

NOTICE OF OPENING

RESEARCH FELLOWSHIP RESEARCH GRANT

Under the regime of Regulations for Research Fellowships article 8th of Regulation for Scientific Research Fellowships of FCT, I.P and in the light of the decision of the Board of Directors of the Portuguese Institute for Sea and Atmosphere (*Instituto Português do Mar e da Atmosfera, IP*), hereinafter IPMA, IP, as approved in the meeting of 09 of March 2020, notice is hereby given of the opening of research fellowship, in the field of Geophysics and Environmental Sciences, in the frame of MIDAS, all the expenses being covered by funded by EUMETSAT under the contract EUM /CO / 9/4600002345 / EO.

1. Application requirements:

The candidates for the position should have one of the following academic requirements:

Be a PhD student in Mathematics, Physics, Meteorology, Oceanography, Environmental Sciences, Mechanical Engineering, Computer Engineering or Aerospace Engineering or a closely related field.

OR

Have a degree in Mathematics, Physics, Meteorology, Oceanography, Environmental Sciences, Mechanical Engineering, Computer Engineering or Aerospace Engineering or a closely related field AND follow a training course.

2. The work plan will consist of the following tasks:

The work plan includes the following Research activities:

- a) Processing of observation data for verification of the HARMONIE-AROME numerical mesoscale model (IPMA's configuration).
- b) Collaboration in the implementation of the HARMONIE-AROME mesoscale numerical model 4DVAR/3DVAR (IPMA's configuration).
- c) Collaboration in the preparation of Technical Reports and scientific articles.

3. Duration and Renovation conditions

The fellowship, due to start in 01 July 2020, will have a duration of 12 months, with the possibility of renovation under the terms of the article 15th of Regulation for Scientific Research Fellowships of FCT, I.P. The work to be developed under the present fellowship are of a temporary nature, not having continuity beyond the conclusion of the project.

4. Supervision and workplace

The work to be developed will take place within the framework of the organic unit Division DivMV/DMG , at IPMA, IP head office, at Rua C do Aeroporto, 1749-077, Lisboa, under the scientific

supervision of the Project Manager Isabel Monteiro. The location of the activities can be changed according to the work plan.

5. Value of monthly maintenance allowance

The amount for the fellowship corresponds to € 1064.00, according to the table of scholarship values, approved by FCT, I.P. (<https://www.fct.pt/apoios/bolsas/valores>). Voluntary Social Security (SSV) is also due: € 129.89 and Personal Accident Insurance of € 40. The monthly remuneration will be paid by bank transfer by IPMA, IP services.

6. The members of the jury are as follows:

The jury, appointed by order of the President of IPMA, I.P., is composed by the following members:

President: Dr Isabel Monteiro, Técnica Superior-IPMA;

Vogal : Dr Gert-Jan Marseille, Senior Scientist-KNMI;

Vogal : Vanda Costa, Técnica Superior-IPMA;

1st substitute member: Carla Barroso, Técnica Superior-IPMA;

2nd substitute member: Dr Jan Barkmeijer, Group Leader and Senior Scientist -KNMI

7: Selection and methods criteria

7.1 Admission requirements: all candidates fulfilling the points 1 and 10 in this notice will be admitted.

7.2 Evaluation method: the candidates will be evaluated by Curricular Assessment and Interview).

7.3 The curriculum assessment (**CA**) is expressed quantitatively from 0 to 20, corresponding to the sum of the obtained in the following criteria:

CA= 0.3 *A+ 0.7 *B where:

A - evaluates the academic merit of the candidate, considering the classifications obtained in its academic background, following the admission requirements.

B - evaluates previous experience to perform the required functions, according to:

a) Programming experience and "scripting" such as Fortran90, C ++ and / or bash or python in LINUX / UNIX environment. (15 values)

b) Participation in Research projects in related areas. (5 points)

7.4 The interview, may be done in person or online, and will be scored adding the obtained values in the following criteria:

a) Interest, motivation and posture [max 7 points];

b) Sense of organization [max 3 points];

c) Adaptability [max 7 points];

d) Expression and verbal fluency [max 3points].

7.5 The final classification of each candidate will be decided by simple majority of the jury members.

7.6 Ordered List of the Final Classification: all the candidates eligible to the call will be ranked by the classification given by the jury. If an interview is conducted the final classification is obtained by the weighted sum of the Curricular Assessment, weighting **40%**, and of the interview, weighting **60%**.

7.7 The jury members will conduct the necessary meetings to reach the final decision, documenting in minutes all the procedures used, as well as all the elements considered relevant for the final decision.

8. Communication of results

Upon approval of the ranked list by the Director Council of IPMA, I.P., the evaluation process is considered closed, and the candidates will be notified within 5 working days, and hearing process will be conducted, under the terms of the 12th of Regulation for Scientific Research Fellowships of FCT, I.P.

9. Research Fellowship Contest approval

Upon conclusion of the hearing process and its appreciation by the jury members, the final decision will be proposed for for approval by the IPMA's Board Directory.

10. Submission of applications:

Applications to the research fellowship must be formalized by sending, to the email candidaturas.bolsas@ipma.pt, the application form available at <http://www.ipma.pt/export/sites/ipma/bin/docs/organizacionais/IPMA-FORMULARIO-CANDIDATURA-CC-v1.0.pdf>, along with the following documents:

- a) Copy of the identification document;
- b) Certificate of permanent residence, authorization for permanent residence or long-term residence status, if applicable;
- c) Documents proving the conditions required by the type of fellowship;
- d) *Curriculum vitae* of the candidate;
- e) Copy of the documents attesting the professional experience and training, namely recommendation letters, course or internship certificates;
- f) Recent document attesting the current professional status, indicating the nature of the link and functions, and may be replaced by a declaration of honor if the candidate does not carry out any professional or service activity.

In case of not being possible to obtain the certificates mention in c) until the due date of the application, the candidate may replace them by declarations of their responsibility with the corresponding content, submitted electronically and, in case of grant of the fellowship, send the official certificates to the IPMA, IP, before the contract being handled. If the documents, referred in b), e), and f) are not delivered within 1 month after the publication of results, implies that the fellowship is not granted.

11 Legislation and regulation applicable

- Statute of the Scholarships for Scientific Research, approved by Law No. 40/2004 of 18 August, as amended by Law No. 202/2012 of 27 August, Law No. 12/2013 of 29 January, Decree-Law No. 89/2013, of 9 July, Decree-Law No. 233/2013 of 29 October and Decree-Law No 123/2019 of 28 August;
- Grants Regulation of the FCT, I. P., approved by Regulation No 950/2019 of 29 November, published on 16 December;
- Administrative Procedure Code, approved by Decree-Law No. 4/2015, 7 January.

The Jury's President,



(Isabel Monteiro).