

CURRICULUM VITAE (June 2021)

Richard E. Bilborrow

Business Address

Carolina Population Center
123 W. Franklin St.
University of North Carolina
Chapel Hill, NC 27516
(919) 962-445-6904
Fax: (919) 445-0740
Email: richard_bilborrow@unc.edu

Home Address

5310 Beaumont Drive
Durham, NC 27707
cell (919) 616-6723
home (919) 493-1207

Place of Birth - Evanston, IL, USA

Education

1972 Certificate, Demography, Princeton University
1968 Ph.D., Economics, University of Michigan
1966 M.A., Economics, University of Michigan
1963 B.A., Economics (Minor, Mathematics), Carleton College
1962 Mexican History and Culture, Summer Program, Mexico City College

Languages: Spanish (fluent); French (basic), Portuguese and Italian (minimal)

Courses Taught

Population, Development and Environment; Demographic Techniques; Economic Development; Research Methods; Poblaciones Amazónicas, Estilos de Vida y Desarrollo Sostenible (Amazonian Populations, Livelihoods and Sustainable Development).

Professional Employment

2021- Research Professor, Department of Geography, UNC-CH
2014- Adjunct Professor, Faculty of Ecology, Universidad San Francisco de Quito, Ecuador
1973-2021 Assistant Professor to Research Associate Professor to Research Professor, Department of Biostatistics, School of Public Health, University of North Carolina at Chapel Hill.
1977- Fellow, Carolina Population Center, University of North Carolina at Chapel Hill.
2012-2015 Director, UNC Program on Strengthening Higher Education on the Amazon in Ecuador, with Universidad San Francisco de Quito (funded by USAID).
2012-- Chief Technical Consultant, Mediterranean Household International Migration Survey (MEDHIMS).
2003-- Adjunct Professor, Department of Economics, University of North Carolina at Chapel Hill
1999—2021 Adjunct Professor, Department of Geography, University of North Carolina at Chapel Hill
1990-94 Founder and Member, Faculty Steering Committee, Center for World Environment and Sustainable Development (Duke University, North Carolina State University, and University of North Carolina at Chapel Hill).

Richard E. Bilborrow

- 1989- Adjunct Professor, Curriculum in Ecology, Energy and Environment, UNC-CH
- 1983-88 Director, Resources for the Awareness of the Population Impact on Development (RAPID II), Subcontract of the Carolina Population Center to The Futures Group, Washington, DC (funded by US Agency for International Development).
- 1975-78 Deputy Editor, *Demography*.
- 1973-84 Economist-Demographer, International Program of Laboratories for Population Statistics (POPLAB), University of North Carolina at Chapel Hill.
- 1971-72 Research Staff, Office of Population Research, Princeton University.
- 1970, 1971 Research Associate (summers), Center for Research on Economic Development, University of Michigan.
- 1968-71 Assistant Professor, Department of Economics, New York University (Washington Square).
- 1966-68 Teaching Fellow, Department of Economics, University of Michigan.
- 1964 Summer Intern, Office of Program Coordination, Agency for International Development, Washington, DC.

Professional Associations

International Union for the Scientific Study of the Population
Population Association of America
Association of American Geographers
Triangle Area Population Society

Honors

International Organization for Migration (IOM), GMDAC (Global Migration Data Portal, Member of International Advisory Committee, 2016-present.

Population-Environment Research Network (PERN), member advisory panel, 2016-18, helped establish in 2001.

October 2011. Telephone interview with Al Jazeera Global News (English version), to comment on Environmental Implications of the World's Reaching 7 Billion Population

Global Science Panel, International Union for Scientific Study of Population, 2001-2002, prepared recommendations on population, environment and development for Earth Summit 2002 (Johannesburg, South Africa, September 2-11)

Panelist, UN Economic and Social Council-World Bank Panel on "Food Security, Basic Infrastructure and Natural Resources as Imperative Dimensions of Poverty Alleviation Strategies", United Nations, New York, April 23, 1999

Hofstee Fellow, Netherlands Interdisciplinary Demographic Institute (The Hague), 1997-98, resident in The Hague

Great Decisions Lecture, "Environmental Threats to Stability: The Role of Population Growth", February 25, 1997, UNC.

Board of Directors, Population Association of America, 1994-96

Shannon Award, National Institute of Child Health and Human Development, NIH, 1993-95

Commission on Environmental Strategy and Planning, IUCN-The World Conservation Union, 1991-97

Committee on Population and the Environment, International Union for the Scientific Study of Population, 1990-95

Mindel Sheps Award Committee, Population Association of America, 1989-1992

Dorothy S. Thomas Award Committee, Population Association of America, 1983-86

Deputy Editor, *Demography*, 1975-78

Postdoctoral Fellowship, Office of Population Research, Princeton University, 1971-72 (Ford Foundation funding)

Fulbright Fellowship, Universidad de los Andes, Bogotá, Colombia, 1965-66

Graduate School Fellowships, University of Michigan, 1963-65

Publications

Books and Monographs

Richard E. Bilborrow

- UN Statistical Division (with Richard E. Bilborrow). Forthcoming. *Technical Report on the Use of Censuses and Surveys to Measure International Migration*. New York: United Nations Statistical Office.
- Farid, Samir, Tarek Abou Chabake, Richard E. Bilborrow, Giambattista Cantisani, & Ingrid Ivins. 2015. *Mediterranean Household International Migration Survey (MED-HIMS)*. Manual 1: Model Questionnaires. Manual 2: Survey Design and Organization. Manual 3. Supervisor's Manual. Manual 7. Tabulation Plan. Paris: ADETEF – MEDSTAT III, available at EU CIRCA Portal <https://circabc.europa.eu/faces/jsp/extension/wai/navigation/container.jsp>
- Bilborrow, Richard E. 2014. *Sampling Plans for MED-HIMS Surveys* (Programme of Mediterranean Household International Migration Surveys). Paris: ADETEF MEDSTAT III, for the European Commission, World Bank, and others, pp. 66. <https://circabc.europa.eu/faces/jsp/extension/wai/navigation/container.jsp>
- Lu, Flora, Richard E. Bilborrow, and Ana Isabel Oña. 2012. *Modos de Vivir y Sobrevivir: Un Estudio Transcultural de Cinco Etnias en la Amazonía Ecuatoriana (Approaches to Life and Surviving: A Cross-cultural Study of Five Ethnic Populations in the Ecuadorian Amazon)*. Quito, Ecuador: Editorial Abya Yala, pp. 142.
- Richard E. Bilborrow and Mariam Lomaia, 2011. *International Migration and Remittances in Developing Countries: Using Household Surveys to Improve Data Collection in Eastern Europe and Central Asia*. Working Paper, Poverty Department, World Bank, Washington DC, pp. 73 (on website).
- Oglethorpe, Judy, Jenny Erickson, Richard E. Bilborrow, and Janet Edmond. 2007. *People on the Move: Reducing the Impacts of Human Migration on Biodiversity*. Washington, DC: World Wildlife Fund and Conservation International, pp. 92 + maps.
- Bilborrow, Richard E., and CEPAR (Centro de Estudios sobre Población y Desarrollo Social). 2007. *The Living Conditions of Refugees, Asylum-seekers and Other Colombians in Ecuador: Millennium Development Indicators and Coping Behavior*, pp. 189. Geneva, Switz.: United Nations High Commissioner for Refugees (unhcr.org/statistics).
- Bilborrow, Richard E., Jason Bremner, Flora L. Holt, and Ana Isabel Oña. 2007. *El Comportamiento Reproductivo de Poblaciones Indígenas: Un Estudio a la Amazonía Ecuatoriana*. Quito, Ecuador: Fondo de Población de las Naciones Unidas y Centro de Estudios de Población y Desarrollo Social, pp. 34.
- Flora L. Holt, Richard Bilborrow, and Ana Oña. 2004. *Demography, Household Economics, and Land and Resource Use of Five Indigenous Populations of the Northern Ecuadorian Amazon: A Summary of Ethnographic Research*. Occasional Paper, Chapel Hill, NC: Carolina Population Center, UNC, pp. 132.
- United Nations Population Division (with Richard E. Bilborrow). 2004. *World Urbanization Prospects, 2003*. New York: United Nations Population Division, pp. 240.
- Bilborrow, Richard E. 2002. *Migration, Population Change and the Rural Environment*. Ann Arbor, Mich.: Population and Environment Fellows Program, University of Michigan, 55 pp.
- United Nations Population Division (with Richard E. Bilborrow). 2002. *World Urbanization Prospects, 2001*. New York: United Nations Population Division, pp. 254.
- Bilborrow, Richard E., and Daniel Hogan, eds. 1999. *Population and Deforestation in the Humid Tropics*. Liege, Belgium: International Union for the Scientific Study of Population, 291 pp.
- Bilborrow, Richard E., ed. 1998. *Migration, Urbanization and Development: New Directions and Issues*. Norwell, MA and New York: Kluwer Academic Publishers and United Nations Population Fund, 531 pp.
- Bilborrow, Richard E., Deborah DeGraff, and Richard Anker. 1998. *Poverty Monitoring and Rapid Assessment Surveys*. Geneva: International Labour Office, 90 pp.
- Bilborrow, Richard E., Graeme Hugo, Amarjit Oberai, and Hania Zlotnik. 1997. *International Migration Statistics: Guidelines for Improving Data Collection Systems*. Geneva: International Labour Office, 441 pp. Index.
- Marquette, Catherine, with Richard E. Bilborrow. 1994. *Population and the Environment in Developing Countries: Literature*

