

PACC PERU – NEW SCIENTIFIC ARTICLE PUBLISHED

UP TO 30% REDUCTION OF PRECIPITATION EXPECTED IN THE CENTRAL ANDES UNTIL 2100



Illustration: PACC Peru – Fostering adaptation to climate change in the Peruvian Andes

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Climate change is an important problem affecting progress towards development. It represents a major challenge for Andean countries like Peru, where livelihoods of the rural population are depending on natural resources. These resources are already affected by multiple stresses such as overexploitation, and the situation is now further aggravated by the additional pressure resulting from a changing climate.

PACC Peru – the Adaptation to Climate Change Programme – is a bilateral cooperation of Switzerland and the Peruvian Ministry for the Environment (MINAM), implemented by a consortia consisting of HELVETAS Swiss Intercooperation and a Swiss scientific support unit led by the University of Zurich. The PACC programme supports adaptation practices in rural areas, develops capacities of key stakeholders involved in adaptation to climate change and it supports advocacy work at different levels. PACC Peru also contributes to improving the scientific base for adaptation to climate change in the Andes, as a sound scientific base and long-term projections are an indispensable precondition for proper adaptation planning.

The findings of precipitation projections for the Andes led by the University of Zurich jointly conducted by international scientists from Switzerland (Universities of Zurich, Fribourg and Berne; Agroscope and Meteodat GmbH), Peru, Argentina and Chile titled '***Facing unprecedented drying of the Central Andes? Precipitation variability over the period AD 1000-2100***' was published in the renowned **Environmental Research Letters** earlier this week (doi:10.1088/1748-9326/10/8/084017). The scientists predict that the seasonal water shortage that already occurs will

further be aggravated – and that the Central Andes might face a reduction of overall precipitation up to 30% until the end of the century.

But have a look at the article yourself:

Download the paper from: http://iopscience.iop.org/1748-9326/10/8/084017/pdf/1748-9326_10_8_084017.pdf

Media release University of Zurich: http://www.mediadesk.uzh.ch/articles/2015/in-zukunft-gibt-es-in-den-zentralen-anden-bis-zu-30-prozent-weniger-niederschlaege_en.html

Check out the selection of international media coverage:

United Press International: http://www.upi.com/Science_News/2015/08/17/Study-Andes-to-lose-a-third-of-its-precipitation-by-2100/3481439828424/

ScienceNewline: <http://www.sciencenewline.com/articles/2015081723390063.html>

NZZ Wissenschaft (*in German only*): <http://www.nzz.ch/wissenschaft/klima/auch-in-den-anden-wird-es-trocken-1.18597481>

Or visit the PACC Peru website: www.paccperu.org.pe/?l=en