

Publications on Population

Peer-Reviewed Articles

D. López-Carr, N.G. Pricope, J. Aukema, C. Funk, M. Jankowska, G. Husak, and J. Michaelsen (2014). [A spatial analysis of population dynamics and climate change in Africa: Potential vulnerability hot spots emerge where precipitation declines and demographic pressures coincide.](#) *Population and Environment* 35 (3), 323-339.

A. López-Carr and D. López-Carr (2014). [Environment and Food or Population, Health, Environment, and Food?](#) *Sociologia Ruralis* 54 (1), 101-104.

Pricope, N. G., G. Husak, C. Funk, López-Carr, D., and J. Michaelsen (2013). [The climate-population nexus in the East African Horn: emerging degradation trends in rangeland and pastoral livelihood zones.](#) *Global Environmental Change* 23 (6), 1525-1541.

Davis J., López-Carr D. (2014) [Migration, Remittances and Smallholder decision-making: Implications for Land Use and Livelihood Change in Central America](#) *Land Use Policy* 36, 319-329.

López-Carr, D. (2013). [Do Population-Health-Environment \(PHE\) initiatives work? Evidence from WWF-sponsored projects in Africa and Asia.](#) Proceedings of the International Union for the Scientific Study of Population (IUSSP). Busan, Korea, August, 2013. Pp. 6.

Côrtes, J.C., L.K. Suter, A. D'Antona, D. López-Carr (2013). [Population mobility and land fragmentation: land use-cover change in Brazil and Guatemala.](#) Proceedings of the International Union for the Scientific Study of Population (IUSSP). Busan, Korea, August, 2013. Pp. 4.

Bremner, J., López-Carr, D., A. Zvoleff, N. Pricope (2013). [Using new methods and data to assess and address population, fertility, and environment links in the Lake Victoria Basin.](#) Proceedings of the 2013 International Union for the Scientific Study of Population (IUSSP). Busan, Korea, August, 2013. Pp. 15.

D. López-Carr, Ervin, D. A. López-Carr (2013). [The effects of population and land cover change on food security in Latin America from 1961 -2011.](#) Proceedings of the 2013 International Union for the Scientific Study of Population (IUSSP). Busan, Korea, August, 2013. Pp. 7.

López-Carr, D. and J. Burgdorfer (2013) ["Deforestation Drivers: Population, Migration, and Tropical Land Use."](#) *Environment: Science and Policy for Sustainable Development* (55)1: 3-11.

López-Carr, D. (2012). [Agro-ecological determinants of rural out-migration to the Maya biosphere reserve, Guatemala](#). *Environmental Research Letters*. (7)4: 045603. pp: 7.

López-Carr, D., N. G. Pricope (co-first author), M. M. Jankowska, C. Funk, G. Husak, and J. Michaelsen (2012). [Mapping population vulnerability to climate change in Africa](#). Proceedings of the International Seminar on Population Dynamics and the Human Dimensions of Climate Change. Canberra, Australia, 27-29 November 2012.

Suter, L. and D. López-Carr. (2012). [Beyond the middle of nowhere: out-migration from the agricultural frontier in the Sierra del Lacandón National Park, Guatemala](#). Proceedings of the Latin American Studies 2012 International Congress. pp 1-25.

Jankowska, M., D. López-Carr (2012). [Climate Change and Human Health: Contextual and Compositional Effects of Climate, Livelihoods, and Population Change on Child Malnutrition in Mali, Africa](#). Papers of the 2012 Population Association of America Annual Conference. May 3-5, San Francisco, CA.

Honzak, C., D. López-Carr (2012). [Conservation and Family Planning: What is the Value of Integrating Family Planning into Conservation Projects?](#) Papers of the 2012 Population Association of America Annual Conference. May 3-5, San Francisco, CA.

López-Carr, D. and D. Ervin (2012). [A Geriatric Fountain of Youth in the Caucuses or Spurious Census Data: Spooning through the Yogurt Myth](#). *Journal of Rural Studies* (27): 135-149.

Frank, E., H. Eakin, and D. López-Carr (2011). [Social Identity, Perception and Motivation in Adaptation to Climate Risk in the Coffee Sector of Chiapas, Mexico](#). *Global Environmental Change* (21) 1 : 66-76.

Bremner, J., D. López-Carr, L. Suter, J. Davis (2010). [Population, Poverty, Environment, and Climate Dynamics in the Developing World](#). *Interdisciplinary Environmental Review* (11) 2-3: 127-161.

