

**Earth System Modelling Doctoral Student needed.  
Linking Earth system models with local human perceptions of climate change.**

**ERC Project: “Local Indicators of Climate Change Impacts.  
The Contribution of Local Knowledge to Climate Change Research”  
(LICCI)**

Contract duration: October 2018- September 2022

**Project description:** We invite applications for a Doctoral student on Environmental Sciences with previous training in Earth System Modelling. The selected students would register in the PhD program of the Institute of Environmental Sciences and Technology at UAB (<http://icta.uab.cat/formacion/doctorat.jsp>) and work under Reyes-García supervision in the LICCI project. The 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 (e.g., shrinking glaciers, phenological changes) and on human systems (e.g., crop failure due to rainfall patterns change) and 2) testing hypotheses on the global spatial, socioeconomic and demographic distribution of local climate change impacts indicators. The position will be located at the Institute of Environmental Science and Technology of the Universitat Autònoma de Barcelona.

**Functions:** The selected student will be responsible for the development of an Earth system model using data from local impacts on the biophysical systems collected from local indicators of climate change. Data will be collected by other team members among Indigenous peoples and local communities living in remote areas. The student would also be expected (1) to collaborate in training workshops, and (2) to participate in a policy conference to disseminate project’s results. The student will be encouraged to pursue his/her own research ideas, within the topic of the project.

**Profile:** Candidates should have an official master’s degree in a field relevant for this research (physical sciences, mathematics or a computational science or equivalent) and 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 1) be able to travel internationally, and 2) have the ability to work across disciplines.

**Contract terms:** Student will be hired full time during four consecutive years by UAB and will work at ICTA (<http://icta.uab.es>). The annual gross salary is of 20.004, 00€, and includes social security. 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 September 30<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 October, and a final decision will be communicated by mid October 2018. The selected student is expected to join between 15<sup>th</sup> October -15<sup>th</sup> November 2018.

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