

## Climate Variability and Household Welfare in the Andes

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### Presentations

- Gilles, J., S. Materer, and C. Valdivia. 2001 (forthcoming). "Re-evaluating Climate Forecasting: Lessons from Indigenous Systems." *64<sup>th</sup> Rural Sociological Society Meetings*, August 15-19. Albuquerque New, Mexico. Abstract available.
- Gilles, J. 2001. "Indigenous Knowledge and Climate in the Andes" Presentation made for the Environmental Sociology Seminar Series on March 9, Department of Rural Sociology, MU, Columbia.
- Valdivia, C., C. Jetté, R. Quiroz, J. Gilles, and S. Materer. 2000. "Peasant Household Strategies in the Andes and Potential Users of Climate Forecasts: El Niño of 1997-1998." *American Agricultural Economics Association Selected Papers*. July 30- August 2. Tampa, Florida. Paper and abstract available.
- Gilles, J., F. Galindo, C. Valdivia, and S. Materer. 2000. "Knowing the Future: Climate Forecasting, Farmers and the Food System." *63<sup>rd</sup> Rural Sociological Society Meetings*, August 14-18. Washington D.C. Abstract and paper available.
- Valdivia, C. 2000. "Climate variability and household welfare in the Andes." At session Climate & Agriculture Studies in Uruguay, Bolivia, and SE USA Aplicación de Pronósticos Climáticos en Agricultura: Métodos, Experiencias y Oportunidades en América Latina. IAI - CIP conference: May 16-17. Lima, Peru.
- Materer, S. Household Production Strategies in a Climatic Variable Zone. Working Paper on the use panel data with 1993 and 1995 data sets. Mimeograph. Dpt. Ag. Economics. MU.
- Valdivia, C., J. L. Gilles and Susan Materer. 2000. Climate variability, a producer typology and the use of forecasts: Experience from Andean semiarid small holder producers. IRI Forum on Climate Prediction, Agriculture and Development, Palisades, April 26-28.
- Valdivia, C. 2000. Climate Variability and Household Welfare in the Andes. *Seminar Series*, Department of Agricultural Economics, MU. March 3<sup>rd</sup>.
- Gilles J. and C. Valdivia, 1999. San José Llanga Producers and NOAA Climate Variability Project. Presentation, Environmental Sociology Group, December 10, Sociology, MU.
- Quiroz, R. 1999. Methodologies for Interdisciplinary Multiple Scale Perspectives. SAAD III (Symposium on Systems Approaches for Agricultural Development) Universidad Nacional Agraria, La Molina, Lima. November, 8 - 10. 1999
- Valdivia, C. 1999. Differences in the Environmental Justice Discourses of Brazil and Peru. Discussant. Workshop on Public Philosophy, Environment and Social Justice. Environmental Justice Discourses. Carnegie Council on Ethics and International Affairs, Merrill House, New York. October 21-22.
- Valdivia, C 1999. Climate Variability, Household Strategies and Technology in the Andes. National Oceanic and Atmospheric Administration, Office of Global Programs. Seminar, September 15. Washington DC.

Valdivia, C. 1999. Climate Variability and Household Welfare in the Andes: Farmer adaptation and use of weather forecasts in decision making." The Human Dimensions Meeting of the National Oceanic and Atmospheric Administration, April 26-28, Tucson, AZ.

### **Publications**

- Valdivia, C. and J. Gilles. 2001. "Gender and Resource Management: Households and Groups, Strategies and Transitions." *Agriculture and Human Values*. 18 (1): 5-9.
- Valdivia, C., J. L. Gilles, and S. Materer. 2000. "Climate Variability, A Producer Typology and the Use of Forecasts: Experience From Andean Semiarid Small Holder Producers." *Proceedings of the International Forum on Climate Prediction Agriculture and Development*. International Research Institute for Climate Prediction. Palisades, New York. pp. 227-239.

### **Abstracts**

- Valdivia, C., J. L. Gilles, and S. Materer. 2000. "Climate Variability, A Producer Typology and the Use of Forecasts: Experience From Andean Semiarid Small Holder Producers." *Proceedings of the International Forum on Climate Prediction Agriculture and Development*. International Research Institute for Climate Prediction. Palisades, NY p.31.

### **Working Papers**

- Valdivia, C., C. Jetté, R. Quiroz, J. Gilles and S. Materer. 2001. "Peasant Household Strategies in the Andes and Potential Users of Climate Forecasts: El Niño of 1997-1998." Agricultural Economics Working Paper AEW-2001-4. Department of Agricultural Economics, University of Missouri. Columbia, MO.
- Materer, S., C. Valdivia and J. Gilles. 2001. "Indigenous Knowledge Systems: Characteristics and Importance to Climatic Uncertainty." AEW-2001-03. Department of Agricultural Economics, University of Missouri. Columbia, MO.
- Materer, S. and C. Valdivia. 2000. "Analysis of a Climatically Variable Production season." AEW-2000-10. Dept. of Agricultural Economics, University of Missouri. Columbia, MO.
- Materer, S. and C. Valdivia. 2000. "Household Production Strategies in a Climatic Variable Zone." AEW-2000-9. Dept. of Ag. Economics, University of Missouri. Columbia, MO.

