

Notice of Call for Individual FCT-PhD Scholarships

Under the Regulations for Research Grants of the “Fundação para a Ciência e a Tecnologia” and the Research Grant Holder Statute (Estatuto do Bolseiro de Investigação), approved by Law nº 40/2004 of August 18th, the Coordination Committee of the International PhD “River Restoration and Management” – FLUVIO, opens a call for funding of **8 individual PhD scholarships**.

General information

The call is intended for individuals who meet the requirements set forth in Law nº 74/2006, March 24th, article nº1, modified by Decree-Law nº 107/2008, June 25th, and Decree-Law nº 230/2009, September 14th.

Scholarships granted under the present Call will be funded with allocations from the State Budget of the Ministry for Science, Technology and Higher Education and, when eligible, with allocations from the European Social Fund, to be made available under PORTUGAL2020, which covers European Union structural assistance for the period 2014-2020, namely through the Human Capital Operational Programme (PO CH) in accordance with the regulatory provisions set for that purpose.

The assigned scholarships are mixed, i.e, up to half of the scholarship period will be developed in the foreign institutions that are part of the Doctoral Program consortium: Polytechnic University of Madrid (Spain), Federal University of Bahia (Brazil), Katopodis Ecohydraulics (Canada), Boku University of Natural Resources and Life Sciences, Vienna (Austria) and Klagenfurt Environmental Consultants/Nature consult Egger (Austria), or other foreign institutions, if necessary. Each PhD student will have an international scientific council for supervision.

Each PhD scholarship is granted for periods of 1 year, renewable up to 4 years. The duration of the doctoral course is 4 years (to complete the PhD Thesis). The first year is dedicated to courses training and Seminar. The second, third and fourth years are devoted to research activities, data analyses, and thesis writing.

The scholarship is dependent on the reception of the compulsory documentation from the applicant and financial support from the funding institution.

Eligible applicants

The call is open (Article nº14, from the FCT Grant Regulation, 2015) to: Portuguese citizens or citizens from other European Union countries; citizens of countries outside the European Union having a Portuguese residence permit, or living in Portugal in the terms laid out by [Law nº 23/2007](#), July 4th, modified by [Law nº 29/2012](#), August 9th; citizens of countries with which Portugal has celebrated reciprocity agreements; and citizens of other countries provided that the candidate undergoes a panel interview.

Eligible applicants should hold a master’s degree or equivalent (pre-Bologna 5 years degree), obtained in either a Portuguese university or a foreign one, with a total of 300 ECTS, or equivalent in the case of non-European institutions (Nº 1 of Article 30º of [Decree-Law nº 74/2006](#), March 24th, modified by Decree-law nº 107/2008, June 25th and Decree-law 230/2009, September 14th).

Applicants with academic degrees obtained overseas 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).

Preference will be given to holders of a MSc. degree in Environmental Engineering, Environmental Sciences, Biology, Agriculture, Forest Engineering and Civil Engineering, and having previous knowledge in Ecology, Hydraulics and Hydrology.

Candidates must have a minimum average grade of 14 out of 20, or in the case this condition is not met, having at least one publication, as first author, in a peer-reviewed journal (uploaded pdf is mandatory). Students from other educational systems must demonstrate/certify that their average grades are within the 70th percentile of their system.

The academic degree must be concluded up to February 2nd 2018 (closing date of the call). If this condition is not fulfilled, the grant will not be awarded.

Applications

Individual applications should be submitted by sending to fluvio@isa.ulisboa.pt a pdf of the following required documents:

- Application form, download at <https://www.isa.ulisboa.pt/ensino/pd-f/fluvio/applications>
- Detailed curriculum vitae (including scientific activities, projects participation, publications, other relevant skills)
- Motivation letter
- Contact information of three researchers available to confirm the merit of the candidate
- Letters of recommendation (optional)
- Copy of identification document;
- *Course(s) Certificate(s) and* list of disciplines of the academic degree(s) with their respective marks.

Motivation letter, CV and letters of recommendation should be in English.

Candidates may indicate general subjects of their specific interest, justifying the choice based on their personal motivation and the suitability of their scientific profiles.

Application deadlines

The call is open between **15th December 2017 and 2nd February 2018**; 17:00 GMT

Examples of themes available for thesis development:

- Integrated flow management
- Ecological flows: requirements and design
- Water and ecosystem management under scarcity
- Ecohydraulics of fish passes
- Fluvial restoration planning
- Dam operation for downstream habitat management
- Historical ecology of river landscapes and channels
- Historical ecology of fish
- Management of river connectivity and barriers
- Ecological services provided by rivers and riverine areas
- Riparian vegetation dynamics and management
- Aquatic invasive species: control and management
- Water reuse and the use of non-conventional water
- Nutrient cycling of restored riverine landscapes
- Hydromorphological responses to land use and climate changes
- Functional models to quantify ecological losses and gains from disturbance and restoration
- River basin management

The list of themes is not exhaustive and the selection and development of the subjects will be done by the end of the first doctoral year.

Evaluation

The evaluation is carried out by the 6 members of the PhD Coordination Committee (CCFLUVIO), by assessing the merit of each candidate, using a scale from 0 points (minimum) to 100 points (maximum), and producing a ranked list, by theme. The evaluation will be based on the following scored criteria (weighting factors shown in brackets):

- 1) Merit of the educational background and adequacy of scientific training to the development of the proposed theme (up to 40 points);
- 2) Number of publications in peer-reviewed journals, and respective impact factor (up to 20 points);
- 3) Participation in projects and research activities, with emphasis on those related to the Doctoral Program (up to 10 points);
- 4) Publication in book chapters, reports and non-indexed journals (up to 10 points);
- 5) Participation in national and international scientific meetings, with or without oral presentations, showing

interest and involvement in the scientific domain of the Doctoral Program (up to 10 points);

6) English fluency and respective certificates (up to 10 points).

The list of ranked candidates, by theme, will be obtained by mutual agreement between all CCFLUVIO members. At this stage, candidates may be individually interviewed, whenever decided by CCFLUVIO (presence or via video conference), to finalize the ordered list, by evaluating their scientific knowledge, specific technical skills, motivation and English communication skills.

Notification of candidates

The results of the selection process, with the description of the applied evaluation criteria for each applicant, will be communicated, via email to all candidates. The list of approved applicants also will be available at:

<http://www.isa.utl.pt/ensino/pd-f/fluvio>

<http://rrm.tecnico.ulisboa.pt/>

In the case of an unfavorable award decision (i.e. for applicants not selected to receive scholarships), the applicant has a period of 10 working days after disclosure, to appeal to CCFLUVIO, by request of a preliminary hearing, pursuant to the Portuguese “Código do Procedimento Administrativo”. From the final decision the applicant has a period of 15 working days after notification, to appeal to “Fundação para a Ciência e a Tecnologia”.

Lisboa, em 11 Dezembro de 2017

The Programme Director

Professora Doutora Maria Teresa Ferreira

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