

Supporting adaptation to climate change (ProAdapta)

Context

The economic, social and environmental impacts of climate change represent a significant challenge for sustainable development in Brazil. Policymakers have responded by developing an agenda for adaptation to climate change, the main instrument of which is the Adaptation Climate (the old Plan National Adaptation Plan).

Since its adoption in 2016, the NAP has focused on expanding and disseminating scientific, technical and traditional knowledge, supporting the production, management and dissemination of information on the risks arising from climate change, and developing the capacities of government entities and society in general. In addition, the plan has promoted coordination and cooperation between public bodies for climate risk management, through participatory processes with society, with the aim of continuously improving climate risk management actions and identifying measures to promote adaptation and reduce impacts.

There is currently great demand for how adaptation measures can be integrated into political planning and decision-making. However, in many cases government and private sector stakeholders are not yet aware of the need to adapt to climate change or do not have the knowledge of how to do so.

Objective

The project contributes to the three pillars of sustainable development (social, environmental, economic) and aims to support the Brazilian government in the effective implementation of the national climate change adaptation agenda to increase the resilience of society and production systems.



ProAdapta contributes to increasing climate resilience in Brazil at local, regional, and national levels, through capacity development in climate change adaptation

Project name	Providing Support to the Government of Brazil in the Implementation of its National Agenda for Adaptation to Climate Change (ProAdapta)
Commissioned by	Federal Ministry for the Environment, Nature Conservation, Nuclear Safety and Consumer Protection (BMUV)
Implementing partner	Ministry of the Environment and Climate Change (MMA) of Brazil / National Secretary of Climate Change
Country	Brazil
Implementing Agency	Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH
Budget	7 million euros (german government) 1 million euros (brazilian counterpart)
Duration	08/2017 - 03/2025

Partners and approach

In addition to supporting the Ministry of the Environment and Climate Change (MMA) in coordinating management instruments for the national adaptation agenda, throughout its history the project has supported initiatives with the Ministry of Science, Innovation and Technology (MCTI), the Ministry of Transport (MTrans), the former Ministry of Economy (ME), the National Institute for Space Research (INPE), the National Water Transport Agency (ANTAQ), the states of Santa Catarina and São Paulo, the municipalities of Salvador and Santos, the private sector and civil society actors such as the Boticário Group Foundation.

By supporting partners in sectors, states and municipalities, climate governance processes are strengthened within the structures, both horizontally and vertically. Therefore, a central co-benefit that runs through all the results is better inter- and intra-institutional interaction on the topic of adaptation between the partner institutions and other actors involved.

The project's activities are organized around four key themes:

- Climate governance;
- Climate Risk Management;
- Ecosystem-based Adaptation (EbA);
- Business engagement.

Preliminary results along the key themes

Climate governance — Structures, processes and actions through which private and public actors seek to mitigate and adapt to climate change.

- The **MMA** was supported in drawing up the [Monitoring & Evaluation Reports](#) for the National Adaptation Plan (NAP), 2016-2020 cycle, and the capacity-building strategy for the effective implementation of the NAP.
- The project provided support to the **Ministry of Transport** in the revision of the [Sustainability Guidelines](#), and in the inclusion of a specific guideline on climate change.
- Together with the project Support for the [National Agenda for Sustainable Urban Development in Brazil](#) (Andus), the project supported the integration of the climate lens into Master Plans.
- Together with the **São Paulo State Secretariat for the Environment**, Infrastructure and Logistics (SEMIL), the [Climate Adaptation and Resilience Guide for municipalities and regions](#) was developed and tested in 12 municipalities and one metropolitan region.
- The **municipality of Santos** was supported in the development of its municipal climate governance, including the preparation of the [Climate Action Plan](#) (PACS) and the [Municipal Plan for the Conservation and Recovery of the Atlantic Forest](#) (PMMA).
- The **municipality of Salvador** was supported in drawing up its [Climate Action Plan](#) (PMAMC) and launching the [Salvador Climate Change Panel](#).

Climate Risk Management - Plans, actions, strategies or policies to reduce the likelihood and/or magnitude of adverse potential consequences of climate change, based on assessed or perceived risks.

- A [guide was drawn up for conducting climate risk assessments and adaptation measures for port infrastructures](#) with **ANTAQ**.
- Climate Risk and Adaptation assessments were carried out for the ports of [Aratu](#), [Santos](#) and [Rio Grande](#) and with **ANTAQ**.
- An [Annex on Climate Risks was drawn up for the General Guide to Socioeconomic Analysis of the Cost-Benefit of Investment Projects](#) with the former Ministry of the Economy
- Training on Climate Risks and Adaptation was given to more than 200 technicians and decision-makers from various sectors and levels (national, sub-national and corporate) at INPE.
- **INPE**, together with **MCTI**, was supported in including climate data and climate risks for the transport sector and in training sectoral and sub-national users of the [AdaptaBrasil](#) Platform and the [Projections Portal](#).

- The [Impacts and Risks of Climate Change in Brazilian Public Coastal Ports](#) was evaluated with **ANTAQ**, which will continue with the Port - City Initiative, which aims to promote the sustainability of port activities and the climate resilience of ports, cities and associated territories. Also on the transport agenda, the [AdaptaVias project](#) was carried out with the **Ministry of Transport**, in the road and rail modal.
- In collaboration with the **Civil Defense of the state of Santa Catarina** (DCSC), subsidies were provided for assessing climate change in selected climate risk management instruments.
- [Climate modeling data was provided for the Baixada Santista region](#), in the southern part of the state of São Paulo, and updated geodata was provided for the municipalities in this region and the rest.
- Communication tools and approaches on climate risks were developed in local communities and public schools in the **municipalities of Santos and Salvador**.

Ecosystem-based Adaptation (EBA) - The use of ecosystem management activities to increase the resilience and reduce the vulnerability of people and ecosystems to climate change.

- The project supported the **municipality of Santos** in sensitizing representatives from various sectors as well as residents of Monte Serrat, a vulnerable area in the city, to the [design and implementation of an AbE measure](#).
- The **municipality of Salvador** was supported in developing guidelines on green and ecosystem approaches in urban infrastructure planning.

Corporate engagement - involvement of the business community and the productive sector in adaptation actions, through awareness raising, case studies, and strengthening of networks.

- In partnership with the Boticário Group Foundation (FGB), the project integrated the theme of climate change and EbA into water security in the Miringuava River basin, through the [financial planning](#) and [cost-benefit assessment](#) of the Movimento Viva Água initiative.
- Three case studies were carried out with the companies [Sanepar](#), [Elis Brasil](#) and [Schattdecor](#) to build adaptation strategies to help strengthen climate resilience.

Until March 2022, around 3,000 actors from the public and private sectors were trained in topics and approaches related to the project's key topics.

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