Record Nr. UNINA9910811921403321 Autore Vergara Walter <1950-> Titolo Assessment of the impacts of climate change on mountain hydrology:: development of a methodology through a case study in the Andes of Peru / / Walter Vergara ... [and others] Washington, DC:,: World Bank,, [2011] Pubbl/distr/stampa copyright 2011 **ISBN** 1-283-06606-8 9786613066060 0-8213-8663-8 Descrizione fisica xix, 157 pages: illustrations;; 26 cm Collana A World Bank study Disciplina 551.480985/09143 Soggetti Mountain hydrology - Peru Watershed hydrology - Peru Bioclimatology - Peru Climatic changes - Peru Santa River (Peru) Climate Case studies Mantaro River (Peru) Climate Case studies Rimac River (Peru) Climate Case studies Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Includes bibliographical references. Nota di bibliografia Nota di contenuto Cover; Title Page; Copyright; Contents; Foreword; Acknowledgments; Executive Summary; Acronyms and Abbreviations; Chapter 1 -Introduction; Chapter 2 - Context; Chapter 3 - Climate Analysis; Chapter 4 - Hydrology Analysis; Chapter 5 - Testing the Hydrology Tool at Basin Level; Chapter 6 - Results from the Hydrology Analysis; Chapter 7 - Conclusions; References; Appendixes; Back Cover Sommario/riassunto Climate change is beginning to have effects on climate, weather and resource availability in ways that need to be anticipated when planning for the future. In particular, changes in rainfall patterns and temperature may impact the intensity or schedule of water availability. Also the retreat of tropical glaciers, the drying of unique Andean

wetland ecosystems, as well as increased weather variability and

weather extremes will affect water regulation. These changes have the potential to impact the energy and other sectors, such as agriculture, and could have broader economic effects. Anticipatin