Richard E. Bilsborrow

Survey and Research Bibliography. New York: United Nations Population Division, 92 pp.

- Bilsborrow, Richard E. 1994. *The Migration of Women: Methodological Issues in the Measurement and Analysis of Internal and International Migration*. Santo Domingo, Dominican Republic: UN International Research and Training Institute for the Advancement of Women, 112 pp.
- Bilsborrow, Richard E., ed. 1993. *Internal Migration of Women in Developing Countries*, Proceedings of United Nations Expert Group Meeting Held in Aguascalientes, Mexico, October 22-25, 1991. New York: United Nations, 359 pp.
- Bilsborrow, Richard E., and Martha Geores. 1992. *Rural Population Dynamics and Agricultural Development: Issues and Consequences Observed in Latin America*. Ithaca, NY: Cornell University Population and Development Program, and Cornell International Institute for Food, Agriculture and Development, Cornell University, 160 pp.
- Bilsborrow, Richard E. 1992. "Rural Poverty, Migration and the Environment in Developing Countries: Three Case Studies". Background monograph for World Bank's 1992 *World Development Report*, World Bank Policy Research Working Paper (WPS 1017), 71 pp. plus maps.
- Bilsborrow, Richard E., and Martha Geores. 1991. *Population, Environment and Sustainable Agriculture and Rural Development*. Miscellaneous Document no. 2 for FAO Conference on Agriculture and the Environment ('S-Hertogenbosch, Netherlands, April 15-19, 1991). Rome: UN Food and Agricultural Organization, 38 pp.
- Ruiz, Lucía, and Richard E. Bilsborrow 1990. *Evaluación del Impacto Demográfico de Proyectos de Desarrollo Rural Integral en el Ecuador* [Evaluation of the Demographic Impact of Integrated Rural Development Projects in Ecuador]. Quito, Ecuador: Consejo Nacional de Desarrollo 1990, 89 pp.
- Bilsborrow, Richard E., Jose Ordonez, and Ernesto Pinto. 1988. *Análisis Multivariado de los Determinantes de la Fecundidad en Comunidades Rurales del Ecuador* [Multivariate Analysis of Determinants of Fertility in Rural Communities of Ecuador]. Quito, Ecuador: Centro de Estudios de Población y Paternidad Responsable, 42 pp.
- Pinto, Ernesto, Jose Ordonez, and Richard E. Bilsborrow. 1988. *Medición y Determinantes de las Preferencias Reproductivas en el Ecuador* [Measurement and Determinants of Reproductive Preferences in Ecuador]. Quito, Ecuador: CEPAR, 41 pp.
- Bilsborrow, Richard E., and David Guilkey. 1987. "Community and Institutional Influences on Fertility: Analytical Issues," *World Population and Employment Program Working Paper no. 157*, International Labour Office, Geneva, 146 pp.
- Bilsborrow, Richard E., and Pamela DeLargy, eds. 1985. *The Impact of Rural Development Projects on Demographic Behavior*. Policy Studies no. 9. New York: United Nations Fund for Population Activities, 205 pp.
- Bilsborrow, Richard E., A. Oberai, and Guy Standing. 1984. *Migration Surveys in Low-income Countries: Guidelines for Survey and Questionnaire Design*, London: Croom-Helm, for the International Labour Office, 552 pp.
- Bilsborrow, Richard E., Arjun Adlakha, Anne R. Cross, Dennis Chao, and M. Nizamuddin. 1982. *Analyzing the Determinants of Fertility: A Suggested Approach for Data Collection*, Manual IX. Chapel Hill: International Program of Laboratories for Population Statistics, University of North Carolina at Chapel Hill, 62 pp.
- Bilsborrow, Richard E. 1981. *Surveys of Internal Migration in Low-Income Countries: Issues of Survey and Sample Design*. Geneva: International Labour Office, 164 pp.
- Bilsborrow, Richard E. 1981. *Surveys of Internal Migration in Low-Income Countries: The Need for and Content of Community-level Variables*. Geneva: International Labour Office, 63 pp.
- Bilsborrow, Richard E. 1976. *Population in Development Planning: Background and Bibliography*. Chapel Hill, NC: Department of Biostatistics and Carolina Population Center, University of North Carolina at Chapel Hill, 216 pp.
- Bilsborrow, Richard E. 1974. *The Preparation of an Inventory of Demographic Data for Social and Economic Planning, Manual V*. Chapel Hill, NC: International Program of Laboratories for Population Statistics, University of North Carolina at Chapel Hill, 39 pp.

Richard E. Bilborrow

Bilborrow, Richard E. 1968. *The Determinants of Fixed Investment by Manufacturing Corporations in Colombia*. Ph.D. dissertation, Department of Economics, University of Michigan. Ann Arbor: University Microfilms.

Vanek, Jaroslav, with Richard E. Bilborrow. 1967. *Estimating Foreign Resource Needs for Economic Development: Theory, Method and a Case Study of Colombia*. New York: McGraw-Hill, 180 pp.

Articles in Refereed Journals

Nicoletti, Alessandro, Susanne Melde, Lorenzo Guadagno, & Richard Bilborrow. In Press. Human mobility in the context of environmental and climate change: A selected list of recent data collection tools to address key methodological issues. *Environmentally-Driven Migration: Improving the Evidence Base for Effective Policy Making*. Thematic Working Group on Migration and Environmental Change of the Global Knowledge Partnership on Migration and Development (KNOMAD).

Wang, Ying, Qi Zhang, Conghe Song, & Richard Bilborrow, In Press. Understanding the Effects of China's Agro-Environmental Policies on Rural Households: Labor and Land Allocation with a Spatially Explicit Agent-Based Model, *Journal of Artificial Societies and Social Simulation*.

Wang, [Ying](#), [Qi Zhang](#), [Qirui Li](#), [Jianying Wang](#), [Srikanta Sannigrahi](#), [Richard Bilborrow](#), [Sonoko D. Bellingrath-Kimura](#), [Jiangfeng Li](#), [Conghe Song](#). 2021. Role of social networks in building household livelihood resilience under payments for ecosystem services programs in a poor rural community in China. *Journal of Rural Studies* (in press).

Zhang, Huijie, Li An, Richard Bilborrow, Yongwan Chun, Jie Dai, & Shuang Yang. 2021. Neighborhood impacts on household participation in payments for ecosystem services programs in a Chinese nature reserve: A methodological exploration. *Journal of Geographical Sciences* 31(6): 899-922. DOI: <https://doi.org/10.1007/s11442-021-1877-1>.