Davis, J.D. and D. López-Carr (2010). [The Effects of Migrant Remittances on Population-Environment Dynamics in Migrant Origin Areas: International Migration, Fertility and Consumption in Highland Guatemala](#). *Population and Environment* 32: 216–237.

D. Ervin, D. López-Carr, A. López-Carr, (2010). [Population, Agriculture and Land Use: Implications for Food Security in Latin America](#). Proceedings of the Tropentag 2010 World Food System Annual Conference. September 14 – 16, 2010, Zurich, Switzerland. 5 pp. (working paper).

Davis, J., D. López-Carr, and J. Weeks (2010). [Migration, Remittances, and Cattle: Implications for Land Use Change and Food Security in Central America](#). *Papers of the Global Land Project Open Science Meeting*. Arizona State University. 17-19 October. (Also accepted for publication in the *Proceedings of the Tropentag 2010 World food System Annual Conference*).

López-Carr, D., M Erdman, A. Zvoleff, L. Suter (2010). [How are population patterns different in ecological priority areas? Mapping demography onto conservation areas](#). Proceedings of the European Population Conference. September 1-4, 2010, Vienna, Austria.

Davis, J. and D. López-Carr (2010). [The Effects of Migrant Remittances on Consumption in Highland Guatemala](#). Proceedings of the European Population Conference. September 1-4, 2010, Vienna, Austria. 14 pp.

Pan, WK, and D. López-Carr (2010). [Population, Multi-scale Processes, and Land Use Transitions in the Amazon](#). Proceedings of the European Population Conference. September 1-4, 2010, Vienna, Austria. 40 pp.

Carr, D. L. (2009). [Population, rural development, and land use among settler households in an agricultural frontier in Guatemala's Maya Biosphere Reserve](#). *Journal of Global and International Studies* 1(1): 51-69.

Carr, D.L., A.C. Lopez, R.E. Bilsborrow (2009). [The population, agriculture, and environment nexus in Latin America: country-level evidence from the latter half of the twentieth century](#). *Population and Environment* 30: 222-246.

Carr, D.L. (2008). [Population and Deforestation: Why Rural Migration Matters](#). *Progress in Human Geography* 33 (3): 355-378.

Davis, J., and D.L. Carr (2009). [Flowing wealth, circulating labor, and reproduction in Central American households](#). *Papers of the 2009 Population Association of America Annual Conference*. April 17-19, Detroit, MI. 15 pp.

Pan, WK, D. Ramachandran, and D.L. Carr (2009). [Shifts in determinants of fertility among women living in the Amazon](#). *Papers of the 2009 Population Association of America Annual Conference*. April 17-19, Detroit, MI. 4 pp.

Barbieri, A., D.L. Carr, and RE Bilsborrow (2009). [Migration Within the Frontier: The Second Generation Colonization in the Ecuadorian Amazon](#). *Population Research and Policy Review* 28(3): 291-320.

K. Grace and D.L. Carr (2008). [Fertility in Petén, Guatemala: The Impact of the Individual, the Household and the Context on Fertility Behavior](#). *Papers of the 2008 Population Association of America Annual Conference*.

K. Grace, S.H. Sweeney, and D.L. Carr (2008). [A Spatial and Temporal Analysis of Fertility in Guatemala](#). *Papers of the 2008 Population Association of America Annual Conference*.

Carr, D. L. (2008). [Migration to the Maya Biosphere Reserve, Guatemala: Why place matters](#). *Human Organization*. 67(1):37-48.

Carr, D. L. (2007). [Resource Management and Fertility in Mexico's Sian Ka'an Biosphere Reserve: Campos, Cash, and Contraception in the Lobster-fishing Village of Punta Allen](#). *Population and Environment*. 29(2): 83-101.

De Sherbinin, A, D.L. Carr, S. Cassels, L. Jang. (2007). [Population and environment](#). *Annual Review of Environment and Resources*. 32(5):1-29.

Carr, D. L. W. K. Pan and R.E. Bilsborrow (2006). [Declining fertility on the frontier: The Ecuadorian Amazon](#). *Population and Environment*. 28(1): 17–39.

Carr, D.L., L. Suter, A. Barbieri, (2006). [Population dynamics and tropical deforestation: State of the debate and conceptual challenges](#) . *Population and Environment*. 27(1): 89 – 113.

