



Chile

Applicant: Ministry of Environment
National Designated Entity:
 Ms. Paulia Ulloa, National Council for Clean Production
Duration: 12 months
Status: Completed
Budget: 250,000 USD
Technical Assistance Planned by:
 Tropical Agricultural Research & Higher Education Center (CATIE); UNEP DTU Partnership
Implemented by: CATIE; World Agroforestry Centre

Design of a National Network for Monitoring Ecosystem Resilience in the Face of Climate Change

CONNECTING COUNTRIES TO CLIMATE TECHNOLOGY SOLUTIONS

The Climate Technology Centre and Network promotes the transfer of climate technologies at the request of developing countries for energy efficient, low-carbon and climate resilient development.

By connecting stakeholders with technology experts from around the world, the CTCN delivers customized capacity building and technology solutions aligned with national climate objectives.

CHALLENGE

Chile's economy relies heavily on the biological diversity of its terrestrial and marine resources. Climatic pressures threaten the ability of ecosystems to produce climate change mitigation and adaptation services. However, there has been little coordinated monitoring of ecosystem resilience in the face of a changing climate.

CTCN SUPPORT

- Design of a national multi-scale and multi-institutional monitoring network for biodiversity and ecosystem integrity
- Development of standards and protocols for the monitoring of biological and environmental variables, climate scenarios, network information sharing and related data management
- Recommendation for formal institutional arrangements and collaboration as well as logistical and operational requirements

EXPECTED IMPACT

- Better informed economic and environmental policies to further protect Chile's biodiversity
- Conservation of natural resources can offer the additional benefit that the carbon stored in these resources will not be released, contributing to mitigation of climate change.

THIS PROJECT ADVANCES

Chile's Nationally Determined Contribution to:

- Implement concrete actions to increase resilience in the country, under the National Climate Change Adaptation Plan; and
- Strengthen the institutional background of adaptation in Chile.

SUSTAINABLE DEVELOPMENT GOALS



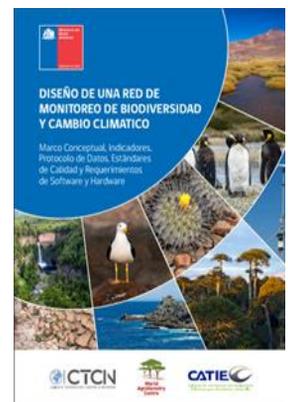
“Thanks to CTCN’s collaboration, the Ministry of Environment marks today the design of a biodiversity monitoring network. This means not only achieving a landmark in the national context, but international as well, given that Chile will serve as a high quality observatory for biodiversity in a global climate change context. Furthermore, the implementation of the monitoring network means a technological leap that could benefit other countries in the region and beyond”

- Mr. James Robinson, National Council for Clean Production, Chile

THE STORY

Chile’s request to establish a monitoring network for ecosystem resilience in the face of climate change was the first technical assistance request that the CTCN received after its launch in 2014. The CTCN’s support focused on the first stage of establishment and operationalization of the National Monitoring Network through design of the system and removal of technical and technological barriers to its implementation.

The CTCN and its partners, the Tropical Agricultural Research and Higher Education Center and the World Agroforestry Centre, facilitated the establishment of an inter-sectoral steering committee by the Ministry of Environment and developed guidance on the identification of: information needs; existing available information and how to access it; information gaps; mapping of current actors in data gathering and analysis; and validation of the usefulness of existing hard- and software.



Learn more about CTCN technology transfer

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The CTCN is the operational arm of the UNFCCC’s Technology Mechanism and is hosted by UN Environment and the United Nations Industrial Development Organization (UNIDO).

The CTCN gratefully acknowledges the support of :

