

CALL FOR AWARDING GRANTS AND PROJECTS UNDER R & D INSTITUTIONS

Research Grant for MSc 1 position

BASE— Bottom-up Climate Adaptation Strategies towards a Sustainable Europe FP7-ENV-2012-two-stage

One Fellowship Research Grant for MSc is open at the **Fundação da Faculdade de Ciências da Universidade de Lisboa**, for the project Bottom-up Climate Adaptation Strategies towards a Sustainable Europe – BASE (project number 308337), a research project from Laboratory for Systems, Instrumentation and Modeling in Science and Technology for Space and the Environment (SIM) financed by The European Commission under the program FP7, under the following conditions:

1. **Scientific Area:** MSc. Any scientific area; preferences will be given to civil engineering background but does not exclude environmental sciences or other engineering;

2. **Requirements for admission:**

- *Experience in research in coastal studies*
- *Knowledge of the coastal region of Aveiro, its science and stakeholders context*
- *Availability to work full time for 4 months engage in field campaigns*
- *Experience on report & articles writing/publishing*
- *Experience in the field of action-research and transformative research;*
- *Excellent Portuguese and English communication skills (written and spoken) is mandatory;*
- *Previous experience in participatory methodologies will be valorized;*
- *Previous experience on climate change, alternative economies and sustainability issues is highly valorized;*
- *Dynamic, proactive, autonomous personality and skills*
- *Intermediate-level ITC skills required.*

3. **Work plan:**

The overall objective of this work is to contribute to the project BASE general objectives and to the Case Study of Barra-Areão specific objectives as mentioned bellow:

BASE is a European Research project with 14 partners that, between 2012 and 2016, will:

- Compile and analyse data and information on adaptation measures and their effectiveness towards a publicly available comprehensive, integrated knowledge base. This includes analysis of social and economic benefits, sectoral adaptation costs, and policy making implications.
- Improve and develop new assessment methods and tools for assessing climate impacts, vulnerabilities, risks and policies.
- Identify conflicts and synergies at different policy levels as well as between and within sectors to highlight strategies for improving policy coherence and effectiveness.
- Integrate bottom-up knowledge with top-down processes through innovative approaches to assess the effectiveness, costs and benefits of adaptation strategies at different scales.
- Bridge the gap between specific assessments of adaptation measures and ‘top down’ implementation of comprehensive and integrated strategies.
- Increase the integration of local knowledge and perceptions of adaptation pathways through novel participatory methods and deliberative tools to create co-designed and effective adaptation strategies.
- Disseminate project results to policy makers, practitioners and other stakeholders to increase awareness of the impacts, costs and benefits of climate adaptation for effective and sustainable adaptation strategies through tools such as Climate-ADAPT

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In Portugal, in the case study of Barra-Areão, the main objectives are to proactively research the adaptation planning process for the coast between Praia da Barra and Areão, in the region of Aveiro, for the year of 2100, increasing the integration of stakeholders through the use of novel participatory methods of planning and decision making, namely the Scenario Workshop and Adaptation Pathways tools.

More specifically, the work plan of the present research grant will support the adaptation planning process that will take place with the relevant stakeholders in the scenario workshops of April and May 2014 in the region of Aveiro and its follow up.

The work plan grant holder consists of:

Until 03/04/2014:

Compile and identify the feasibility of possible structural adaptation measures to the cost of Barra-Areão.

Support the creation of the GIS maps with coastal erosion and sea level rise scenarios for the region of Barra-Areão to support the workshop of April 2014.

Until 08/05/2014:

Qualitative evaluation of the all possible structural adaptation measures to the region at stake, regarding its objectives, impacts, advantages and disadvantages.

Summary evaluation of the costs of investment and maintenance of the structural adaptation measures at stake of the region.

Qualitative evaluation and scoring of the adaptation measures, regarding its lifetime, effectiveness and secondary effects.

Until 27/04/2014:

Cost Benefit analysis of the two or three adaptation pathways defined in the participatory workshop of May 2014. This work will be done in cooperation with the BASE team.

The outputs of the work consist of reports of the work for the dates mentioned above and a final report for the 31st of July 2014.

4. **Legislation framework:** A fellowship contract will be celebrated according to the regulations defined by FCT “Regulations for Advanced Training and Qualification of Human Resources”, 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 of 2013 approved by Regulation No. 234/2012, of June 25, as amended by Regulation No 326/2013 of 27 August 2013, in force (www.fct.pt/apoios/bolsas/regulamento.phtml)

5. **Place of work:** The work will be carried mainly in the case study of Aveiro, namely in the University of Aveiro and in the Laboratory for Systems, Instrumentation and Modeling in Science and Technology for Space and the Environment (SIM) of the Faculty of Sciences of the University of Lisbon, under the scientific coordination of Investigator Carlos Coelho and Gil Penha Lopes.

6. **Fellowship duration:** This position is initially open for 4 months and will begin on the 9th of April 2014.

7. **Monthly allowance:** The fellowship amounts to € 980, 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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8. **Selection method:** Candidates will be assessed by the quality of their CV (40 %) and personal requirements for admission analysed by interview to the top selected candidates (60 %)
9. **Selection Committee:** Carlos Coelho (President), Gil Penha-Lopes (vogal), Nuno Grosso (vogal) and André Vizinho (vogal).
10. **Publication/notification of results:** The final results of the evaluation will become public, through ordered list by final grade obtained which will be posted at the entrance hall of the **Fundação da Faculdade de Ciências da Universidade de Lisboa**, located at the Faculdade de Ciências da Universidade de Lisboa, C1 bdg – 3rd floor, Campo Grande, 1749-016 Lisboa, and the selected candidate will be notified by email and phone.
11. **Deadlines:** This call for applications is open from the **31st of March** until the **7th April 2014**.
12. **Application:** Applications must be sent by email to Ms Ângela Antunes (amantunes@fc.ul.pt); Please indicate the following subject (GRANT-FFCUL-BASE 2014 – Aveiro); Other communication means will not be considered; Full application includes (lack of any of this documents will deem application invalid):
- a) Updated Curriculum Vitae (max. 6 pages);
 - b) Proof (declaration) of academic degree;
 - c) Letter of interest (max 1 page).
 - d) 2 Recommendation Letters are valorised
- Application must be in English**
14. **Other issues:** Gender and equality criteria will be applied to this Grant attribution.
15. **Contact regarding this announcement:** Ms. Ângela Antunes (amantunes@fc.ul.pt)