Project Climandes phase 2

Climate Services for Development

Theme
Adaptation to Climate change

Country
Peru – Western South America Region

Partners
World Meteorological Organisation (WMO), Swiss Meteorological Service (MeteoSwiss), Peruvian Meteorological and Hydrological Service (SENAMHI)

General information
For tackling climate change, the availability of high quality climate services such as weather and climate forecasts becomes a key tool for decision-taking in sectors like agriculture, education, health, tourism, energy and transport.

Project objective
To provide climate services adapted for users in the Andes in order to improve the socio-economic benefits for the agricultural sector and for society in general.

Beneficiaries
Rural producers and communities in the Cusco and Puno regions; local, regional and national public authorities and institutions. Agricultural enterprises and public projects. The scientific and academic community. The Regional Climate Centre of the West Coast of South America. The national meteorological and hydrological services in the Andean countries.

Budget
Total: CHF 8,825,000
SDC Contribution: Phase 1: CHF 3,325,000
Phase 2: CHF 4,500,000
Other contributions from SENAMHI: CHF 1,000,000

Duration
August 2012 – December 2018

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In view of global challenges like climate change, the availability of reliable, timely and high-quality weather and climate forecasts will be a key tool for decision-taking in sectors like agriculture, education, health, tourism, energy and transport. The new Global Framework for Climate Services (GFCS) established by the World Meteorological Organisation (WMO) in 2009 aims to reduce society's vulnerability to climate-related hazards, in order to achieve the Sustainable Development Objectives by better climate services provision.

In its first phase, **Climandes** highlights outstanding achievements linked to: *(i) strengthening the WMO's Regional Centre for Training in Meteorology (CRFM) established in La Molina Agricultural University (UNALM) in Peru*. The centre has new tools for study plans in sciences and *e-learning* tailored to specific needs of the western region of South America. *(ii) The improved professional competence of the professors and staff of UNALM and SENAMHI*, ensuring better data quality control and standardisation procedures, and climate change indices provision. This has increased SENAMHI's interaction with decision-makers, who are better informed about climate trends.

On the basis of these achievements, the second phase of **Climandes** will be geared to improving the needs of consumers, producers and peasant farmers, by promoting an interface platform put on line on the www.senamhi.gob.pe/climandes website and developing climate services based on weather and climate forecasts in specific sectors such as agriculture, improving socio-economic benefits. **Climandes** will also foster discussion and the capitalisation of these experiences throughout the Andean region, through the Regional Climate Centre of the West Coast of South America of the World Meteorological Organisation.

Climandes is one of the eight projects given priority by the World Meteorological Organisation, for implementing the Global Framework for Climate Services, in an alliance with meteorological services of Switzerland (MeteoSwiss) and Peru (SENAMHI), academia, civil society and the private sector. **Climandes** belongs to the Global Programme Climate Change of Swiss Cooperation (SDC), geared to provide reliable and timely climate services in order to achieve more resilient development in the face of climate variability.

Lines of action

- *Developing climate services* bases on rainfall and drought forecasts, and prototypes for season prediction, depending on user demand.
- *Capacity-building* with climatology professionals and students, to develop high-quality climate services with an initial emphasis on the high Andes.
- *Developing greater awareness about the socio-economic benefits* of applying climate services when formulating public policies and taking decisions.

Expected outcomes

- Climate information for the agriculture sector adapted to users' needs, in order to improve socio-economic benefits, initially stressing the high Andean regions.
- The implementation of quality standards in training professionals in meteorology, and in promoting regionalisation in the Andes, through the *e-learning* tool.
- An established interface platform with users, generating case studies that provide evidence of the socio-economic benefits of climate services.

For further information:

www.senamhi.gob.pe/climandes/
www.cooperacionsuizaenperu.org.pe/cosude