

**POSTDOCTORAL RESEARCHER IN ROCK GLACIER HYDROLOGY
(ONE POSITION, 24 MONTH DURATION)**

The Centre for Advanced Studies in Arid Zones (CEAZA), located in La Serena and Coquimbo - Chile is a scientific consortium, founded in 2003, which is dedicated to studying the impact of climatic and oceanographic variability on the hydrological cycle and biological productivity in the arid zones of Northern-Central Chile.

The successful candidate will study the role of rock glaciers in the hydrological system of headwater catchments in the Coquimbo Region, with a focus on the Elqui Catchment (30°S). They will use a combination of field measurements, hydrometeorological data, and modelling approaches. The chosen candidate will focus on understanding and quantifying the impact of rock glaciers on catchment processes, working towards an analysis of the hydrological response of catchment headwaters to climate change. The candidate will be expected to be innovative in their approach, and to be able to work independently; participation in field trips is expected. The successful candidate will contribute to writing project reports and be expected to publish their results in peer-reviewed scientific journals in a timely manner.

You will have:

- A doctoral degree (completed or near to completion) focused on rock glacier hydrology
- A background in geology
- Programming skills
- Experience in planning and undertaking fieldwork
- Ability to work well in a diverse team
- Ability to develop research ideas independently
- Good physical fitness

Experience in the following areas is desirable:

- Knowledge of Spanish
- High altitude experience

Application information and practical details

Applications should be written in English or Spanish and must include:

- Application letter including a statement of research interests
- CV and publication list (summarizing education, positions and academic work, and other qualifying activity)
- Names and contact details of 2 referees (name, relation to candidate, e-mail and telephone number)

Practical details:

- The positions are available from 1 January 2024 and successful candidates should begin before 1 February 2024
- The duration of the appointment is 24 months (assuming the position begins on or before 1 January 2024)



- Foreign candidates will apply for a working permit at their own expense
- No relocation fund is available

Further information on CEAZA can be found at: <http://www.ceaza.cl>

For further information about the expected area of work, the related project, or CEAZA, please do not hesitate to contact Dr Shelley MacDonell (shelley.macdonell@ceaza.cl).

Applications should be submitted by email to Dr Shelley MacDonell (shelley.macdonell@ceaza.cl) before 6 December 2023.