

## **RESEARCHER IN HYDROLOGY/HYDROGEOLOGY**

The **Center for Advanced Studies in Arid Zones (CEAZA)**, located in La Serena and Coquimbo - Chile is a scientific consortium, established 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.

---

**CEAZA** is searching for a full-time **RESEARCHER** in **HYDROLOGY/HYDROGEOLOGY**

### **Description of role:**

The successful candidate will undertake research on the hydrological processes involved in the water cycle of semiarid Northern-Central Chile, which may include, but is not limited to: surface and/or groundwater modeling; surface water/groundwater interaction; groundwater flow; cold regions hydrology, time series analysis and the interpretation of spatially distributed hydrological data.

They will work in close collaboration with CEAZA researchers, including in Glaciology, Climatology, Meteorology and Paleoclimatology, but may also develop innovative research projects with biologists and resource planning scientists. The successful candidate will participate in ongoing research projects, but will also be expected to develop and lead new projects and secure their funding. She/He will communicate her/his research to the wider community, especially local decision-makers, through their participation in workshops, seminars and other outreach activities. Finally, the researcher is able to collaborate in or coordinate courses (or thesis guidance) at post-graduate level.

### **Minimal qualifications and experience:**

- Ph.D. in subjects related to hydrology or hydrogeology.
- Experience in research, demonstrated by a track record of publications in relevant journals.
- Experience in research, demonstrated by participation and/or leadership in research projects (equivalent to Chilean ANID programs).
- Ability to use and develop hydrological models (physical and/or statistical).
- Experience in field hydrology.
- The capacity to manage groups and work with researchers from other disciplines.
- Ability to work in a team.
- *Desirable*: Have at least a basic level of Spanish (communicative skills) at the time of assuming the position.
- *Desirable*: Have experience in using hydrochemistry methods.
- *Desirable*: Have research experience in arid zones.
- *Desirable*: Experience in remote sensing data processing.
- *Desirable*: Understanding of water resource issues within the context of climate variability and land use/land cover change.
- *Desirable*: Experience in communicating research outputs to stakeholders (eg: water resource managers, local government bodies, general public).

### **Practical details:**

- The position is available from September 15<sup>th</sup>, 2020 (or afterwards upon agreement).
- The position is permanent, subject to positive annual academic evaluation
- The application can be submitted in English or Spanish, and should contain:

- A research statement describing experience, motivation for this position and research proposal to undertake in CEAZA.
- A Curriculum Vitae.
- Certificates and other relevant documents that confirm University qualifications and/or other relevant information.
- Two references letters reference the trajectory of the candidate. These must be sent directly to **ofertas.laborales@ceaza.cl**

The successful applicant will work as part of Geosciences group at CEAZA. More information about CEAZA and ongoing projects can be found at <http://www.ceaza.cl>. Do not hesitate to contact Dr. Jaime Cuevas ([jxcuevas@ceaza.cl](mailto:jxcuevas@ceaza.cl)) for any additional details.

Applications should be sent to Dr. Carlos Olavarria, CEAZA Executive Director (**ofertas.laborales@ceaza.cl**) before **August 31<sup>st</sup>, 2020**.

### **Selection process**

- CEAZA reserves the right to select the applicants that it deems most suitable or not select any of the candidates.
- Applicants who join this selection process agree to undertake all evaluation instruments that are deemed appropriate to verify their competencies and experience, including interviews and psychological tests.
- CEAZA will notify in writing the result of their application to all candidates, including the successful candidate, who must confirm in writing their acceptance of the offer of the position.