

CENTER FOR ADVANCED STUDIES IN ARID ZONES **CEAZA**

OECD Area: Natural Sciences, Agricultural Sciences
Specialty: Earth and Environmental Sciences; Biological Sciences, Biotechnical
Environmental; Agricultural Biotechnology, Hydrology, Glaciology

The Center for Advanced Studies in Arid Zones (CEAZA) is a Regional Center which promotes scientific and technological development through carrying out advanced science on an interdisciplinary level in arid zones, biological sciences and earth sciences and is aimed at improving the quality of life of people, promoting civic participation in science through activities meant to generate and transfer knowledge.

It is geared towards generating scientific knowledge applicable to the region based on the dynamics of the local climate and its effect on regional activities, whether they be related to produce, the environment, social or private policy, to contribute to the strengthening of the competitiveness of the region, thus favoring regional development and a better quality of life for people.

CEAZA implemented CEAZAMET, which consists of a network of automatic environmental monitoring stations for the entire region, which deliver a great amount of information on meteorological and oceanographic variables, to be used by various users, regional authorities, entrepreneurs who require environmental information regarding the plausibility of energy or agricultural projects, amongst others.

It keeps a permanent collaborative relationship with the Coquimbo Regional Government regarding risks, such as climatology, meteorology, water scarcity, territorial planification, etc.

Research Lines:

- Geoscience Group
- Sea Group
- Biotec Group
- CEAZAmet

Regional Centers



>> SCIENTIFIC PRODUCTIVITY:

dataciencia.anid.cl/institution/1641

*Dataciencia.cl



Regional Centers



>> CONTACT INFORMATION:

Executive director:

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>> OUTREACH ACTIVITIES:

- Redaction of books such as "An overview about the history, culture and environment of the communities of the Fray Jorge Biosphere Reserve (*Una reseña sobre la historia, cultura y medio ambiente de las comunidades de la Reserva de la Biosfera Fray Jorge*)", an imitative which put emphasis on the cultural and national heritage of the zone.
- "School of the Science Experience of CEAZA," which delivers scientific information to guides and tourism entrepreneurs, regarding ecosystems of the Humboldt Archipelago.
- Transfer of scientific knowledge on harvesting quinoa and aquiculture to students, school teachers and producers of the region.
- "Snow Neighbors", civic participation project through which inhabitants of the mountain zones learn about the features of snow.
- Visibility of the value of the biodiversity of wetlands, like "El Culebrón" (the Culebrón), in the city of Coquimbo.
- Generation of oceanographic and hydrometeorological information delivered in monthly bulletins.

>> RESEARCHERS:

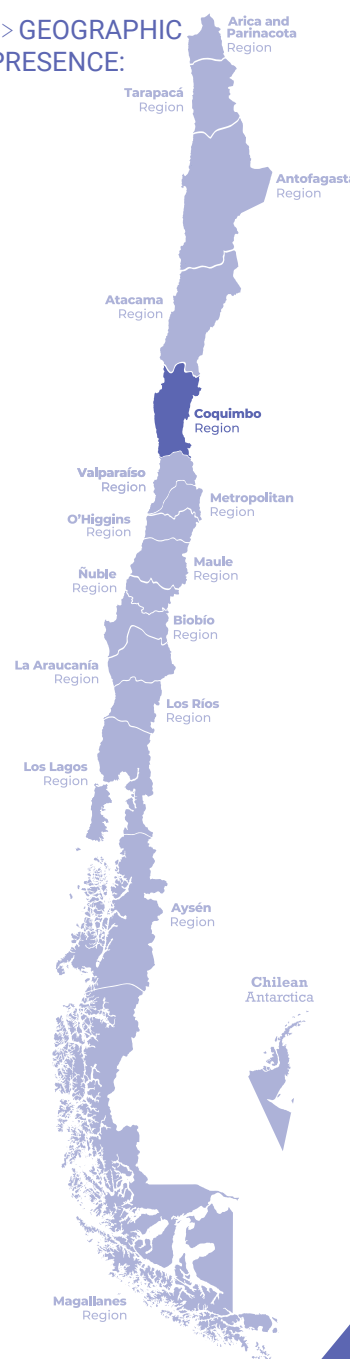
Main researchers:

Claudio Álvarez; Teodoro Coba de la Peña; Carlos Henríquez; Enrique Ostria; Alexandra Stoll; Victor Aguilera; Orlando Astudillo; Boris Dewitte; Carlos Olavarria; Laura Ramajo; Marcelo Rivadeneira; Jaime Cuevas; Etienne Bresciani; Katerina Goubanova; Shelley MacDonell; Antonio Maldonado; José Rutllant.

Associate researchers:

Máximo González; Eugenia Gayó; Susannah Buchan; Carola Flores; Patricio Manríquez

>> GEOGRAPHIC PRESENCE:



>> MAIN ACHIEVEMENTS:

- 18 years after its establishment it has become a national point of reference for scientific productivity, which has been announced formally by the ANID.
- Management work done by CEAZA has become a model for national and foreign institutions.
- It is of note that its transference of knowledge to the community is an important contribution to the creation of public regional and national policy.
- It maintains a network of around 50 meteorological stations to prognose natural events and it serves as a scientific supply.
- The work that the center has done has managed to get the Regional Government of Coquimbo to prioritize its financing to this very day.
- Since 2008 CEAZA operates as a non-profit NGO.

Hosting Institutions:

Catholic University of the North
University of La Serena
Agricultural Research Institute (INIA Intihuasi)
Regional Government of Coquimbo