Yost, Alexandra, Li An, Richard Bilborrow, Lei Shi, Xiaodong Chen, Shuang Yang, & Weiyong Zhang. 2020. Mechanisms behind concurrent payments for ecosystem services in a Chinese nature reserve. *Ecological Economics* 169.

Wang, Ying, Richard Bilborrow, Qi Zhang, Shiqi Tao, Xiaodong Chen, Kira Sullivan-Wiley, Qing-feng Huang, Jiang-feng Li, & Conghe Song. 2020. Effects of payments for ecosystem services programs in China on rural household labor allocation and land use: Identifying complex pathways. *Land Use Policy* (accepted).

Zhang, Qi, Ying Wang, Shiqi Tao, Richard E. Bilborrow, T. Qiu, C. Liu, S. Sannigrahi, Qi Li, Conghe Song. In press. Divergent socioeconomic-ecological outcomes of China's conversion of cropland to forest program in a subtropical mountainous area and the semi-arid Loess Plateau. *Ecosystem Services*.

Gray, Clark, & Richard Bilborrow. 2020. Stability and change within indigenous land use in the Ecuadorian Amazon. *Global Environmental Change* (63) doi.org/10.1016/j.gloenvcha.2020.102116.

Sellers, Samuel, & Richard Bilborrow. 2020. Agricultural technology adoption among migrant settlers and indigenous populations of the Northern Ecuadorian Amazon: are differences narrowing? *Journal of Land Use Science* doi:10.1080/1747423X.2020.1719225.

Salinas, Rosa Victoria, Richard E. Bilborrow, & Clark Gray. 2020. Cambios socioeconómicos en el siglo XXI en poblaciones indígenas Amazónicas: Retos actuales (Socio-economic changes in the 21st century in indigenous Amazonian populations: Current challenges). *Estudios Demográficos y Urbanos* (El Colegio de Mexico, Mexico City) 35(1): 83-116.

Zhang, Qi, Richard E. Bilborrow, Conghe Song, Shiqi Tao, & Quinfeng Huang. 2019. Rural household income distribution and inequality in China: Contribution of payment for ecosystem services and other factors. *Ecological Economics*, (160) 114–127.

Treacy, Paul, Pamela Jagger, Conghe Song, Qi Zhang, & Richard E. Bilborrow. 2018. Impacts of China's Grain for Green Program on Migration and Household Income, *Environmental Management* 62: 489–499.

Wang, Ying, Richard E. Bilborrow, Conghe Song, Qi Zhang, & J. Li. 2019. Effects of payment for ecosystem services and agricultural subsidy programs on rural household land use decisions in China: Synergy or trade-off? *Land Use Policy* 81: 785–801.

- Zhang, Qi., Richard E. Bilborrow, Conghe Song, Shiqi Tao, & Quinfeng Huang. 2018. Determinants of out-migration in rural China: effects of payments for ecosystem services. *Population and Environment* 40(2): 182–203.
- Vasco, Cristian, Richard Bilborrow, Bolier Torres, & Verena Griess. 2018. Agricultural land use among mestizo colonist and indigenous populations: Contrasting patterns in the Amazon. *Plos One* 18(7): 1-16.
- Song, Conghe, Richard Bilborrow, Pamela Jagger, Qi Zhang, Xiaodong Chen, & Qingfeng Huang. 2018. Rural Household Energy Use and Its Determinants in China: How Important Are Influences of Payment for Ecosystem Services vs. Other Factors? *Ecological Economics* 145: 148–159.
- Sellers, Samuel P., Richard E. Bilborrow, Rosa Victoria Salinas, & Carlos F. Mena. 2017. Population and development in the Amazon: a longitudinal study of migrant settlers in Ecuador. *Acta Amazonica* 47(4): 321-330.
- Davis, Jason, Samuel Sellers, Clark Gray & Richard Bilborrow. 2017. Indigenous Migration Dynamics in the Ecuadorian Amazon: A Longitudinal and Hierarchical Analysis. *Journal of Development Studies*, 53(11): 1849-1864. DOI: 10.1080/00220388.2016.1262028
- Lopez-Carr, David, A. Martinez, Richard E. Bilborrow, & Thomas Whitmore. 2017. Geographical and Individual Determinants of Rural Out-migration to a Tropical Forest Protected Area: The Maya Biosphere Reserve, Guatemala. *European Journal of Geography* 8(2): 78-106.
- Vasco, Cristian, & Richard Bilborrow. 2016. “Aporte del empleo fuera de finca a los ingresos de hogares indígenas y mestizos de la Amazonía Ecuatoriana,” *Economía Agraria y Recursos Naturales (Agricultural and Resource Economics)*, 16(1), in press.
- Bozigar, Matthew, Clark L. Gray & Richard E. Bilborrow, 2016. “Oil Extraction and Indigenous Livelihoods in the Northern Ecuadorian Amazon,” *World Development* 78: 125-135.
- Vasco Perez, Cristian, Richard E. Bilborrow & Bolier Torres. 2015. “Income diversification of migrant colonists vs. indigenous populations: Contrasting strategies in the Amazon,” *Journal of Rural Studies*. 42: 1-10.
- Bolier Torres, Richard E. Bilborrow, Alisson Barbieri y Alexandra Torres. 2015. “Cambios en las estrategias de ingresos económicos a nivel de hogares rurales en el norte de la Amazonía ecuatoriana” (translated and also published in English as “Changes in income strategies of rural households in the Northern Ecuadorian Amazon”). *Revista Amazónica Ciencia y Tecnología* 3(3): 221-257.
- Clark L. Gray, Matthew Bozigar, Richard E. Bilborrow. 2015. “Declining use of wild resources by indigenous peoples of the Ecuadorian Amazon,” *Conservation Biology* 182: 270-277.
- Clark L. Gray, Matthew Bozigar, Richard E. Bilborrow. 2015. “Both extensive and intensive study designs are needed to understand wild resource harvesting: A reply to Siren.” *Biological Conservation* <http://dx.doi.org/10.1016/j.biocon.2015.05.021>.
- Jason Davis, Richard Bilborrow, Clark Gray. 2015. “Delayed Fertility Transition among Indigenous Women: A Case Study in the Ecuadorian Amazon,” *International Perspectives on Sexual and Reproductive Health*, 41(1): 1-10, doi:10.1363/4100115..
- Gray Clark. L., & Richard E. Bilborrow. 2014. “Consequences of Out-Migration for Land Use in Rural Ecuador,” *Land Use Policy* 36: 182– 191 (PMID 24187416).
- Song, Conghe, Zhang, Y., Mei, Y., Liu, H., Zhang, Z., Zhang, Q., Zha, T., Zhang, K., Huang, C., Xu, X., Jagger, P., Chen, C., Bilborrow, R. 2014. “Forests Sustainability and China’s Sloping Land Conversion Program: A Comparison among Three Sites in Anhui, Hubei and Shanxi,” *Forest Policy and Economics* 38: 161-167.
- Gray, Clark, and Richard E. Bilborrow. 2013. “Environmental influences on human migration in Ecuador,” *Demography* 50(4):1217-41. <http://www.ncbi.nlm.nih.gov/pubmed/23319207>

