

SEA

Portuguese Institute of the Sea and Atmosphere, I. P.

INTERNATIONAL PROCEDURE REGARDING THE SELECTION OF 3 DOCTORATES - UNDER DECREE-LAW N.º 57/2016, OF AUGUST 29 - FOR THE NATIONAL PROGRAM OF BIOLOGICAL SAMPLING (PNAB)

Notice No.

1. Under the terms of Decree-Law No. 57/2016, of 29 August, in its current wording, it is made public that, by deliberation of the Board of Directors of IPMA, IP, dated February, 14th of 2022, it was authorized, the opening of an international procedure - applications must be submitted within the deadline of 10 (ten) working days - for three doctoral researcher positions, with a fixed-term employment contract in public functions, for a period of three years, for the National Program of Biological Sampling (PNAB).

2. The functions inherent to the job's offers are as follows:

a) Reference A - Database programming:

- Development of the PNAB database to incorporate data collected during research surveys;
- PNAB database front end creation as user interface, promoting the quality and reliability of the stored data;
- Migration of historical sampling data to the current PNAB database;
- Update and management of quality control procedures of the PNAB database;
- Update and coordinate routines for exporting data collected within the scope of the PNAB for periodic submission to Regional Fisheries Management Organizations competent authorities and the international scientific bodies of the European Union and its Member States;
- Development of methodologies for data analysis and stock assessment of the exploitation status of the main fishery resources, within working groups of intergovernmental marine science organizations and relevant Regional Fisheries Management Organizations, and in meetings with stakeholders, to provide scientific advice to support decision-making.

b) Reference B - Mathematical and statistical modeling:

- Modeling population dynamics of fishery resources and fisheries, applying single and multispecies models;
- Selection and testing of methodologies of data analysis and stock assessment models applied to fishing resources exploited by the national fleet, within the scope of working groups of intergovernmental scientific organizations, Regional Fisheries Management Organizations, meetings with stakeholders and to provide scientific advice to support decision-making;
- Selection and testing of methodologies for estimating biological reference points;
- Development of management plans and evaluation of different harvest strategies, through simulation;
- Participation in meetings of international working groups for the assessment of fisheries resources of interest to the PNAB and of methods and statistical analysis, within the scope of Regional Fisheries Management Organizations and international scientific bodies of the European Union and its Member States;
- Preparation and submission of scientific papers.

c) Reference C - Sampling Design and Fisheries Biology:

- Optimization and update of data collection sampling plans, for fisheries dependent and independent data, ongoing in IPMA, preferably using R language;
- Development of sampling programs for specific purposes focusing the assessment of the exploitation status of living marine resources or biological communities;
- Application of methodologies to assess the exploitation status of resources exploited by the Portuguese fleet and to determine biological reference points;
- Design of studies within the scope of fisheries biology oriented towards the assessment of the exploitation status of resources exploited by the Portuguese fleet;
- Participation in meetings of international working groups on biology and evaluation of fisheries resources of interest to the PNAB, within the scope of Regional Fisheries Management Organizations and international scientific bodies of the European Community and its Member States;
- Preparation and submission of scientific papers.

3. Applicable legislation:

- a) Decree-Law no. 57/2016, of August 29th, in its current wording;
- b) General Labor Law in Public Functions (LTFP), approved as an annex to Law No. 35/2014, of June 20th, in its current wording;
- c) Regulatory Decree No. 11-A/2017, of December 29th.

4. Under the terms of article 16 of the RJEC, the present procedure is exempt from:

- a) Authorization of the members of the Government responsible for the finance and Public Administration's areas, has referred in paragraph 3 of article 7 of the LTFP,
- b) Obtaining the prior favorable approval referred to in paragraph 5 of article 30 of the LTFP and
- c) The procedure for recruiting workers in a situation of professional development, has mentioned in article 265 of the LTFP.

5. Only national, foreign and stateless candidates who hold a Doctor's degree, can apply for the competition, under penalty of exclusion.

- a) **Reference A:** Database programming: PhD in Engineering, Informatics or similar areas;
- b) **Reference B:** Mathematical and statistical modeling: PhD in Statistics, Mathematics or related areas;
- c) **Reference C:** Sampling Design and Fisheries Biology: PhD in Natural Sciences, Marine Sciences or related areas.

6. Those who, under the terms of Decree-Law No. 66/2018 of August 16th, may also apply recognized academic degree or higher education diploma, awarded by foreign higher education institutions.

7. Remuneration is fixed in accordance with article 15 of the RJEC, in conjunction with article 2 of Regulatory Decree No. 11-A/2017, of December 29th, corresponding to remuneration level 33 of the remuneration table (TRU).

