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A comparison between observed and Modeling for the Central Andes of Perù for analysis with scenarios.

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The central Andes of Perù (10-16˚S, 74-77˚W) was modeled for the future climate (2045-2055) in a period where global change effects will be evident. The purpose was to anticipate impacts from these changes and how people can adapt. The baseline simulated for the global model (1990-1999) indicated a great difference between the observed and modeled climate. Then the climate was modeled with a regional model (RegCM) taking as initial conditions the output of NCAR model CCSM with scenarios to improve the results. The results indicate an improvement in reproducing the tendency observed by the stations of the region, which improves confidence in the model results for future conditions