- Groenewold, George, Bart de Bruijn, and Richard Bilborrow. 2012. "Psychosocial Determinants of Migration: An Adaptation of the Health Belief Model," *International Migration*, 50(4). 1-19, doi: 10.1111/j.1468-2435.2012.00781.x.
- Codjoe, Samuel A., and Richard E. Bilborrow. 2011/2012. "Are migrants exceptional resource degraders? A study of agricultural households in Ghana," *GeoJournal* 77:681-694. DOI 10.1007/s10708-011-9417-7.
- Bilborrow, Richard E., and Mariam Lomaia. 2012. "International migration and remittances in developing countries: Using household surveys to improve data collection in the CIS states and Eastern Europe," *International Migration of Population in the Post-Soviet Territory in the Epoch of Globalization*. Scientific series "International Migration of Population: Russia and the Contemporary World", Volume 26. Edited by Vladimir Iontsev (Moscow, Moscow University Press), pp. 10-40 (in English and Russian).
- Bilborrow, Richard E., and Sabine Henry. 2012. "The use of survey data to study migration-environment relationships in developing countries: alternative approaches to data collection." *Population and Environment*, 34: 113-141. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3972128/>
- Codjoe, Samuel A., and Richard E. Bilborrow. 2011. "Population and agriculture in the dry and derived savannah zones of Ghana," *Population and Environment*, 33: 80-107.
- Bilborrow, Richard E., Carlos F. Mena and Eduardo Arguello. 2011. "Colombian Refugees in Ecuador: Sampling Schemes, Migratory Patterns, and Consequences for Migrants," *International Journal of Global Environmental Issues* 11(3-4): 271-298.
- Lu, Flora, and Richard E. Bilborrow. 2011. "A Cross-cultural Analysis of Human Impacts on the Rainforest Environment in Ecuador." In Richard Cincotta and Larry J. Gorenflo, eds., *Human Populations and Their Influences on Biodiversity*, Springer-Verlag, pp. 127-151 (peer-reviewed book chapters).
- Lu, Flora, Clark Gray, Richard E. Bilborrow, Carlos F. Mena, Christine Erlien, Jason Bremner, Alisson Barbieri, and Stephen J. Walsh. 2010. "Contrasting Colonist and Indigenous Impacts on Amazonian Forests," *Conservation Biology*, 24(3): 881-885.
- Pan, William K-Y, Christine Erlien, and Richard E. Bilborrow. 2010. "Morbidity and mortality disparities among colonist and indigenous populations in the Ecuadorian Amazon," *Social Science and Medicine* 70(3): 401-411.
- Fariss, Brandie, Flora Lu, and Richard E. Bilborrow. 2009. "Gendered time allocation of indigenous peoples in the Ecuadorian Amazon", *Ethnology* 48(3): 239-268.
- Bremner, Jason S., Richard E. Bilborrow, and Flora E. Lu. 2009. "The Fertility of Indigenous Populations in the Ecuadorian Amazon," *Population and Environment* 30: 93-113.
- Barbieri, Alisson F., David L. Carr, and Richard E. Bilborrow. 2009. "Migration within the Frontier: Second Generation Colonists in the Ecuadorian Amazon," *Population Research and Policy Review* 28 :291-320.
- Barbieri, Alisson F., Richard E. Bilborrow. 2009. "Dinamica populacional, uso da terra e geracao de renda: uma analise longitudinal para domicillios rurais no Amazonia ecuatoriana (Population dynamics, use of land and income generation: A longitudinal analysis of rural households in the Ecuadorian Amazon)," *Nova Economia* 19(1): 67-94.
- Carr, David, Anna Carla Lopez, and Richard E Bilborrow. 2009. "Population, Agriculture and Environment in Latin America," *Population and Environment* 30: 222-246.
- Gray, Clark, Richard E. Bilborrow, Jason Bremner, and Flora Lu. 2008. "Indigenous Land Use in the Amazon: A Cross-Cultural and Multilevel Analysis," *Human Ecology* 36(1): 97-109.
- Carr, D. L. William K.Y. Pan, Richard E. Bilborrow, Chirayath Suchindran, Thomas M. Whitmore, & Felipe Murtinho. 2008. "Un análisis multi-nivel de población y deforestación en El Parque Nacional Sierra de Lacandón, Petén, Guatemala." *Documents d'Anàlisi Geogràfica*, pp. 49-67.

Richard E. Bilborrow

- Pan, William K-Y., David Carr, Alisson Barbieri, Richard E. Bilborrow, & C. Suchindran, 2007. "Forest Clearing in the Ecuadorian Amazon: A Study of Patterns Over Space and Time," *Population Research and Policy Review* 26: 635-659.
- Carr, David L., William K-Y Pan, and Richard E. Bilborrow. 2006. "Declining Fertility on the Frontier: The Ecuadorian Amazon," *Population and Environment* 28: 17-39.
- Barbieri, Alisson F., Richard E. Bilborrow, and William K. Pan. 2006. "Farm Household Lifecycles and Land Use in the Ecuadorian Amazon," *Population and Environment* 27(1): 1-27.
- Mena, Carlos F., Richard E. Bilborrow, and Michael E. McClain. 2006. "Socioeconomic Drivers of Deforestation in the Northern Ecuadorian Amazon," *Environmental Management*, Vol. 34(10):1831-1849.
- Bilborrow, Richard E. 2006. "Human Migratory Pressures on the Environment," *Frontiers in Ecology and Environment*, Population and Sustainability Forum 3(4): 160-61.
- Mena, Carlos F., Alisson Barbieri, Stephen Walsh, Christine Erlien, Richard E. Bilborrow, and Flora Lu Holt, 2006. "Threats to the Cuyabeno Wildlife Refuge: A Study on People and Parks in the Ecuadorian Amazon," *World Development* 34(10): 1831-1849.
- Groenewold, George, and Richard E. Bilborrow. 2005. "Sampling International Migrants: Lessons Learned from the NIDI Eurostat Study on Migration from West Africa and the Mediterranean Region to the EU," *Demotrends*, vol. 1: 9.
- Pan, William K-Y., and Richard E. Bilborrow. 2005. "A Multilevel Study of Fragmentation of Plots and Land Use in the Ecuadorian Amazon," *Global and Planetary Change* 47: 232-252
- Bilborrow, Richard E., Alisson Barbieri, and William K-Y Pan, 2004. "Changes in population and land use over time in the Ecuadorian Amazon," *Acta Amazonica* 34(4): 635-647.
- Pan, William K-Y., S. Walsh, R. Bilborrow, B. Frizzelle, C. Erlien, and F. Baquero. 2004. "Farm-Level Models of Spatial Patterns of Land Use and Land Cover Dynamics in the Ecuadorian Amazon." *Agriculture, Ecosystems, and Environment* 101:117-134.
- DeGraff, Deborah, and Richard Bilborrow, 2003. "Children's School Enrollment and Time at Work in the Philippines", *Journal of Developing Areas*, vol. 37(1): 121-158.
- Bilborrow, R., 2002. "Migration, Population Change, and the Rural Environment." *Environmental Change & Security Project Report* (The Woodrow Wilson Center), 8:69-94.
- Lutz, Wolfgang, M. Shah, R. Bilborrow, and 29 other members of Global Science Panel, 2002. Letter published in *Nature*, July 4, 2002, "Population Should Be On Johannesburg Agenda" (see also www.iiasa.ac.at/gsp).
- Carr, David L., and Richard E. Bilborrow. 2000. "Population and Land Use/Cover Change: A Regional Comparison Between Central America and South America", *Journal of Geography Education*, vol. 43 (8): 7-16.
- Macintyre, Kate, Richard Bilborrow, Caton Olmedo, and Rodolfo Carrasco. 1999. "Rapid Surveys for Program Evaluation: Design and Implementation of an Experiment in Ecuador", *Pan American Journal of Public Health*, vol. 6(3):192-200.
- Laurian, Lucie, Richard E. Bilborrow, and Laura Murphy. 1998. "Migration Decisions Among Settler Families in the Ecuadorian Amazon: The Second Generation", in Harry Schwarzweiler and Brendan Mullan, eds., *Research in Rural Sociology and Development: Focus on Migration*. Greenwich, CT: JAI Press, pp. 169-195.
- DeGraff, Deborah, Richard E. Bilborrow and David Guilkey. 1997. "Community-level Determinants of Fertility in the Philippines", *Demography* 34(4):385-398.
- Murphy, Laura, Richard E. Bilborrow, and Francisco Pichón, 1997. "Poverty and Prosperity Among Settlers in the Ecuadorian Amazon Rainforest", *Journal of Development Studies* 34(2):335-365.
- Thapa, Keshari, Richard E. Bilborrow, and Laura Murphy, 1996. "Deforestation, Land Use and Women's Agricultural

Richard E. Bilborrow

Activities in the Ecuadorian Amazon", *World Development*, 24(8):1317-32.

