RESEARCH CONTRACT (PhD) (1 vacancy)

REF. ValorMar/IA/2018-098

A competition is open for the attribution of 1 Research Contract in the framework of the project ValorMar, with reference 24517 (10/SI/2016 - I&DT Empresarial - Programas Mobilizadores), supported by the European Regional Development Fund (ERDF) and by the European Social Fund (ESF), according to the following conditions:

1. Scientific area: Ecological Modelling, System analysis and simulation, Applied Mathematics and Statistics, Data Science or Aquaculture.

2. Admission requirements

i) The candidates must hold a PhD in the field of Ecological Modelling, System analysis and simulation, Applied Mathematics and Statistics, Aquaculture or fields alike;

ii) The candidates must have solid experience in the field of ecological modelling and fluent on understanding and incorporating the effects of multiple stressors on marine systems, preferably, with applications to aquaculture systems;

iii) It is mandatory that candidates have a driving license;

iv) Fluency in Portuguese or in English

v) Experience with ecosystem modelling software and liaison with other tools

v) A good publication record in international indexed journals

vi) Experience in project and team management including student's supervision

vii) Good communication and outreach skills

3. Work plan:

This contract is for the application of data analysis and simulation to support aquaculture production in the 4 case studies included in the Valormar project: bream and bass farm, oyster nursery, seaweed farm, and a recirculation experimental system that works mainly with shrimp and several extractive species. The candidates should be highly motivated and have previous knowledge and experience for integration of scientific findings and its application at an operational level to support daily management decisions.

Terminal de Cruzeiros do Porto de Leixões   secretariado@ciimar.up.pt
Avenida General Norton de Matos, S/N   www.ciimar.up.pt
4450-208 Matosinhos| Portugal
Tel.: (351) 223 401 800
Fax: (351) 223 390 608

The candidate will work with the range of tools and platforms being implemented in the farms, in the context of the Valormar project, for gathering farm field data and external data. The work includes model application to simulate farm production, continuous model evaluation, historic data analysis to obtain insights about production management, and liaise with manager/field workers to ensure its effective use on the daily operations. This role implies that part of the work is going to be carried out outside CIIMAR facilities in the aquaculture sites of the project or the facilities of any of the other project partners.

The researcher will also be involved in the project management activities. It is expected that the candidate contributes to the project deliveries including preparation of peer reviewed scientific papers and technical reports.

4. Legislation and official rules:

Law nº. 7/2009, 12th February (Labour Code) and following updates.

5. Work place:

The work will be carried out at CIIMAR, Matosinhos, and at the project partners, namely the R&D companies (SPAROS - Olhão and RiaSearch - Murtosa) and the aquaculture sites (Algaplus - Ílhavo, RiaSearch - Murtosa, Piscicultura de Vale de Lama - Odiáxere, Bivalvia - Olhão), under the scientific supervision of Dr. Luísa Valente.

6. Duration of the contract:

Duration of six (6) months, under the regime of exclusive dedication, eventually renewable according to legal terms to the maximum of 20 months, or until the end of the project (30/9/2020).

7. Monthly salary:

The monthly salary is € 2128.34 (two thousand one hundred twenty eight euros and thirty four cent) in agreement with the research career (Single Remuneration Table: level 33); food, holidays and Christmas allowance apart.

8. Selection methods:

The ranking of candidates will be performed by a global evaluation based on:

- Evaluation of the Curriculum Vitae -30%;
- Experience in the research field – 30%;
- Interview – 40% (Only the short-listed candidates will be interviewed).

Terminal de Cruzeiros do Porto de Leixões   secretariado@ciimar.up.pt
Avenida General Norton de Matos, S/N   www.ciimar.up.pt
4450-208 Matosinhos| Portugal
Tel.: (351) 223 401 800
Fax: (351) 223 390 608

9. Composition of the jury selection:

President of the jury: Luisa MP Valente, Phd

1st Effective Member: Sónia Batista, Phd

2nd Effective Member: Benjamin Costas, Phd

Substitute Member: Leonardo Magnoli, Phd

Substitute Member: Rodrigo Ozório, Phd

10. Form of Advertising/notification of results:

The final results of the evaluation will be published through a list sorting the candidates according to their attributed mark, on the CIIMAR website and by e-mail; in case of disagreement, the candidates have a 10-working day term in which to contest the decision, if he/she so wishes, as provided for in the Código do Procedimento Administrativo in a preliminary hearing setting. The jury reserves the right to not assign the grant depending on the quality of the applications.

11. Deadline for application and presentation of applications:

The competition is open from **8 until 21 January 2019.**

The applications must be formalized, compulsorily, by sending the following documents:

- detailed Curriculum vitae with clear specification of i) degree classification, ii) previous experience in the above mentioned fields, iii) list of peer reviewed publications, books and/or reports, iv) list of the computer skills (software and/or programming languages for simulation and data analysis), v) English/Portuguese language proficiency (e.g. certified exam results or other form of proof for instance a work/paper);
- copy of the eligibility certificates, including driving license;
- motivation letter;
- one or more reference contact information of current or past supervisors;
- contact e-mail address and phone number;
- indication of the reference of the competition (as indicated in this announcement).

The applications should be sent by e-mail to: secretariado@ciimar.up.pt. The applications that **do not include all** the elements previously indicated will **not be considered**.

The contracts will only be signed after the agreements of the project officer.