### **Reports** (field research reports and reviews/positions papers)

- Claverias, R. 2000. "Conocimientos de los Campesinos Andinos sobre los Predictores Climáticos: Elementos para su verificación." (Andean Peasants' Climate Forecast Knowledge: Elements to verify these knowledge). Mimeograph.
- Espejo, R., J. Gilles, C. Valdivia, and C. Jetté. 2001. "Estudio de Redes de Información Climática en San José." (Networks of Climatic Information in San José Llanga.) Mimeograph.
- Carrillo, R. 2001. "Monitoreo de Variedades y Pronósticos Climáticos. Informe de actividades de campo." Mimeograph. PROINPA. March. La Paz.
- Carrillo, R. 2000. "Reporte de La Gestion 1999-2000. Introducción de cuatro variedades de papa en el cantón San José Llanga." Mimeograph. PROINPA. December. La Paz.

- Valdivia, R. 2001. "Informe Preliminar de Avance Variabilidad Climática y Bienestar Familiar-Perú." Mimeograph. CIRNMA. April. Puno.
- Quiroz, R. 2001. "Scenari Analysis with Process Based Model." Mimeograph. CIP. April. Lima.

### **Workshop Organized**

*Climate Variability and Family Welfare in the Andean Region: Family Adaptation and the Use of Climate Forecasts in Decisions Making.* Panel meeting of researchers and experts, organized in collaboration with the International Potato Center and Centro de Investigación de Recursos Naturales y Medio Ambiente (CIRNMA). July 10-12, Puno Peru. 2000.

### ***Presentations***

- Valdivia, C. 2000. "Climate Variability and Household Welfare: A Theoretical Framework." Taller: Variabilidad Climática y Bienestar Familiar en la Zona Andina. (Workshop: Climatic Variability and Family Welfare in the Andean Zone.) July 10-12. Puno, Peru. Abstract available.
- Valdivia, C. 2000. "Profiles of Users of Climate Forecasts: Experience from San José Llanga." Taller: Variabilidad Climática y Bienestar familiar en la Zona Andina. (Workshop: Climatic Variability and Family Welfare in the Andean Zone.) July 10-12. Puno, Peru. Abstract available.
- Materer, S. 2000. "Production Strategies under Risk: The Case of San José Llanga." Taller: Variabilidad Climática y Bienestar Familiar en la Zona Andina. (Workshop: Climatic Variability and Family Welfare in the Andean Zone.) July 10-12. Puno, Peru. Abstract.
- Lagos, P. 2000. "Andean Climate Forecasting." Taller: Variabilidad Climática y Bienestar Familiar en la Zona Andina. (Workshop: Climatic Variability and Family Welfare in the Andean Zone.) July 10-12. Puno, Peru.
- Claverias, R. 2000. "Knowledge of Andean Farmers About Climate Predictions: Elements to verify these." Taller: Variabilidad Climática y Bienestar Familiar en la Zona Andina. (Workshop: Climatic Variability and Family Welfare in the Andean Zone.) July 10-12. Puno, Peru. Abstract and paper available.
- Baigorria, G. 2000. "Crop Simulation Models and Applications." Taller: Variabilidad Climática y Bienestar Familiar en la Zona Andina. (Workshop: Climatic Variability and Family Welfare in the Andean Zone.) July 10-12. Puno, Peru.
- Jetté, Christian. 2000. "Factors Related to Poverty in the Altiplano." Taller: Variabilidad Climática y Bienestar Familiar en la Zona Andina. (Workshop: Climatic Variability and Family Welfare in the Andean Zone.) July 10-12. Puno, Peru. Abstract available.
- Choquevilca, J. 2000. "SINSAAT, Food Security and Early Warning Systems in Bolivia." Taller: Variabilidad Climática y Bienestar Familiar en la Zona Andina. (Workshop: Climatic Variability and Family Welfare in the Andean Zone.) July 10-12. Puno, Peru.
- Quiroz, R. 2000. "Dairy Production in the Bolivian Altiplano, and future Developments." Taller: Variabilidad Climática y Bienestar Familiar en la Zona Andina. (Workshop: Climatic

- Variability and Family Welfare in the Andean Zone.) July 10-12. Puno, Peru.
- Carrillo, R. 2000. "Introduction of Frost Tolerant Potato Varieties in San José Llanga." Taller: Variabilidad Climática y Bienestar Familiar en la Zona Andina. (Workshop: Climatic Variability and Family Welfare in the Andean Zone.) July 10-12. Puno, Peru.
- Carrillo, R. 2000. "The Agricultural Calendar, Decisions and Climate: Experiences from San José Llanga in 1999." Taller: Variabilidad Climática y Bienestar Familiar en la Zona Andina. (Workshop: Climatic Variability and Family Welfare in the Andean Zone.) July 10-12. Puno, Peru.
- Valdivia, R. 2000. "A Preliminary Assessment of Potential Research Sites in Puno." Taller: Variabilidad Climática y Bienestar Familiar en la Zona Andina. (Workshop: Climatic Variability and Family Welfare in the Andean Zone.) July 10-12. Puno, Peru. Abstract available.

### **Thesis Research**

- Susan Materer. Thesis "The Role of Potato Production in Diversified Household Economic Portfolios: Study of San José Llanga, Bolivia" M Sc Agricultural Economics. Expected graduation Summer 2001.
- Cheston Easter. Thesis Proposal "Markets and Effect of Transaction Costs on Household Participation in the Southern Highland Region of Peru." M Sc Agricultural Economics. Proposal to the Dorris D. and Christine M. Brown Research Fellowship, International Agriculture Programs. Expected field work June-August, 2001.