DeGraff, Deborah, Richard E. Bilborrow and Alejandro Herrin, 1996. "Fertility and Children's Time Allocation in the Philippines," *Population Research and Policy Review*, 15:219-47.

DeGraff, Deborah, and Richard E. Bilborrow. 1994. "Female-Headed Households and Family Welfare in Rural Ecuador", *Journal of Population Economics*, 6: 317-36.

Marquette, Catherine and Richard E. Bilborrow. 1994. "Sex and the Single Planet: A Review," Comments on Paul Harrison's *The Third Revolution: Environment, Population and a Sustainable World*, in *Human Ecology Review*, 1(2):245-47.

Lutz, Wolfgang, M. Shah, R. Bilborrow, and 29 other members of Global Science Panel, 2002. Letter published in *Nature*, July 4, 2002, "Population Should Be On Johannesburg Agenda" (see also www.iiasa.ac.at/gsp).

Bilborrow, Richard E., and H. W. O. Okoth-Ogendo. 1992. "Population-Driven Changes in Land Use," *Ambio*, 21(1):37-45.

Bilborrow, Richard E. 1992. "Population Growth, Internal Migration and Environmental Degradation in Rural Areas of Developing Countries," *European Journal of Population* (London), 8:125-48.

Bilborrow, Richard E., and Hania Zlotnik. 1991. "The Feminization of Internal Migration," Report of UN Meeting, Aguascalientes, Mexico, *International Migration Review*, 26(1):138-61.

Bilborrow, Richard E., and Pamela DeLargy. 1991. "Land Use, Migration, and Natural Resource Deterioration in the Third World: The Cases of Guatemala and Sudan," *Population and Development Review, Supplement* to Vol. 16, edited by Kingsley Davis and Mikhail Bernstam, 1991, pp. 125-47; reprinted in *Perspectives in Resource Management for Developing Countries*, edited by Baleshwar Thakur, New Delhi, Concept Publishing Company, 1993.

Bilborrow, Richard E., and Lucia Ruiz-Pozo, 1990. "Efectos Demográficos de Proyectos de Desarrollo Rural: Un Estudio de Caso en Ecuador (Demographic Effects of Integrated Rural Development Projects: A Case Study of Ecuador), *Forum Valutazione (Project Evaluation)* (Rome), 0 (1):63-86.

Bilborrow, Richard E. 1989. "The Demographics of Macroeconomic-Demographic Models," in United Nations *Population Bulletin of the United Nations* 26:39-83.

Bilborrow, Richard E., and Richard Fuller. 1988. "La Selectividad de los Emigrantes de Areas Rurales en la Sierra Ecuatoriana" (Selectivity of Rural Out-Migrants in the Ecuadorian Sierra), *Estudios Demográficos y Urbanos* (Mexico City) 3(2): 265-90.

Bilborrow, Richard E. 1987. "Population Pressures and Agricultural Development in Developing Countries: A Conceptual Framework and Recent Evidence," *World Development* 15(2) (1987):1-18; reprinted in reader on *Human Demography and Natural Resources* (Morrison Institute for Population and Resource Studies, Stanford University, 1989).

Bilborrow, Richard E., Thomas McDevitt, Sherry Kossoudji, and Richard Fuller. 1987. "The Impact of Origin Community Characteristics on Rural-Urban Out-migration in a Developing Country," *Demography* 24:191-210.

Bilborrow, Richard E. 1987. Review of Richard E. Easterlin and Eileen Crimmins, 1985. *The Fertility Revolution: A Supply-Demand Analysis*. Chicago: University of Chicago Press, *Southern Economic Journal* 54(1):238-40.

Akin, John, Richard E. Bilborrow, David Guilkey, and Barry Popkin. 1986. "Breast-feeding Patterns and Determinants in Jordan," *Population Bulletin of ESCWA* (28) (1986):5-41.

Akin, John, Richard E. Bilborrow, David Guilkey, and Barry Popkin. 1986. "Breast-feeding Patterns and Determinants in the Near East: An Analysis for Four Countries," *Population Studies* 40:247-62.

Oucho, John, Richard E. Bilborrow, and John Molyneaux. 1986. "Economic and Ethnic Factors in Kenyan Population Movements," *Eastern Africa Economic Review* 2:31-50.

Bilborrow, Richard E., and Calman R. Winegarden. 1985. "Landholding, Rural Fertility, and Internal Migration in Developing

Richard E. Bilsborrow

- Countries: Econometric Evidence from Cross-National Data," *Pakistan Development Review* 24:125-49.
- Bilsborrow, Richard E., John Akin, David Guilkey, and Barry Popkin. 1984. "Reply to David Smith," *Demography* 21:687-88.
- Bilsborrow, Richard E., and John Akin. 1983. "Reply to Robert Nakosteen," *Review of Public Data Use* 11:73-74.
- Popkin, Barry, Richard E. Bilsborrow, John Akin, and Monica Yamamoto. 1983. "Breastfeeding Determinants in Low-Income Countries: An Analytical Review," *Medical Anthropology* 7:1-33.
- Bilsborrow, Richard E., Barry Popkin, and John Akin, 1982. "Breastfeeding Patterns in Low-Income Countries," *Science* 218:1088-93.
- Bilsborrow, Richard E., and John Akin, 1982. "Data Availability vs. Data Needs for Analyzing the Determinants and Consequences of Internal Migration: An Evaluation of U.S. Survey Data," *Review of Public Data Use* 10:261-84.
- Bilsborrow, Richard E. 1981. "Dependency Rates and Aggregate Savings Rates Revisited: Corrections, Further Analyses, and Recommendations for the Future," *Research in Population Economics* 2:183-204.
- Akin, John, Richard E. Bilsborrow, David Guilkey, Barry Popkin, D. Benoit, Pierre Cantrelle, Michael Garenne, and P. Leir. 1981. "The Determinants of Breastfeeding in Sri Lanka," *Demography* 18(3):287-307.
- Bilsborrow, Richard E. 1979. "Preparación de un Inventario de Datos Demográficos para la Planificación Económica y Social," *Estadística* (Journal of the Inter-American Statistical Institute) 33:47-89.
- Bilsborrow, Richard E. 1979. "Age Distribution and Savings Rates in Less Developed Countries," *Economic Development and Cultural Change* 28:23-45.
- Bilsborrow, Richard E. 1978. "The Relationship Between Population Growth and the Expansion of Education Systems in Developing Countries, 1950-1970," *Pakistan Development Review* 17:212-32.
- Bilsborrow, Richard E. 1978. "Collaboration between Demographers in Developed and Developing Countries," *European Demographic Information Bulletin* 9:62-5.
- Bilsborrow, Richard E., and Stephen Slavin. 1977. "Costs of Family Planning Programs: Some Methodological Issues and A Case Study of Barbados," *Journal of Biosocial Science* vol. 9:33-51.
- Bilsborrow, Richard E. 1977. "The Effects of Economic Dependency on Labor Force Participation Rates in Less Developed Countries," *Oxford Economic Papers*, vol. 29:61-83.
- Bilsborrow, Richard E. 1977. "The Determinants of Fixed Investment: An Application to a Developing Country," *The International Economic Review*, vol. 18:697-717.
- Bilsborrow, Richard E. 1975. Review of Julian Simon, "The Effect of Income on Fertility" (Monograph 19, The Carolina Population Center, Chapel Hill, NC, 1974), *Journal of Marriage and the Family*, 37:240-42.
- Bilsborrow, Richard E. 1975. "Linking the Economic and Demographic Sectors: Effects of Economic Dependency on Labor Force Participation Rates". *The Eastern Economic Journal*, 2(3) (Supplement).
- Bilsborrow, Richard E. 1975. "Tasas de dependencia y tasas de ahorro agregado: correcciones y analisis detallado" [Dependency Rates and Savings Rates: Comments and Extensions]. *Demografía y Economía*, 9:199-217.
- Bilsborrow, Richard E., and Stephen Slavin. 1974. "The Barbados Family Planning Association and Fertility Decline in Barbados," *Studies in Family Planning*, 7:325-32; also published in Spanish in *Estudios de Planificación Familiar*.
- Bilsborrow, Richard E., and Richard Porter. 1972. "The Effects of Tax Exemption on Fixed Investment in Colombia". *Weltwirtschaftliches Archiv*, 108:396-426.

