

Daniel E. Osgood

Lead Scientist, Financial Instruments Sector Team
Associate Research Scientist in Economic Modeling and Climate
International Research Institute for Climate and Society
Phone: 845 680 4461

Professional Preparation

UCSC	Economics	BA 1992
UCB	Electrical Engineering and Computer Science	BS 1992
UCB	Agricultural and Resource Economics	MS 1995
UCB	Agricultural and Resource Economics	PhD 1999

Appointments

2004-	The International Research Institute for Climate Prediction, Earth Institute, Columbia University. Research Scientist, Lead Scientist of Financial Instruments Sector Team
2000-2004	University of Arizona. Agricultural and Resource Economics Assistant Professor and Assistant Specialist
2000	University of California, Berkeley. Agricultural and Resource Economics Visiting Assistant Economist.
2000	Food and Agriculture Organization of the United Nations Special Services Consultant.

Selected Publications, Presentations, and Activities

Design, planning, capacity building, and technical evaluation for index insurance pilots in over a dozen countries. Tens of thousands of smallholder farmers have purchased these contracts.

Web-Based Index Insurance Educational Tool, Principal investigator
(<http://iri.columbia.edu/wiiet>).

"Paleoclimate histories improve access and sustainability in index insurance programs" Andrew R. Bell, Daniel Osgood, Benjamin I. Cook, Kevin J. Anchukaitis, Geoffrey McCarney, Arthur Greene, Brendan M. Buckley, and Edward R. Cook. *Global Environmental Change* in Press, 2013

"About time: An integrative approach to effective environmental policy" David J. Hardisty, Ben Orlove, David H. Krantz, Arthur A. Small, Kerry F. Milch, Daniel E. Osgood. 22(3):684-694, (August, 2012)

"Quantifying spatial basis risk for weather index insurance" Michael Norton, Daniel Osgood, and Calum Turvey *The Journal of Risk Finance* 14(1):20-34 (2013)

"The Advantages of Resource Queues over Spot Resource Markets: Decision Coordination in Experiments under Resource Uncertainty" Fonseca, M., A Pfaff, and Daniel Osgood. *American Journal of Agricultural Economics* 94(5):1136-1153; doi: 10.1093/ajae/aas065 (2012)

"Index Insurance, Production Practices, and Probabilistic Climate Forecasts" Miguel Carriquiri and Daniel Osgood *Journal of Risk and Insurance*, Vol. 79, Issue 1, pp. 287-300, 2012 "Value of Information and Weather Index Insurance" Daniel Osgood and Kenneth Shirley. Invited for inclusion in forthcoming edited volume commissioned by Resources For the Future.

“Science-based insurance” Molly Brown, Daniel Osgood, and Miguel Carriquiry. *Nature Geoscience* Vol 4, April 2011 213-214

INSURANCE AS AN ADAPTATION OPTION UNDER UNFCCC BACKGROUND PAPER , Final Version Zurich, 27th July 2010, Project PI. Othmar Schwank, Myriam Steinemann (INFRAS), Haresh Bhojwani, Eric Holthaus, Michael Norton, Daniel Osgood, Jessica , Sharoff (International Research Institute for Climate and Society, Columbia University), David Bresch, Andreas Spiegel (SwissRe).

IRI Technical Report 10-08: HARITA IRI Report to Oxfam America. Final Report for IRI MIEL Planning & Technical Support for HARITA Micro-Insurance Pilot USA 536 / 09. June 2010. Project PI. Chen, J. ;Dinku, T. ;Holthaus, E. ;Lyon, B. ;Madajewicz, M. ;Mullaly, C. ;Norton, M. ;Osgood, D. ;Pascualini, A. ;Pant, S. ;Peterson, N. ;Saavedra, R. ;Sharoff, J. ;Shirley, K. E. ;Small, C. ;Stiffel, S. ;Teh, T.-L. <http://iri.columbia.edu/publications/id=1002>

“Disease Forecasts and Livestock Health Disclosure: a Shepherd’s Dilemma” *American Journal of Agricultural Economics*. Outstanding Article 2010-Honorable Mention awarded July 2011. 2010; doi:10.1093/ajae/aap042 Glenn Sheriff and Daniel Osgood.

“Long-Term Consequences of Short-Term Precipitation Shocks: Evidence from Brazilian Migrant Households” with Valerie Mueller. *Agricultural Economics*. 40(6), Sep 2009.

“Long-term Impacts of Droughts on Labor Markets in Developing Countries: Evidence from Brazil” with Valerie Mueller. *Journal of Development Studies*. Vol 45. No 10. 1-13. 2009.

Hellmuth M.E., Osgood D.E., Hess U., Moorhead A. and Bhojwani H. (eds) 2009. Index insurance and climate risk: Prospects for development and disaster management. *Climate and Society* No. 2. International Research Institute for Climate and Society (IRI), Columbia University, New York, USA. Foreword by Kofi Annan.

“Workshop Technical Issues in Index Insurance” Co-organizer, presenter of “Technical issues in contract design.” co-editor of workshop technical briefs, IRI, Oct 2008.

“High Level Roundtable on Index Insurance for Poverty Reduction and Climate Risk Management.” Co-organizer. Held in cooperation with the Global Humanitarian Forum, chaired by Kofi Annan, and the Roundtable outputs fed into GHF declaration and Outcomes. June, 2008. Geneva.

“Index Insurance for Climate Risk Management and Poverty Reduction: Topics for Debate.” contributor. Framing paper for “Index Insurance for Climate Risk Management and Poverty Reduction.” Held in cooperation with the Global Humanitarian Forum. Geneva, Switzerland. June 2008.

“Integrating seasonal forecasts and insurance for adaptation among subsistence farmers: The case of Malawi” with Pablo Suarez, James Hansen, Miguel Carriquiry and Ashok Mishra World Bank Policy Research Working Paper 4651. June 2008.

Working Paper No 89 (November 2007) African Development Bank “Index insurance and climate risk management in Malawi.” International Research Institute for Climate and Society 2004-2006 report.