



From science to policy

Through a close connection between science and political implementation, two main areas of responsible public action will be strengthened by the project:

- (1) Mainstreaming by overcoming sectoral barriers and
- (2) promoting the political orientation towards the long-term task of adapting to climate change.

The close collaboration with major stakeholders is an integral part of the project.

The activities include a series of ten Round Table meetings, with representatives from all relevant authorities at local, national, and regional levels, that will occur regularly during the course of the project.

The central tasks of the Round Table are to:

- » determine possible measures,
- » establish criteria for evaluation and prioritization,
- » select appropriate adaptive measures, and
- » finally start their implementation.

Contact

Helmholtz Centre for Environmental Research - UFZ
Permoserstraße 15 | 04318 Leipzig | Germany

Head of the Project:

Prof. Dr. Bernd Hansjürgens
Department of Economics
Email: bernd.hansjuergens@ufz.de

Project Coordination:

Dr. Kerstin Krellenberg
Department of Urban and Environmental Sociology
Email: kerstin.krellenberg@ufz.de
Katrin Barth
Department of Urban and Environmental Sociology
Email: katrin.barth@ufz.de

For more information please visit:

<http://www.climate-adaptation-santiago.ufz.de/>

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ClimateAdaptationSantiago (CAS)

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Today there is a growing consensus that climate change is inevitable. This phenomenon leads to, among other things, an increase in annual median temperatures and changes in precipitation. Latin America is no exception. The Metropolitan Region (MR) of Santiago de Chile, an urban agglomeration with more than six million inhabitants, is likewise affected by climate change.

Due to the high demand for resources and the concentration of economic power and functional systems in the Metropolitan Region, the elaboration of adaptive measures with regard to climate change is an important challenge.

The ClimateAdaptationSantiago (CAS) project seeks to analyse the impacts of climate change in Santiago and derive measures for adapting to the change.

Focus

The project's objective is to develop climate change adaptation measures for the Metropolitan Region of Santiago de Chile in the key sectors of energy, water and land use. Activities include the estimation of fundamental climate changes, with a special focus on the urban-regional level, together with their future consequences, including physical, economic, and social vulnerabilities. As part of a participatory process, representatives of relevant authorities at local, national, and regional levels are developing, evaluating, and prioritizing climate change adaptation measures and planning their implementation. With the integration of local authorities of other Latin American megacities, the activities will be incorporated into a Regional Learning Network.



The CAS project seeks to provide answers to questions such as:

- » What are the principal climatic changes to be expected in the Metropolitan Region of Santiago de Chile?
- » What are the impacts of these changes at the local level?
- » What risks and vulnerabilities of the Metropolitan Region's inhabitants are related to the impacts of climate change?
- » What are the potential adaptation measures and how can they be implemented?

The project adopts the following objectives:

- » Assessment of the main climatic changes to be expected for the urban region of Santiago de Chile, based on an evaluation and analysis of existing models, studies and data.
- » Assessment of likely effects on the key sectors of water, energy and land use, as well as the associated vulnerabilities and inter-linkages, through explorative scenarios.

- » Identification of various adaptive measures in the context of a participatory process with local stakeholders (Round Table) that focuses on the development, prioritization and determination of a set of existing and new measures.
- » Establishment of a legal and institutional framework (in collaboration with the Regional Government and related ministries) in Santiago de Chile, dedicated to implementing long-term adaptive measures.
- » Development and dissemination of informational material both for stakeholders and for the general public.
- » Generation, transfer and dissemination of knowledge through the establishment of a Regional Learning Network. The main target groups are decision-makers and scientists in other Latin America cities. The aim is to promote and replicate the development of the adaptation strategy from Santiago de Chile and to learn from each other.

Cooperating Organizations

Partners in Latin America

- » Universidad de Chile - Centro Internacional para el Desarrollo Urbano Sustentable (IDUS)
- » Pontificia Universidad Católica de Chile - Instituto de Estudios Urbanos y Territoriales (IEU+T)
- » Comisión Económica de las Naciones Unidas para Latino América y el Caribe (ECLAC/CEPAL)

Partners in the German Helmholtz Association

- » Karlsruhe Institute of Technology (KIT) - Institute for Technology Assessment and Systems Analysis (ITAS)
- » Helmholtz Centre for Environmental Research – UFZ (Institution responsible for the project coordination)

In cooperation with Chilean entities

- » Regional Government (GORE)
- » National Environment Commission (CONAMA)