Other Publications

- Bilborrow, Richard E., 2021. "Population and Agricultural Change." Ch. 17 in *Handbook on Population & Environment*, Lori Hunter, Clark Gray & Jacques Veron, editors. Springer. In Press.
- Bilborrow, Richard E., 2020. "Economic and Related Aspects of Land Use on Islands: A Meta Perspective." In S.J. Walsh, D. Riveros-Iregui, J. Acre-Nazario, & P. H. Page, (eds.), *Land Cover and Land Use Change on Islands: Social & Ecological Threats to Sustainability* (Springer), pp. 11-62.
- Walsh, Stephen J., Laura Brewington, Francisco Laso, Yang Shao, Richard E. Bilborrow, Javier Arce-Nazario, Hernando Mattei, Philip H. Page, Brian G. Frizzelle, Francesco Pizzitutti, "Social-Ecological Drivers of Land Cover/Land Use Change on Islands: A Synthesis of the Patterns and Processes of Change." In S.J. Walsh, D. Riveros-Iregui, J. Acre-Nazario, & P. H. Page, (eds.), *Land Cover and Land Use Change on Islands: Social & Ecological Threats to Sustainability* (Springer) pp. 63-88.
- Bilborrow, Richard E., 2018a. "Household Surveys as a Key Potential Source of Data on International Migration." Blog posted on website of International Organization for Migration, GMDAC (gmdac.iom). May 31.
- Bilborrow, Richard E., 2018b. "Migration-specialized Surveys: 5 Regional Examples Improving Migration Research." Blog posted on website of International Organization for Migration, GMDAC (gmdac.iom). September 18.
- Bilborrow, Richard E., 2017. "The Global Need for Better Data on International Migration and the Special Potential of Household Surveys." International Organization for Migration, pp. 1-20. Posted on website of GMDAC (gmdac.iom).
- Torres, Bolier, Bilborrow, Richard, Barbieri, Alisson, 2016. "Pobreza e inequidad en los habitantes del bosque del Norte de la Amazonía Ecuatoriana" (Poverty and inequality among inhabitants of the northern Ecuadorian Amazon forest). In Torres, B., Vargas, J. C., Arteaga, Y., Torres, A. and Lozano, P., *Gente, Bosque y Biodiversidad: El rol del bosque sobre la biodiversidad y las poblaciones rurales* (pp. 76-99). Puyo, Ecuador: Universidad Estatal Amazónica.
- Bilborrow, Richard, 2016. "Existing survey programs and need for new survey modules on migration for the new Sustainable Development Goals." Presented at UN Expert Group Meeting on Strengthening the Demographic Evidence Base for the Post-2015 Development Agenda, website of UN Population Division, Department of Economic and Social Affairs. <http://www.un.org/en/development/desa/population/events/expert-group/23/index.shtml>
- Bilborrow, Richard E., 2016. "Concepts, Definitions and Data Collection Approaches." In Michael White, ed., *Handbook of Migration and Population Distribution*. Springer, Chapter 7, pp. 109-156.
- Bilborrow, Richard E., 2015. "Cambio climático y migración." In Ana María Aragonés, ed., *Consecuencias del Cambio Climático sobre la Migración: Un Análisis para México*. Coyoacán, México: Universidad Nacional Autónoma, pp. 19-38.
- Salisbury, David, Elizabeth Anderson, Richard Bilborrow, et al. 2015. "Transformando la educación superior para una Amazonia cambiante" (Transforming higher education for a changing Amazon), *Investigación Universitaria* (Ucayali National University, Pucallpa, Peru), Edición Extraordinaria), pp. 7-9.
- Bilborrow, Richard E., 2011. "Global patterns of migration, sources of data, and the new policy consensus." Ch. 5 in Thomas N. Maloney and Kim Korinek, eds., *Migration in the 21st Century: Rights, Outcomes, and Policy*. Routledge, for the Regional Studies Association, pp. 79-97.
- Bilborrow, Richard E., 2011. "Temas metodológicos claves en el estudio de la migración en países en desarrollo: teoría, recolección de datos y políticas." (Key methodological themes in the study of migration in developing countries: Theory, data collection and policy." In José Marcos Pinto da Cunha, ed., *Mobilidade espacial da população: desafios teóricos e metodológicos para o seu estudo*. Campinas, Brazil: Universidade do Campinas/NEPO, pp. 17-31.
- Lu, Flora, and Richard E. Bilborrow, 2011. "A Cross-cultural Analysis of Human Impacts on the Rainforest Environment in Ecuador". In Richard Cincotta and Lawrence Gorenflo, eds., *Human Population: Its Influences on Biological Diversity*, Ecological Studies, Vol. 214. Analysis and Synthesis. Springer, pp. 127-152.

- Bilborrow, Richard E., 2009. "Collecting Data on the Migration-Environment Nexus." In Frank Laczko and Christine Aghazarm, eds., *Migration, Environment and Climate Change: Assessing the Evidence*. Geneva, Switz. International Organization for Migration, pp. 113-196.
- Bilborrow, Richard E., 2009. "Report of the Meeting," *Expert Group Meeting on Population Distribution, Urbanization, Internal Migration and Development*, New York, January 21-23, 2008, pp. 3-29. New York: United Nations.
- Barbieri, Alisson, Roberto L.M. Monte-Mór, and Richard E. Bilborrow, 2009. "Towns in the jungle: exploring linkages between rural-urban mobility, urbanization and development in the Amazon." In A. De Sherbinin, A. Rahman, A. Barbieri, J. Fotso, and Y. Zhu, eds., *Urban Population-Development-Environment Dynamics in the Developing World: Case Studies and Lessons Learned*. Paris: Committee for International Cooperation in National Research in Demography (CICRED), and UN University, pp. 247-279.
- Bilborrow, Richard E., 2009. "Surveys of International Migration: Issues and Tips." In United Nations, *Sixth Coordination Meeting on International Migration*, United Nations, New York, November 26-27, 2007, ESA/P/WP.208, December 2009 NY: UN Department of Economic and Social Affairs, Population Division, pp.12-18 (only commissioned paper for UN meeting).
- Brondizio, E.S., A. Cak, M. Caldas, C. Mena, R. Bilborrow, C. Fudemma, E. Moran, M. Batistella, and T. Ludewigs, 2009. "Small Farmers and Deforestation in Amazonia." In Michael Keller, M. Bustamante, J. Gash, P. Silva Dias, eds., *Amazonia and Global Change: A Synthesis of LBA Research*, pp. 117-143. World Scientific Publishing (American Geophysical Union, Geophysical Monograph Series 186).
- Groenewold, George, and Richard E. Bilborrow, 2008. "Design of Samples for International Migration Surveys: Methodological Considerations and Lessons Learned from a Multi-country Study in Africa and Europe". In Corrado Bonifazi, M. Okolski, J. Schoorl, and P. Simon, eds. *International Migration in Europe: New Trends and New Methods of Analysis*, Amsterdam University Press, pp. 293-312.
- Bilborrow, Richard E., 2008. "Using Household Surveys to Study Independent Child Migration in Developing Countries: Methodological and Practical Issues." Technical Report, UNICEF Innocenti Research Centre, Florence, Italy, October
- Bilborrow, Richard E., 2008. "Using Household Surveys to Measure International Migration and Remittances in Developing Countries: Examples and Methodological Issues." Paper presented at Expert Group Meeting of UN Economic Commission for Europe, US Census Bureau, and World Bank, at US Census Bureau, Suitland, Maryland, January 14-15 (published on web at unece.org).
- Bilborrow, Richard E., and Jeannette Schoorl, 2006. *Gender and International Migration: Evidence from the NIDI-Eurostat Study*. New York: United Nations Population Division (un.org/esa/population).
- UN Population Division and Richard E. Bilborrow, 2006. "Summary Report," *International Symposium on International Migration and Development, Turin, Italy, June 28-30, 2006*. New York: UN Population Division, pp. 1-28 (un.org.desa/population).
- Pan, William K-Y., David L. Carr, and Richard E. Bilborrow, 2005. "Causes and Consequences of Farm Fragmentation: in Ecuador's Amazon," *Proceedings of Conference on Land Use and Rural Sustainability*, International Geographic Union, Aberdeen, Scotland, pp. 90-95.
- Bilborrow, Richard E., 2005. "Report of Seminar," *Seminar on the Relevance of Population Aspects for the Achievement of the Millennium Development Goals*, Report of United Nations Expert Meeting, November 17-19, 2004. New York: UN Population Division, Ch. I, pp. I-1 to I-23.
- Scientists Concerned for Yasuni National Park (Ecuador), 2004 (Bilborrow and 20 other scientists, mostly ecologists, contributed to the letter and Report as authors; 50 signed a letter to the Presidents of Ecuador, Brazil, Petrobras, etc.). *Technical Advisory Report*, pp. 32. Posted on web at www.findingspecies.org; reported in *New York Times*, Feb. 17, 2005, and in newspapers in Ecuador and Brazil.