Carr, D.L. and A. Barbieri (2006). [Población, tenencia de tierra, uso del suelo, y deforestación en el Parque Nacional Sierra de Lacandón](#). *Journal of Latin American Geography*. 5(1): 97-112.

Carr, D. L. (2006). [A tale of two roads: Land tenure, poverty, and politics on the Guatemalan frontier](#) . *Geoforum*. 37(1): 94-103.

Barbieri, A., DL Carr, RE Bilsborrow (2006). [Out-migration of second generation frontier colonists and population redistribution in the Ecuadorian Amazon](#) . XXV IUSSP General Conference, Tours, France, July 2005. Pp 1-22. (Peer-reviewed extended abstract).

Barbieri, A. and D.L. Carr (2005). [Gender-specific out-migration, deforestation and urbanization in the Ecuadorian Amazon](#). *Global and Planetary Change*. 47 (2-4): 99-110.

Carr, D. L. (2004). [Proximate population factors and deforestation in tropical agricultural frontiers](#). *Population and Environment*. 25(6): 585-612.

Sutherland, E, D.L. Carr, and S. Curtis (2004). [Fertility and the environment in a natural resource dependent economy: Evidence from Petén, Guatemala](#) . *Población y Salud en Mesoamérica*. 2(1):

1-12. Reprinted in *Población y Salud en Mesoamérica*. (2005). Ed. R. Chinchilla Arley. San José, Costa Rica: Centro Centroamericano de Población. Pp. 291-304. Reprinted in California Center for Population Research (2005). *The Population of the Central American Isthmus in 2003*. Conference Papers. University of California at Los Angeles. Pp 1-14.

Carr, D. L. (2003). [Migración rural-rural y deforestación en la Reserva de la Biosfera Maya, Guatemala: Método de Entrevistas](#). *Tiempos de America: Revista de Historia, Cultura y Territorio*. Centro de Investigaciones de America Latina (CIAL), Universitat Jaume I. (10)19-27.

Pan, WK, D. Ramachandran, D.L. Carr (2003). [Multilevel factors influencing fertility on the agricultural frontier: a longitudinal analysis of women in the Northern Ecuadorian Amazon](#). *Papers of the 2003 Population Association of America Annual Conference*. Minneapolis, MN, May 1-3.

D.L. Carr, W. Pan, R.E. Bilborrow, and C. Suchindran (2003). [Un análisis de multi-nivel de población y deforestación en El Parque Nacional Sierra de Lacandón, Petén, Guatemala](#). *Tercera Conferencia Internacional: Población del Istmo Centroamericano*. Garabito, Costa Rica. Pp. 1-17. (<http://ccp.ucr.ac.cr/noticias/conferencia>)

Carr, D.L., R.E. Bilborrow, and A. Barbieri (2003). [Population, agricultural land use and the environment in Latin America at the dawn of the 20th century: Evidence of change at the regional, national, and local scales](#). *Proceedings of the Open Meeting of the Human Dimensions of Global Environmental Change Research*. Montreal, Canada. October 16-18. (Peer-reviewed extended abstract).

Carr, D.L. and R.E. Bilborrow (2001). [Population and land use/cover change: A regional comparison between Central America and South America](#). *Journal of Geography Education*. 43: 7-16.

Carr, D.L. (2000). [Colonization, clear-cutting, and cornfields: Rural migration and deforestation in the Sierra de Lacandón National Park \(SLNP\), Guatemala](#). *Proceedings of the Conference of the Latin American Studies Association of America*, March, 2000, Miami, FL (Peer-reviewed extended abstract).

Carr, D.L. (2001). [Population, land use, and deforestation in the Sierra de Lacandón National Park, Petén, Guatemala](#). *Proceedings of the 2001 Open Meeting of the Human Dimensions of Global Environmental Change Research*. Available on CD-ROM. Rio de Janeiro, Brazil, October 6-8, 2001. (Peer-reviewed extended abstract).

Book Chapters

Ervin, D. and D. López-Carr (2012). [U.S. Poverty: Poverty and Latino immigration in the United States](#). United States Geography. ABC-CLIO, 2012. Web. 1 Nov. 2012.

Bremner, J., J. Davis, D.L. Carr. (2012). [Population Growth, Ecology, and Poverty](#). In *Integrating Ecology and Poverty Reduction*. J. C. Ingram, F. DeClerck and C. Rumbaitis del Rio eds., Springer: New York. Pp. 65-78.

