/equivalence of the foreign qualifications to the corresponding Portuguese qualifications, issued by a Portuguese public higher education establishment (process governed by Decree-Law No. 283/83, of June 21st).

Applications shall be sent by email to **fausto.freire@dem.uc.pt** and **rita.garcia@dem.uc.pt**, or by registered postal mail, or delivered by hand (weekdays: 09:30-12h30 and 14h30-16h30) to the following address: **A/C Prof. Fausto Freire, ADAI, Rua Pedro Hispano 12, 3030 - 289 Coimbra, Portugal**

Coimbra, 21<sup>st</sup> September 2018

Principal Investigator at ADAI-LAETA

Professor Fausto Freire