Richard E. Bilborrow

- Bilborrow, Richard E., 2004. Report of UN Expert Meeting on November 17-19 on Relevance of Population Goals of International Conference on Population and Development (1994) for the Achievement of the Millennium Development Goals (2015). New York: Population Division, pp. 1-10. December 2004. Posted at UN.org website.
- Walsh, Stephen, Richard Bilborrow, Stephen McGregor, Brian Frizzelle, Joseph Messina, William K-Y.Pan, Kelley Crews-Meyer, & Greg Taff, 2003. "Integration of Longitudinal Surveys, Remote Sensing Time-Series, and Spatial Analyses: Approaches for Linking People and Place". In Jefferson Fox, Vinod Mishra, Ronald Rindfuss, & Stephen Walsh, eds. *Linking Household and Remotely Sensed Data: Methodological and Practical Problems*. Boston: Kluwer Publishing Co., pp. 91-130.
- Bilborrow, Richard, 2003. "Cambios demográficos y medio ambiente en la región Amazónica de los países Andinos". In Carlos Aramburu and Eduardo Bedoya, eds., *Amazonia: Procesos Demográficos y Ambientales*. Lima, Peru: Consorcio de Investigación Económica y Social, pp. 53-86.
- Carr, David, Alisson F. Barbieri, and Richard E. Bilborrow, 2003. "Population, Agricultural Land Use, and the Environment in Latin America at the Turn of the Millennium". *Proceedings of Open Meeting of the Human Dimensions of Global Environmental Change Research Community*, Montreal, Canada. Published on www.ciesin.edu.
- Murphy, Laura, Catherine Marquette, Francisco Pichon, and Richard Bilborrow, 2002. "Endogenous Patterns and Processes of Settler Land Use and Forest Change in the Ecuadorian Amazon". In Charles Wood, and Robert Porro, eds., *Deforestation and Land Use in the Amazon*. Gainesville, Fla.: University Press of Florida, pp. 241-282.
- Bilborrow, Richard E., 2002. "Migration and Land Use in Ecuador", In Global Science Panel, *Population in Sustainable Development* (International Union for the Scientific Study of Population, International Institute for Applied Systems Analysis, and United Nations University), pp. 6-7.
- Walsh, Stephen, Joseph Messina, Kelley Crews-Meyer, Richard Bilborrow & William K-Y Pan, 2002. "Characterizing and Modeling Patterns of Deforestation and Agricultural Extensification in the Ecuadorian Amazon". In Stephen Walsh & Kelley Crews-Meyer, editors, *Linking People, Place, and Policy: A GIS Approach*. Boston: Kluwer Publishing Co., pp. 187-214.
- Bilborrow, Richard E. 2001. "Chapter V. Migration, Population Change and the Rural Environment", in United Nations, *World Population Monitoring, 2001: Population, Environment and Development*. New York: United Nations Population Division, pp. 41-53.
- Bilborrow, Richard E., and William K-Y Pan, 2001. "Population Growth, Fragmentation of Plots and Changes in Land Use and Deforestation in the Ecuadorian Amazon", Published on website of International Union for the Scientific Study of Population (iussp@iussp.org).
- Bilborrow, Richard E., 2001. "Chapter VI. Gender, Migration and Development", in United Nations, *Gender, Migration and Development: World Monitoring Report, 2000*. New York: United Nations Population Division, pp. 146-160.
- Bilborrow, Richard E., and David Carr, 2001. Population, Agricultural Land Use, and the Environment in Developing Countries", in David R. Lee and Chris B. Barrett, eds., *Tradeoffs or Synergies? Agricultural Intensification, Economic Development and the Environment* (Wallingford, Oxon, U.K.: CABI Publishing Co.), pp. 35-56.
- Bilborrow, Richard E., and Paul Stupp, 2000. "Demographic Processes, Land and the Environment in Guatemala", published by POAM (website info@poam.org on documents on population and the environment in Central America), February.
- Pichón, Francisco, and Richard E. Bilborrow, 1999. "Land Use Systems, Deforestation, and Demographic Factors in the Humid Tropics: Farm-Level Evidence from Ecuador," in Richard E. Bilborrow and Daniel Hogan, eds., *Population and Deforestation in the Humid Tropics*, Liege, Belgium: IUSSP, pp. 175-207.
- Faust, Betty, and Richard E. Bilborrow, 1999. "Maya Culture, Population and the Environment in the Yucatan Peninsula", in Wolfgang Lutz, Warren Sanderson, and Lionel Prieto, eds., *Population, Development and the Environment in the Yucatan Peninsula*. Laxenburg, Austria: International Institute for Applied Systems Analysis, pp. 29-64.

