

# Availability of reliable and high quality weather forecasts. Key tool for the development



### Theme

Adaptation to Climate Change

### Country

Global

### Partners

the World Meteorological Organization (WMO), the Federal Office of Meteorology and Climatology of Switzerland (Meteoswiss), Meteodat, University of Bern (Switzerland), La Molina National Agricultural University, SENAMHI

### General Information

Facing the climate change, the availability of reliable and high quality weather forecasts will become a key tool for decision-making in sectors as agriculture, education, health, tourism, energy and transports

### Project's objective

Availability of reliable and high quality weather forecasts.  
Meteorology and climatology capacity building.

### Beneficiaries

Public authorities and institutions at national, regional and local levels. agricultural companies and public projects. Scientific and academic community. Meteorological services of the western coast of South America.

### Budget

Total: CHF 3'636'500  
COSUDE's contribution: CHF 3'175'000

### Duration

August 2012 – July 2015

### Contact

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During the last years there have been climate changes, particularly at the Andes, that has caused serious disasters for harvests, affecting extremely the economy of rural population, and increasing the levels of malnutrition (which is considerably high in the rural population). Subsistence agriculture is the livelihood source for the rural populations.

Facing the climate change, the availability of reliable and high quality weather forecasts will become a key tool for decision-making in sectors such as agriculture, education, health, tourism, energy and transports

In this regard, the **CLIMANDES Project** focuses on restructuring the science curriculum of the La Molina National Agricultural University (UNALM), and on applied training of meteorologists from the National Meteorology and Hydrology Service of Peru (SENAHMI). Knowledge and skills will be shared and developed, in order to produce and provide climate products and services. These goals will be achieved through the cooperation of SENAHMI, UNALM and the Federal Office of Meteorology and Climatology of Switzerland (MeteoSwiss), with the support of the University of Bern (UniBe), Meteodat, and the World Meteorological Organization (WMO).

Switzerland has a long tradition of humanitarian and technological cooperation related to meteorology and climatology. The Federal Office of Meteorology and Climatology of Switzerland (MeteoSwiss) coordinates Swiss activities in connection with applied training courses, reorganizing the science curriculum in La Molina National Agricultural University, and related activities that help improve climate services in Peru. These activities take place within the context of the Global Framework for Climate Services (GFCS), the Global Climate Observing System (GCOS), the Global Atmosphere Watch (GAW), and also national air quality control and research activities.

At the end of this Project, it is foreseen that the academic education and training for students of master degree in meteorology and climatology will improve considerably in the recent established Regional Training Centre of the WMO. **CLIMANDES** will benefit the scientific education of master students in Peru and neighbor countries of the western region of Latin America. In the medium and long term, trained students and professionals will allow the improvement of weather forecasts and products of National Meteorological and Hydrological Services (NMHS).

**CLIMANDES** is a strategic Alliance between the World Meteorological Organization (WMO), the Federal Office of Meteorology and Climatology of Switzerland (MeteoSwiss), Meteodat, the University of Bern (Switzerland), La Molina National Agricultural University, and the National Meteorology and Hydrology Service of Peru (SENAHMI) that have the technical and financial support of the Swiss Cooperation – SDC.

The **CLIMANDES Project** will assure and provide climate and meteorological information, and will improve the use of such data by Peruvian government institutions at central and regional levels, making this information a vital input for policy decision-making in sectors as agriculture, education, health, tourism, energy and transports. All of this will help to respond to potential climate change scenarios that are already foreseen.



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### **Main components**

The first component consists in strengthening of the Regional Meteorological Training Centre in La Molina National Agricultural University (UNALM), under the support of the World Meteorological Organization (WMO). Through this partnership, meteorology and climatology teachers and professionals receive training and specialization courses. The second component will develop tools and skills to be used by public institutions, in order to use properly the climate information for decision-making in a well-informed and convenient way. Pilot areas for implementing this component are Cusco and Junin (Peru).

### **Objectives**

- Considering possible scenarios regarding climate change, the availability of reliable and high quality weather forecasts will be a key tool for decision-making in strategic sectors for the Andes, such as agriculture, tourism, energy, transports, among others.

- CLIMANDES** will increase the capacity to produce reliable meteorological forecasts and to offer high quality products and climate services that support the decision-making in the above mentioned strategic sectors.

### **Expected Results**

- Meteorology and climatology capacity building for teachers and professional technicians by Regional Training Centers.

- To assure meteorological and climate information, and its use by Peruvian government departments at central and regional levels. This information will serve as a key tool for well-informed and accurate policy decision-making in different sectors such as agriculture, education, health, tourism, energy and transport, regarding different climate change scenarios that are already foreseen.

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### **Additional information**

[www.cooperacionsuizaenperu.org.pe/cosude](http://www.cooperacionsuizaenperu.org.pe/cosude)