



PROYECTO GLACIARES⁺

Beyond the risks to
opportunities

ABOUT US

Glaciers Project is an initiative of Switzerland – Peru cooperation, under the Global Climate Change Program of the Swiss Agency for Development and Cooperation (SDC), implemented by the consortium CARE Peru – University of Zurich.

The Project has a Board of directors consisting of:

- Water National Authority
- Ministry of Environment

- Regional Government of Lima
- Regional Government of Ancash
- Regional Government of Cusco
- Peruvian Agency for International Cooperation
- Swiss Agency for Development and Cooperation
- University of Zurich
- CARE Peru

ACTIVITIES

Related to the outcome of risk management and opportunities

- Promote public- private investment projects.
- Strengthen mechanisms for disaster risk management and adaptation to climate change.
- To inform and sensitize the authorities and communities about the importance, impacts and opportunities of glacier risk management.
- Strengthen the management of institutions linked to glaciers and their impact.

Related to the institutional outcome)

- Promote the implementation of regional and national adaptation and risk management measures with watershed approach.
- Identify opportunities for sustainable use of water

resources, in cooperation with academia, private and public sector.

- To promote climate change adaptation measures, related to the energy sector.

Related to the result capacity building

- Strengthen public and private stakeholders to generate and apply knowledge.
- Develop and promote joint research and publications at regional and international levels.
- Promote equal cooperation between countries with glaciers; taking as a reference experiences in energy issues, glacial retreat and risk management.

RESULTS



Risks and opportunities management

Promote the implementation of climate change adaptation and risk management projects, from the opportunities that glacier retreat offers, by local and regional governments, and the private sector.



Institutionality

Improve the capacities of public institutions to fulfill their duties on the promotion of adaptation and risks management measures.



Capacity building

Strengthen the capacities of academia and public and private sector, to build knowledge that meets local and global demands in disaster risk management and adaptation to climate change.

What does the glacier retreat?



RISKS

The rapid retreat of glaciers form, in many cases, lakes which can be unstable and cause natural disasters such as floods.



WATER RESOURCES

glaciers are the source of water in the dry season; this water is used both in agriculture as in energy production, drinking water supply, among others. This rapid retreat means less water supply in the future.

Because of this, Glaciers+ Project seeks to build and strengthen capacities for climate change adaptation and risks reduction associated to glacier retreat, while seizes the opportunities of water resources management in the basins of Santa River, in Ancash; Vilcanota – Urubamba River, in Cusco; and Cañete River, in Lima.

ANCASH

The Cordillera Blanca, the largest in the country, has more than 470km². of glacier area.

It houses 755 glaciers.

Its glacier area has retreat 34% in 42 years (1970 – 2012).

This mountain range feeds the Santa River basin.

LIMA

The Cordillera Central has about 50km² of glacier area.

It houses 174 glaciers.

Its glacier area has retreat 55% in 37 years (1970 – 2007).

This mountain range feeds the Cañete River basin.

CUSCO

The Cordillera Vilcanota is the second largest of Peru, with more than 250km² of glacier area.

It houses 374 glaciers.

Its glacier area has retreat 33% in 39 years (1970 – 2009).

This mountain range feeds the Urubamba Vilcanota basin.



71%

of tropical glaciers are located in Peru.



Nevertheless, in the last 40 years, because of climate change, the glacier area of 18 mountain ranges in the country has reduced by

43%

If you have any questions or complaint about Glaciers+ Project, call from a landline to free hotline: 0800 – 14417, or send an email to opinion@care.org.pe

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