



# PROYECTO GLACIARES+

Beyond the risks to opportunities

# GLACIARES+ 2011-2018

A contribution to development resilient to high mountain climate

## RELEVANCE



Glaciare+ responded to the needs of assistance and solution of a gap to face glacier retreat, generating greater understanding of the effects of glacier retreat in the Andes, activates international connection to promote social research and in natural sciences, and greater dialogue between local, regional and national levels.



Approximately **27 million persons** in **12 regions of Peru** depend from the **Peruvian mountain ranges** that head the list of the most vulnerable in the face of climate change.

## EFFECTIVENESS



The flexible and dynamic structure of the Project team promoted educational spaces with multiple functions and scopes in the generation of capacities, the development of local investment projects and the consolidation of inter-institutional cooperation.



Upon completion of the Project, **15 new public management tools** have been made available pública, relevant resources for decision making based on the studies and information generated.

## EFFICIENCY



The project's facilitation role has generated in different actors public Investment projections of considerable magnitude, consistently integrating adaptation to climate change, risks management and water management.



A total of **08 new public investment projects** have been registered in issues relevant to the project, for a total investment of **S/ 68'580,729.00** in addition to the **almost 70 million** registered at the time the baseline was prepared.

## IMPACT



The Glaciare+ Project has promoted innovation, the appropriation of different practices by the population and the authorities, the generation of a critical mass of specialists in glaciology.



These capacities and innovations have set in motion measures to adapt and reduce glacier-related risks to the benefit of **70 804 persons** in Ancash, Cuzco and Lima.

## SUSTAINABILITY



The appropriations and commitments by partner organizations, public and private, evidence the desire to improve and continue the actions promoted, reflected in **15 new public management tools**, relevant resources for decision making, based on the studies and information generated.

## WHAT CAN WE EXPECT FOR THE FUTURE?

Glaciers are the most important fresh water reserve in the world. The changes experienced in the snow and ice cover in the high mountain ranges may severely affect the subsistence means of the people, their health, their integrity and the local, regional and national economy.

50%

In Peru, it is estimated that more than **50% of the glacier surface** above 5,000 m.a.s.l. will have disappeared in the next ten years.



The glacier retreat and seasonal rain variability scenarios generate stress and water insecurity conditions for the high mountain populations and ecosystems. This requires response strategies at regional Andean level, including multipurpose water use approaches.