

## Postdoctoral Research Scientist

### Linking Earth system models with local human perceptions of climate change

Contract duration: September 2018- August 2022

**Project description:** We invite applications for a Postdoctoral Research Scientist on Earth System Modelling. Applicants must have a PhD demonstrating a thorough understanding of climate and/or Earth system models and a keen interest in quantifying impacts of anthropogenic climate change 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. The position will be located at ICTA-UAB.

**Functions:** The selected fellow will work on modeling locally reported impacts of climate change on the biophysical and the socio-economic systems, integrating data collected in this project with current models on climate change impacts. 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 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 the physical sciences, mathematics or a computational science (or equivalent research experience demonstrating a thorough understanding of climate and/or Earth system models). 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, and familiarity with climate science including general circulation models or the terrestrial component of Earth system models. Candidates should 1) have published articles in peer-reviewed international journals or monographs with recognized academic publishers, 2) be able to travel internationally, 3) have a demonstrated ability to work across disciplines, both individually and as part of a team. Candidates should have experience in languages such as; Unix/Linux, Python, Fortran, C++ and 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](mailto:licci.erc@uab.cat) by June 17<sup>th</sup>, 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 July, and a final decision will be communicated by end of July 2018. The selected fellow is expected to join between 15<sup>th</sup> September -15<sup>th</sup> October 2018.

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