

## Postdoctoral fellow on spatial prioritization of areas for conservation in Peru Position open in: Fixed-term contract - 1 year, starting November 1st, 2022

### ◆ The structure you will join

The Institute of Environmental Geosciences (IGE) is a public research laboratory under the supervision of CNRS/INSU, IRD, Grenoble Alpes University (UGA) and Grenoble-INP.

It brings together about 260 people including 160 permanent members (researchers, teacher-researchers, engineers) and about 100 PhD students, post-doctoral fellows and staff on fixed-term contracts. The laboratory also welcomes each year several dozen interns and scientific visitors. The laboratory is located on three sites on the Grenoble University Campus (Glaciology, OSUG-B, and Maison Climat Planète).

The IGE is one of the main laboratories of the *Observatoire des Sciences de l'Univers de Grenoble (OSUG)* which is a federative structure of the INSU.

### ◆ An attractive mission

This postdoctoral position will focus on the spatial prioritization of areas for conservation in Peru. As part of the Global Deal for Nature, the goal is to increase the coverage of terrestrial protected areas in Peru to 30% of its territory. The prioritization was designed as a socio-ecological approach, and to integrate indicators of biodiversity, carbon sequestration and water supply and demand. The applicant will produce maps of priority areas for conservation to complement the current system of protected areas in Peru. The results will be discussed in an iterative process with several project partners, including the Peruvian Ministry of Environment (MINAM), scientific institutions attached to MINAM, and the [Wildlife Conservation Society \(WCS\)](#).

Your activities:

- Spatial analysis of the current system of protected areas in Peru.
- Collection of biodiversity and carbon data sets at the relevant resolution.
- Prioritization of priority areas for conservation by integrating biodiversity, carbon and water indicators.
- Discussion of the approach and results in several iterations with project partners, including the Peruvian Ministry of the Environment, the Wildlife Conservation Society, and other research institutes. Virtual discussions will be recommended, but face-to-face meetings are also planned (subject to funding availability).
- Writing of a scientific paper and a policy brief.

## Your future team

The postdoctoral researcher will be part of the C2H team of the IGE under the responsibility of Jhan Carlo Espinoza and Ignacio Palomo (<https://www.ige-grenoble.fr/-Climat-Cryosphere-Hydrosphere-C2H->).

### ◊ The profile we are looking for

You will have a PhD thesis in a related field, with prior experience in spatial prioritization using dedicated software such as Marxan, Zonation, R, or similar and have developed the following skills:

- Spatial analysis with QGIS, ArcGIS/ArcMap, R or similar.
- Ability to conduct research in an interdisciplinary science setting.
- Ability to communicate results and modify working approach with project partners.
- Spanish language will be positively evaluated.

### ◊ IRD, an Institute that gives meaning to your career

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