



## **CIMO–Mountain Research Centre Instituto Politécnico de Bragança**

**Referência:** Research Fellowship (BI)

**Anúncio/Announcement:** A Research Fellowship (BI) is now available at CIMO-Centro de Investigação de Montanha, Escola Superior Agrária, Instituto Politécnico de Bragança, Portugal.

**Áreas científicas/Scientific Areas:** Forest Landscape Ecology, Ecosystem Services

**Requisitos de admissão/Admission requirements:** Candidates will be admitted to the competition when demonstrating: (i) a MSc. title in Forestry or related fields; (ii) experience in ecosystem processes and services assessment and modelling; (iii) experience in the use of GIS, InVEST, and fire behaviour modelling software; and (iv) autonomy, accountability, oral and written communication capacities in a scientific context.

**Plano de trabalhos/Work plan:** The successful candidate will support tasks related to modelling spatial and temporal patterns of forest ecosystem processes, functions, and services (ES) supply and demand in a landscape context under current and future conditions, particularly fire regulation, water regulation, carbon sequestration, agro-forestry production, and hazard mitigation. Such tasks will include (1) identification, collection and management of pre-existing data; (2) collection on data to fill gaps; (3) evaluation of processes, functions, and ES at the landscape level; (4) modelling ES supply and demand in a spatially explicit way; (5) development of tools to estimate changes in ES driven by landscape change; and (6) analysis of trade-offs among ES. The successful candidate is expected to collaborate in writing technical reports and scientific publications, as well as to explore novel approaches and tools related to ES modelling.

**Legislação e regulamentação aplicável/Legislation and regulations:** Research Grants Regulation of IPB, approved by FCT.

**Local de trabalho/Workplace:** The work will be carried out at CIMO – Mountain Research Centre, School of Agriculture, Polytechnic Institute of Bragança, in Bragança, under the scientific supervision of Prof. João Carlos Azevedo.

**Duração da bolsa/Grant duration:** The grant will be awarded for a period of 12 months, due to start in **July 15, 2015**.

**Valor do subsídio de manutenção mensal/Value of monthly maintenance allowance:** Monthly allowance will be 980 euros, according to FCT grant regulations (<http://alfa.fct.mctes.pt/apoios/bolsas/valores>).

**Métodos de selecção/Selection methods:** Candidates will be assessed by the quality of their CV (60%) and an interview (40%). Applications will be evaluated according to the following criteria:

CV (60%)

- Academic evaluation
- Professional evaluation
- GIS, InVEST, fire behaviour modelling knowledge
- Spoken and written English capabilities

Interview (40%)

- Motivation
- Team integration capabilities
- Availability to develop the proposed work
- Spoken and written English capabilities

Applications should include a CV in English, accompanied by a motivation letter (in English), and copies of all relevant academic certificates. The jury may not award the scholarship if the quality of candidates is lower than desired.

**Composição do Júri de Selecção/Composition of the Selection Panel:** Prof. João Carlos Azevedo (Chair), Prof. Felicia Fonseca (Vogal), Dr. Silvia Nobre (Vogal), and Prof. Jaime Pires (substitute member).

**Forma de publicitação/notificação dos resultados / Form of advertising/notification of results:** The final evaluation results will be published and the winning candidate will be notified by e-mail or telephone.

**Prazo de candidature e forma de apresentação das candidaturas / Deadline for application and presentation of applications:** The application period will be from 3 June to 16 June, 2015. Applications must be formalized by sending, by email, a letter of application/motivation together with the following documents: Curriculum vitae in English, copies of degree certificates (in the original language if Portuguese, Spanish, French, or English; in English otherwise), and other documents considered relevant by the candidate.

**Applications should be mailed to:**

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