Gellert, G., (PI) Carr, D.L., I.C. Valenzuela, S.I. Rodríguez de Cuavas, K. Slowing (collaborators) (2004). [La dinámica poblacional](#). In *Perfil Ambiental de Guatemala*. Ed. Claudio Cabrera. Guatemala: Universidad Rafael Landívar e Instituto de Incidencia Ambiental. Pp. 257-288.

Carr, D.L. (2003). [Administración de recursos naturales y fecundidad en la Reserva de la Biósfera de Sian Ka'an, México: campos y anticoncepción en el pueblo langostero de Punta Allen](#). In *Género y medio ambiente en México, Centroamérica y el Caribe*. Ed. E. Tuñón Pablos. Mexico City: Editorial del Colegio Sur de México. P. 179-204.

Carr, D.L. (2002). [The role of population change in land use and land cover change in rural Latin America: Uncovering local processes concealed by macro-level data](#) . In *Land Use Changes in Comparative Perspective*. Eds. Y. Himiyama, M. Hwang, and T. Ichinose. Plymouth, UK: Science Publishers. p. 133-148.

Carr, D. L. (2001). [Población, uso del suelo, y deforestación en el Parque Nacional Sierra de Lacadón, Petén, Guatemala](#) . In *Población del Istmo 2000: Familia, migración, violencia y medio ambiente*. Ed. L. R. Bixby. San José, Costa Rica: Centro Centroamericano de Población. p. 361-82.

Bilsborrow, R. E. and D. L. Carr. (2001). [Population, agricultural land use and the environment in developing countries](#) . In *Tradeoffs or Synergies? Agricultural Intensification, Economic Development and the Environment*. D. R. Lee and C. B. Barrett, eds. Wallingford, U.K.: CAB International. p. 35-56.

Carr, D.L. (2000). [Un perfil socioeconómico y demográfico del Parque Nacional Sierra de Lacadón](#) . In *Nuevas Perspectivas de Desarrollo Sostenible en Petén*. Eds. J. Grunberg y S. Elias. Guatemala City, Guatemala: Facultad Latinoamericana de Ciencias Sociales (FLACSO). p. 93-106.

Book Reviews

D.L. Carr (2009). [Population, Land Use and the Environment: Research Directions](#). The National Research Council of the National Academies. Barbara Entwistle and Paul C. Stern, editors (2005). The National Academies Press. Washington, DC. 321 pp. Woodrow Wilson International Center for Scholars. Environmental Change and Security Program Annual Report: Issue 13.

Books, Reports, and Manuscripts

D. López-Carr (2010). [Urbanization, Climate Change, and Indigenous Populations: Finding USAID's Comparative Advantage](#). Woodrow Wilson International Center for Scholars. Environmental Change and Security Program.

Carr, D. L., M. Erdman, and A. Zvoleff (2010). [Mapping Population onto Priority Conservation Areas](#). WWF PHE Series. 73 pp.

Carr, D. L. (2008). [Population, Health, and Environment in Africa and Asia: An evaluation of WWF's USAID and Johnson & Johnson-supported projects](#). WWF, Johnson & Johnson Foundation, and USAID. pp. 92.

Carr, D. L. (2002). Ph.D Dissertation. [Rural-frontier migration and deforestation in the Sierra de Lacandón National Park, Guatemala](#) . Department of Geography, University of North Carolina, Chapel Hill, NC. May, 2002. Pp. 327.

Carr, D. L. (1999). [Un Perfil socio-económico y demográfico del Parque Nacional Sierra de Lacandón: Desafíos y caminos a la conservación](#) . Flores, Guatemala, The Nature Conservancy, USAID, and Consejo Nacional de Areas Protegidas de la Presidencia de la República de Guatemala (CONAP). Ediciones serie no. 10. p. 66. (peer-reviewed).

Paper Awards

Carr, D.L. (2004). Nystrom Award. First Place: Award for the best paper based on a dissertation presented at the Association of American Geographers annual meeting. [Examining the proximate and underlying causes of tropical deforestation: Migration and land use in the Sierra de Lacandón National Park, Guatemala](#).

Carr, D.L. and W. Pan (2002). Population Specialty Group (PSG) of the Association of American Geographers (AAG) Student Paper Award. First place: [Fertility, farm size and land use on the frontier: Longitudinal evidence from the Ecuadorian Amazon](#).