

Computer Scientist

Local Indicators of Climate Change Impacts. The Contribution of Local Knowledge to Climate Change Research (LICCI)

Duration of contract: September 2018- August 2020

Project description: We aim to hire a computer scientist to work at the Institute of Environmental Sciences and Technologies at UAB. Applicants should possess a honours/master degree in a relevant discipline such as Computer Science, Electronic Engineering or Human-Computer Interaction and must have experience and skills in Software Engineering or Human Computer Interaction. The selected fellow will work under Reyes-García supervision for the ERC-LICCI project "Local Indicators of Climate Change Impacts. The Contribution of Local Knowledge to Climate Change Research". This research project aims to bring insights from indigenous and local knowledge to climate research by 1) providing data on local climate change impacts on natural and on human systems and 2) testing hypotheses on the global spatial, socioeconomic and demographic distribution of local climate change impacts indicators. The position will be located at ICTA-UAB.

Functions: The computer scientist will be responsible for the development and implementation of the web-based platform and a smart-phone App in which citizens around the world would enter information on perceived impacts of climate change. The ideal candidate should have a broad and deep knowledge of networking, operating systems, application architectures, web applications, apps development, and databases. The computer scientist will collaborate directly with scientists working on diverse fields, including climate modelers, and natural and social scientists, being involved in every phase of the development process. The ideal candidate should have excellent verbal and written communication skills and should be able to work as part of a team to design, develop and deploy software prototypes.

Profile: Applicants must have a degree in Computer Science, Electronic Engineering or Human-Computer Interaction. Candidates should 1) have experience in programming in Java and Android and have a good understanding of code management systems such as GitHub. Skills in using Python would also be desired; 2) have experience in managing databases (MySQL, PostgreSQL). Experience in the development of Apps (Android, iOS) and knowledge of open code source will be a plus. Candidates should be fluent in written and spoken English (fluency in other languages is a plus). Previous working in similar projects will be valued.

Contract terms: The technician will be hired full time during two consecutive years (the first three-months will be a probation period) by UAB and they will work at ICTA (<http://icta.uab.es>). The annual gross salary is of 28.325,64€, and includes social security (i.e., health and pension benefits). Off-campus medical insurance and field expenses will be covered by the project.

To apply: Applicants should send a cover letter and code outputs from past works and an updated CV to licci.erc@uab.cat by May 13th, 2018. The cover letter should include a personal statement explaining the applicant interest in the project and the name, position and e-mail contact of three potential referees. Candidates that do not fill the requirements will not be considered. Shortlisted candidates will be interviewed beginning June, and a final decision will be communicated by mid of June 2018. The selected technician is expected to join between 15th September -15th October 2018.

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