8. Workplace: IPMA - Algés, at Avenida Doutor Alfredo Magalhães Ramalho, n.º 6; 1495-165 Algés.

9. Under the terms of article 5 of the RJEC, the selection is carried out through the evaluation of the scientific and curricular of candidates, considering the following parameters (0 to 20 values), in an additive way:

A) Scientific and technological production in the last five years considered most relevant by the candidate, according to the profile of functions to be performed:

a1) Academic curriculum, considering the scope, quality and grades of the tests academic achievements;

a2) Proven knowledge whenever possible through internationally indexed scientific publications, with emphasis on the theme of the contest considering its number, the order of the authors, the impact factor of the journal and the citations already made by other authors in the areas related to the profile of functions to be performed.

B) Research, dissemination and communication activities, developed in the last five years and considered to have the greatest impact by the candidate and according to the profile of functions to be performed, highlighting:

i) Science dissemination activities;

ii) Organization of events, seminars and workshops; and

iii) Communication with national and international entities in different areas (administration, scientific organizations, the fishing sector, non-governmental organizations, among others).

b1) Doctorate, with emphasis on the scientific and technical topic to be carried out in the aforementioned contract;

b2) Ability to intervene in the scientific and professional communities;

C) Science, technology and innovation program management activities, or experience in the observation and monitoring of science, technology and innovation in Portugal or abroad, according to the profile of functions to be performed:

c1) Participation in management bodies of science, technology or higher education institutions;

c2) Integration in the international scientific research community; participation as a guest speaker at international conferences; participation as an evaluator of publications in international journals, applications for research grants or advanced training and scientific projects; participation as a member of scientific committees or organization of scientific meetings, seminars or conferences; participation as editor of scientific publications.

10. The evaluation of the candidate's scientific and curricular path can be completed by interview, if the jury so decides.

The interview does not constitute a selection method and is not classified, aiming only to obtain clarifications or explanations of elements contained in the candidates' curricula.

11. In accordance with article 13 of the RJEC, the jury has the following composition:

President: Professor Jorge Miguel Alberto de Miranda, President of the Board of Directors of IPMA, IP;

Effective members: Dr. Ivone Maria Ribeiro Figueiredo Silva Rosa, Director of the Department of the Sea and Marine Resources (DMRM) and Bárbara Marques Serra Pereira Antunes da Silva, Head of the Fisheries Resource Modeling and Management Division (DivRP);

Substitute members: Doctor Ana Cristina Andrade Moreno Marques, Assistant Researcher and Doctor Rita Maria Pina Vasconcelos, Assistant Researcher.

12. The jury decides through nominal voting based on the criteria of selection adopted and disclosed, with no abstentions allowed.

13. After the jury's meetings, a minute containing what has happened in the reunion, as well as the votes cast by each of the members and the respective reasons, will be made.

That minute will be available to candidates whenever requested.

14. The final decision of the jury requires approval by the Board of Directors of IPMA, IP.

15. The deadline for submitting applications to the procedure is 10 working days, counting from the day following the publication of this notice in the Public Employment Exchange (BEP).

16. The application must be accompanied by the following documents:

- a) Form available on the IPMA, IP website, expressly indicating which reference(s) you are applying for;
- b) Copy of certificate or diploma attesting to the degree of Doctor (or equivalent);
- c) Doctoral thesis;

- d)** Detailed and updated Curriculum Vitae;
- e)** Other documents that the candidate deems relevant for the assessment of their scientific and curricular path.

17. Candidates must submit the documents, preferably in digital format, in PDF format, to the email address recrutamento@ipma.pt, in person at Rua C ao Aeroporto de Lisboa, 1749-077 Lisboa, during office hours (10h/16h), or by post to the same address.

When sent by post, the mail must be registered, with receipt, sent until the last day of the deadline.

18. The following will be excluded from the procedure:

- a)** Candidates who incorrectly formalize their application or who do not meet the required requirements.
- b)** Candidates who do not submit the application, do not submit documentation or submit illegible, incorrectly completed or invalid documentation.
- c)** Candidates who do not indicate the reference(s) they are applying for.

19. The jury has the option of requiring any candidate, in case of doubt, the documents that prove what is statement by the candidate.

20. False statements made by candidates will be punished by law.

21. The lists of admitted and excluded candidates, as well as the final classification lists, are published on the website <http://www.ipma.pt/pt>, with candidates being notified by email with a receipt of delivery of the notification.

22. Under the terms of article 121 of the Code of Administrative Procedure, after notification, candidates have 10 working days to comment in writing.

Within 90 days, counting from the deadline for the submission of applications, the final decisions of the jury will be approved.

23. This competition is exclusively intended to fill the vacancies indicated.

It may be terminated before the approval of the final ranking list of candidates and will expire with the occupation of the job's offer.

24. IPMA, IP actively promotes a policy of non-discrimination and equality of opportunities and access to employment, in alignment with article 9 of the Constitution.

25. The jury approved this notice at the meeting held on February, 23th, of 2022.

March 4, 2022. — The Chairman of the Board of Directors, Jorge Miguel Alberto de Miranda.