Postdoctoral Research Fellowship: Climate dynamics

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

Duration of contract: September 2018- August 2022

Project description: We invite applications for a Postdoctoral Research fellowship on climate dynamics. Applicants must have a PhD in atmosphere, climate, or related sciences and a keen interest in climate variability and change, and its impacts in the biophysical and the socio-economic systems. The selected fellow will work under Reyes-García supervision for the ERC-LICCI project. 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 selected fellow will work on the analysis and modeling of local indicators of climate change impacts on the biophysical and the socio-economic systems, integrating data collected in this project with current models on the impacts of climate change. The fellow will have a major role in the development of the project including developing methods, mentoring/supervising PhD students, analysing data, and disseminating results. The work might include trips to remote areas where PhD students will be collecting data. The fellow will also be expected to (1) collaborate on the organization of workshops to train PhD students, and (2) participate in a policy conference to disseminate project's results. The fellow will be encouraged to pursue his/her own research ideas, within the topic of the project.

Profile: Applicants must have a PhD in atmosphere, climate, or related sciences, and demonstrated familiarity with climate dynamics and climate modeling. Candidates should be fluent in written and spoken English (fluency in other languages is a plus). Candidates should have demonstrated skill in the ability to analyze and manipulate large and disparate datasets, familiarity with and climate models and experience in setting up and running global atmosphere models is preferred. Candidates should 1) have published articles in peer-reviewed international journals or monographs with recognized academic publishers, 2) be able to travel internationally for long periods of time (i.e., months), 3) have a demonstrated ability to work across disciplines, both individually and as part of a team. Candidates should have experience in programming in Java. Skills in using Pyton would also be desired. Candidates should have experience in managing databases (MySQL, PostgreSQL).

Contract terms*: The fellow will be hired full time during four consecutive years. The annual gross salary is of 35.964, 00€, 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 at least one example of their previous work (e.g. published papers, thesis) 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 fellow is expected to join between 15th September -15th October 2018.

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