

## CALL FOR AWARDING RESEARCH FELLOWSHIPS WITHIN PROJECT GRANTS AND R&D INSTITUTIONS

### One Research Doctoral Fellowship

A call for one Research Doctoral Fellowship is open at the **FCiências.ID – Associação para a Investigação e o Desenvolvimento de Ciências**, for the project **IMDROFLOOD: Improving Drought and Flood Early Warning, Forecasting and Mitigation using real-time hydroclimatic indicators** - JPND- WaterJPI/0004/2014, financed with national funds by FCT/MCTES (PIDDAC) in the framework of the Joint Programming Initiative Water challenges for a changing world (Water JPI), under the following conditions:

1. **Scientific Area:** Earth and Atmospheric Sciences.
2. **Requirements for admission:** Candidates must hold a suitable **Ph.D.** It is considered essential good programming skills in languages such as **MATLAB (or IDL or Python) and/or Fortran**. Candidates should also be proficient in **English**.
3. **Factors preferred:** Ph.D. in Atmospheric Sciences, with solid knowledge in Climate Dynamics and impacts of large scale circulation in climate at the regional scale. Preference will be given to candidates that demonstrate a background handling extreme precipitation events). It is an advantage a good level of familiarization handling large datasets such as Reanalysis datasets (e.g. ERA-Interim, NCEP/NCAR), as well as, probabilistic short and medium-term operative meteorological predictions. The jury may decide to exclude candidates without any expertise in at least one of these areas.
4. **Work plan:** The main purpose of this fellowship is to assist the team achieving the deliverables defined in the IMDROFLOOD project. The candidate will work extensively with probabilistic meteorological forecasts from the ECMWF in order to develop and validate probabilistic short and medium-term operative meteorological forecast, focused on intense Cyclone events and Atmospheric Rivers affecting Europe often associated with the most extreme precipitation events. Finally the candidate will interact with stakeholders and end-users for building impact prediction tools for decision making.
5. **Legislation framework:** Statute of the Scientific Research Fellowship, in accordance with Law 40/2004, of 18 August, 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; And also by the FCT, I.P. Fellowships Regulation, in force (<http://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2015.pdf>) and **FCiências.ID** Fellowship Regulation, as approved on 23<sup>rd</sup> February 2017.
6. **Place of work:** The work plan will be conducted at the Instituto Dom Luiz, Faculty of Sciences, University of Lisbon, under the scientific supervision of Dr. Ricardo M. Trigo.
7. **Fellowship duration:** This position is initially opened for 6 months beginning on October 2017. The fellowship contract may be renewed to more 12 months, in accordance with the provisions of Regulation of Research Fellowships from the Foundation for Science and Technology, I.P.
8. **Monthly allowance:** The fellowship amounts to € 1.495,00, according to table values of the fellowships awarded directly by the FCT, IP. (<http://www.fct.pt/apoios/bolsas/valores>).  
The fellowship holder will have a personal accident insurance and, if not covered by any social protection scheme can ensure the right to social security through adherence to the voluntary social insurance scheme, pursuant to Código dos Regimes Contributivos do Sistema Previdencial de Segurança Social.  
The fellowship will be paid monthly by bank transfer.

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9. **Selection method:** Candidate's curriculum vitae with emphasis on i) prior experience with similar datasets and methods, ii) number of publications in scientific journals relevant to the work plan and iii) motivation letter. Good programming skills constitute an asset as well as the number and quality of peer reviewed publications. The weights are respectively 5, 3 and 2 to apply to marks from 0 to 20. If necessary a telephone/video interview may be required.
10. **Selection Committee:** Doctor Ricardo M. Trigo (Chairman of the Jury), Doctor Celia Gouveia and Doctor Alexandre M. Ramos (Member of the Jury), Doctor Ana Russo and Doctor Carlos da Camara (Alternative members of the Jury).
11. **Publication/notification of results:** The final evaluation results will be notified by email, through the ordered list according to the final grade obtained.
12. **Deadlines:** Applications should be submitted between 28-08-2017 and 15-09-2017.
13. **Application:** Applications should be preferentially sent via e-mail to [rmtrigo@fc.ul.pt](mailto:rmtrigo@fc.ul.pt). All applications must include i) certificates of academic degree, ii) Motivation letter, iii) Curriculum vitae including the following elements: Contacts; Prior research and work experience; Academic education including a list of subjects concluded and respective classification; List of publications