

# Building Climate Services and Adaptive Capacities in the Andes

## Swiss contribution to ENANDES+



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Embassy of Switzerland in Peru

Regional Hub Lima SDC

Colombia, Ecuador, Peru, Bolivia, Chile, and Argentina

### Theme

Building Regional Adaptive capacity and resilience to climate variability and change in Vulnerable sectors in the Andes (BRAVA) - Swiss contribution to ENANDES+.

### Partners

World Meteorological Organization (WMO), MeteoSwiss, National Meteorological Services.

### General information

Public weather, water, and climate information services, based on improved forecasting systems, are a critical building block for protection and adaptation measures for all the Earth's inhabitants. Considering the sharp increase in climate impacts worldwide, there is an urgent need to boost capacities to provide better predictions for the design of disaster risk prevention and management. This would significantly increase the resilience of local populations and socio-ecological systems to hydro-climatic hazards. This Swiss contribution will help to strengthen resilience to climate variability and change in the Andean region, reducing the gap between national meteorological and hydrological services of the countries in the region, aligning cooperation and action to global systems.

### Project objective

Increase the resilience of 6 Latin American countries to the increasing impacts of short-term climate variability and long-term climate change.

With the support of Swiss researchers and experts from MeteoSwiss, the project will increase the forecasting capacities of responsible national authorities and support the co-design of weather, water, and climate services across the region, to the benefit of the local population, including the most vulnerable population.

### Beneficiaries

**Direct beneficiaries:** National meteorological services, ministries (Environment, Agriculture, Disaster Risk Management), academic institutions, private companies.

**Final beneficiaries:** The "last mile" of the value chain: local populations in the Andean region, including the most vulnerable populations.

### Budget

CHF 13'332'250  
CHF 7'432'250 (56%) UN Adaptation Fund  
CHF 5'900'000 (44%) SDC contribution

### Duration

Inception Phase: June 2021 - June 2022  
Phase 1: July 2022 - September 2026



**Knowledge, information, and scientific evidence on weather, water, and climate are increasingly needed to react to the challenges and opportunities presented by climate change. This is essential to support targeted decision-making, design adaptation actions, reduce vulnerabilities and increase the resilience of people and socio-ecological systems to increasing hydro-climatic risks.**

The Andes are particularly vulnerable to extreme weather events and climate variability and change. Currently, the process of co-production and dissemination of specific knowledge, information, and services of the World Meteorological Organization (WMO) is weak among the responsible regional institutions and along the value chain. This has various reasons, such as weak institutional capacity and/or lack of adequate resources.

In this regard, there is a need to enhance regional cooperation on climate modelling and to improve interpretation and forecasting capabilities to ensure that decision-makers have timely access to essential information and services.

## General objective

The overall objective is to contribute to improved climate adaptation, disaster risk reduction and increased resilience of local productive sectors, ecosystems, and communities in six Andean countries through improved generation and dissemination of weather, water, and climate information and the provision of related services.

This approach ensures efficiency and complementarity of efforts, resulting in a greater impact across the Andean region in terms of improved national and regional capacities.

SDC's contribution will enable the World Meteorological Organization (WMO) to expand ENANDES+ in 3 ways:

- Introduce Swiss expertise provided by MeteoSwiss and HAFL;
- Foster regional cooperation in transboundary basins between the countries, building on experiences previously generated by SDC;
- Add and support three additional countries (Bolivia, Ecuador, and Argentina).

## Expected outcomes

### Outcome 1.

Strengthening the capacities of the National Hydrometeorological Services (SMNH) and Regional Climate Centres to produce and communicate weather, water, and climate information services.

### Outcome 2.

Institutional coordination has been strengthened and new tools and processes have been incorporated that add value and enable the "translation" of weather, water, and climate information into usable knowledge and services.

### Outcome 3.

Institutions and stakeholders have co-designed and implemented local activities to demonstrate adaptation to climate variability and change through weather, water, and climate information services.

### Outcome 4.

Improved regional coordination and planning have (i) generated positive synergies, (ii) strengthened human capacities in the region, and (iii) synthesised lessons learned that facilitate the scaling up of the project in other contexts.

## CONTACT

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