



# CIGIDEN

National Research Center for Integrated Natural Disaster Management

**Call for Applications**  
**25th June - 30<sup>th</sup> July 2015**

**Postdoctoral Position**  
**Hazard Assessment Integrative Research Area**

## **National Research Center for Integrated Natural Disaster Management – CIGIDEN**

The National Research Center for Integrated Natural Disaster Management (CIGIDEN [www.cigiden.cl](http://www.cigiden.cl)) is a multidisciplinary research center funded by CONICYT with research teams located in Santiago, Valparaíso, and Antofagasta. CIGIDEN brings together researchers from various fields (e.g., Sociology, Urban Studies, Urban Planning, Geography, Psychology, Engineering, and Geosciences) and is supported by the Pontificia Universidad Católica de Chile ([www.uc.cl](http://www.uc.cl)), the Universidad Católica del Norte ([www.ucn.cl](http://www.ucn.cl)), the Universidad Santa María ([www.usm.cl](http://www.usm.cl)), and the Universidad Nacional Andrés Bello ([www.unab.cl](http://www.unab.cl)).

CIGIDEN aims is to integrate, develop, and transfer knowledge that will enable Chile to better confront natural disasters, by improving the actions during all phases of the disaster cycle: preparedness, response, recovery, and mitigation. With this in mind, the objective of the Center is to substantially increase the capacity of the Chilean society to not only respond systematically and effectively to the occurrence of these events, but also to mitigate their impact while simultaneously building more resilient individuals and communities.

CIGIDEN is seeking a highly motivated and innovative researcher from the field of Earth Surface processes to characterize short-term landscape evolution in the western part of the Andes, starting in September 2015. We would like to address how the landscape reacts to extreme events such as heavy rains or great subduction earthquakes. In particular our interest is in developing qualitative and quantitative models for characterizing short-term landscape response to these processes. Through this we mean to develop natural hazard models that include recurrence and intensity.

The Postdoctoral researcher will work on data collection and data processing to develop integrated models. Therefore, the ability to communicate results to researchers from other disciplinary lines is highly required. The selected researcher will also be required to generate scientific publications in high impact peer reviewed journals. The position would be guaranteed for 1 to 2 years pending an internal evaluation.

**Required qualifications:**

The candidate must hold a PhD in an area related to geology or geomorphology, in particular in hydrological processes, sedimentology and/or fluvial processes. Computation and computer assisting data processing is also necessary. Previous work experience shall be demonstrated through publications in international indexed journals.

The candidate should be fluent in English.

**Minimum expected achievements to allocate a 2<sup>nd</sup> year postdoctoral funding from CIGIDEN:**

At the end of the first year, postdoctoral fellows should have submitted at least one paper to an indexed international journal, and a research proposal to the CONICYT Postdoctoral program (expected to be open in April-May 2016).

Successful applicants will be appointed in the Universidad Católica del Norte, and will reside in Antofagasta, Chile, where they will receive a gross stipend of 1.500.000 CLP (~2.400 USD) per month, as well as travel expenses for those living overseas.

Our Center will host the postdoctoral researcher starting in September 2015.

**Application deadline: 30<sup>th</sup> July 2015**

Application and further inquiries:

To apply, please send your letter of intent/motivation, a research proposal, an extended CV with a full digital archive of published ISI papers, and two letters of recommendation to Rodrigo Cienfuegos ([director@cigiden.cl](mailto:director@cigiden.cl)), Gabriel González ([ggonzale@ucn.cl](mailto:ggonzale@ucn.cl)), and Jorge Gironás ([jgironas@ing.puc.cl](mailto:jgironas@ing.puc.cl)).