Richard E. Bilborrow

- Catherine Marquette and Richard Bilborrow, 1998. "Population and Environment Relationships in Developing Countries: Recent Approaches and Methods", in Barbara Baudot and William Moomaw (eds.), *People and Their Planet: Searching for Balance*. New York: St. Martin's Press, pp. 29-44.
- Bilborrow, Richard E., 1998. "The State of the Art and Overview of the Chapters", Chapter 1, pp. 1-56, in R. Bilborrow, ed., *Migration, Urbanization and Development: New Directions and Issues, op. cit.*
- Bilborrow, Richard, Jenny Ericson and Reyna Mass Rodriguez, 1998. "Sistema de Monitoreo de Poblacion para la Reserva de la Biosfera de Calakmul--Una Propuesta". Merida and Mexico City, Mexico: Pronatura and World Wildlife Fund. Report.
- Bilborrow, Richard E., and Paul Stupp, 1997. "Procesos Demograficos, Tierra y el Medio Ambiente en Guatemala", in Luis Rosero-Bixby, Anne Pebley, and Alicia Bermudez Mendez, eds., *Seminario Internacional sobre la Población del Istmo Centroamericano*, Proceedings of Seminar in San Jose, Costa Rica, October 18-20, 1995. San Jose, Costa Rica: Universidad Nacional de Costa Rica, Programa Centroamericano de Población, pp. 111-133.
- Bilborrow, Richard E., and Paul Stupp. 1997. "Demographic Processes, Land and the Environment in Guatemala", in Anne Pebley, and Luis Rosero-Bixby, eds., *Demographic Diversity and Change in the Central American Isthmus*. Santa Monica, CA: The Rand Corporation, pp. 581-623.
- Bilborrow, Richard E., and Hania Zlotnik. 1995. "The Systems Approach and the Measurement of the Determinants of International Migration," in Rob van der Erf and Lisbeth Heering, eds., *International Migration: Issues in Measurement and Analysis*. Luxembourg: EUROSTAT.
- Bilborrow, Richard E., and Keshari Thapa. 1995. "Women and the Environment, in *The World's Women, 1995: Trends and Statistics*, pp. 47-59, Social Statistics and Indicators Series K, No. 12. New York: United Nations Statistical Office.
- Thapa, Keshari K. and Richard E. Bilborrow. 1994. "Frontier Migration and Environmental Degradation in Developing Countries: Experiences from Nepal & Ecuador", in John Clarke and Leon Tabah, eds., *Population-Environment-Development Interactions*. Paris: CICRED, pp. 253-271.
- Bilborrow, Richard E., and Paul Stupp. 1994. "Poblacion, Agricultura y Medio Ambiente: Implicaciones para Politicas de Población en Guatemala" ("Population, Agriculture and the Environment: Implications for Population Policies in Guatemala"). In Raúl Benítez Zenteno and Eva Gisela Ramírez, eds., *Políticas de Población en Centroamérica, el Caribe y México, Proceedings of Conference of Central America, Caribbean and Mexico on Population Policy*. Instituto Nacional de Administración Pública (Guatemala), and Instituto de Investigaciones Sociales, UNAM (Mexico City), Antigua, Guatemala, April 9-12, 1991. Mexico City: PROLAP, pp. 405-428.
- Bilborrow, Richard E., and Martha Geores. 1994. "Population Change, Land Use and the Environment: What Can We Learn from Cross-National Comparisons?" In Katrina Brown and David Pearce, eds., *The Causes of Tropical Deforestation*. London: University College of London, pp. 106-33.
- DeGraff, Deborah S., Richard E. Bilborrow, and Alejandro Herrin. 1994. "The Implications of High Fertility for Children's Time Use in the Philippines," in Cynthia Lloyd, ed., *Fertility, Family Size and Structure: Consequences for Families and Children*. New York: The Population Council, pp. 299-329.
- Bilborrow, Richard E. 1994. "Population, Development and Deforestation: Some Recent Evidence," in United Nations, *Population, Environment and Development*. New York: United Nations, 1994, pp.117-34; also Carolina Population Center Working Paper no. 92-04, July, 1992.
- Bilborrow, Richard E., and Martha Geores. 1994. "Population Change and Agricultural Intensification in Developing Countries," in Lourdes Arizpe, David C. Major, and Priscilla Stone, eds. *Population and the Environment: Rethinking the Debate*, New York: Westview Press, for Social Science Research Council, pp. 171-207.
- Bilborrow, Richard E. 1994. "Comments on Peter Donaldson's 'Population: A Sustainable Crisis'," in *Population: Growing as a Field*, Papers and Commentary from a Symposium Celebrating the 25th Anniversary of the Carolina Population Center, May 5-7, 1991. Chapel Hill, North Carolina: Carolina Population Center, pp. 13-15.

Richard E. Bilborrow

- Bilborrow, Richard E., and Hania Zlotnik. 1994. "The Measurement of the International Migration of Women: Data Sources and Methodological Issues," paper presented at XIII World Congress of Sociology, Bielefeld, Germany, July 18-23; *Sociological Abstracts*, vol. 42:94S27548.
- Bilborrow, Richard E. 1994. "Population, Environment and Development," *Contribution of IUSSP to the 1994 International Conference on Population and Development*, Proceedings of Session at IUSSP General Conference, Montreal, Canada, September 1, 1993. Liège, Belgium: IUSSP, pp. 51-4.
- Bilborrow, Richard E. 1994. "Towards a Rapid Assessment Survey of Poverty," in Rolph van der Hoeven and Richard Anker, eds. *Poverty Monitoring: An International Concern*, New York: St. Martin's Press, pp. 150-8.
- Bilborrow, Richard E. 1993. "Reflexiones Metodológicas sobre las Interrelaciones entre Procesos Demográficos y Problemas del Medio Ambiente en Areas Rurales de América Latina," ("Methodological Reflections on the Interrelationships Between Demographic Processes and Environmental Problems in Rural Areas of Latin America"), in Haydea Izazola and Susana Lerner, eds., *Población y Ambiente: Nuevas Interrogantes a Viejos Problemas*. Mexico City, D. F.: Sociedad Mexicana de Demografía, El Colegio de México, and The Population Council, pp. 93-104.
- Bilborrow, Richard E. and UN Secretariat. 1993. "Internal Migration of Women and Development: An Overview," in Richard Bilborrow, ed., *Internal Migration of Women in Developing Countries*, Proceedings of Expert Group Meeting, Aguascalientes, Mexico, October 22-25, 1991. New York: United Nations, 1993, pp. 1-17.
- Bilborrow, Richard E. 1993. "Issues in the Measurement of Female Migration in Developing Countries," in Richard Bilborrow, ed., *Internal Migration of Women in Developing Countries*, Proceedings of Expert Group Meeting Held in Aguascalientes, Mexico, October 22-25, 1991. New York: United Nations, pp. 116-30.
- Bilborrow, Richard E. 1993. "A Review of Low-Cost Data Collection Techniques and Recommendations for RASP," in Dharam Ghai and David Westendorff, eds. *Monitoring Social Progress in the 1990s: Data Constraints, Concerns and Priorities*, Aldershot, England, Avebury Press, pp. 180-204.
- Bilborrow, Richard E., and Peter Peek. 1992. "Peasant Farming and Labour Migration: Evidence from the Ecuadorian Highlands," *IUSSP Conference on The Peopling of the Americas, Veracruz, Mexico, May 18-23*. Liege, Belgium: IUSSP, Vol. 2, pp. 357-75.
- Bilborrow, Richard E., 1991. "Updating Malthus in Latin America," *Earthwatch* 41:10-12.
- Bilborrow, Richard E., and Lucía Ruiz. 1990. "Efectos Demográficos de Proyectos de Desarrollo Rural en el Ecuador," ["Demographic Effects of Rural Development Projects in Ecuador"] UNFPA/CELADE/CEDEM *Proceedings of Conference on Demographic Effects of Development Projects, Havana, Cuba, July 4-7, 1989*, San Jose, Costa Rica: CELADE, pp. 75-102.
- Bilborrow, Richard E., and David Hubacher. 1990. "La Estimación de los Efectos Demográficos de Proyectos de Desarrollo Rural: Una Evaluación Comparativa de Dos Metodologías de Recolección de Datos," [The Estimation of the Demographic Effects of Rural Development Projects: A Comparative Evaluation of Two Methods of Data Collection] UNFPA/CELADE/CEDEM *Proceedings of Conference on Demographic Effects of Development Projects, Havana, Cuba, July 4-7, 1989*, San Jose, Costa Rica: CELADE, pp. 261-82.
- Bilborrow, Richard E. 1989. "Las Funciones Demográficas en los Modelos Macroeconómico-Demográficos," ["Demographic Functions in Macroeconomic-Demographic Models"]. In Centro Latinoamericano de Demografía y CEPAL, *Población y Planificación; Seminario sobre Métodos y Modelos para Microcomputadores*, pp. 87-121. Santiago, Chile: CELADE.
- Bilborrow, Richard E., Peter Hess, and Amy Tsui. 1989. "Linkages Between the Demand for Children, Contraceptive Use and Fertility: Preliminary Evidence from Mexico and Unresolved Issues," *IUSSP, International Population Conference, New Delhi, India, September 20-27*, Vol. 3, pp. 331-48. Liege, Belgium: Ordina Editions.
- Bilborrow, Richard E. 1988. "Introducción" to Giancarlo Corsetti, ed., *Migración y Colonización Hacia el Municipio de Saravena (Arauca) y el Valle Guamez (Putumayo), Colombia [Migration and Colonization towards the Municipio of Saravena (Arauca) and the Valle of Guamez (Putumayo), Colombia]*, pp. xiii-xvi. Rome: Comitato Internazionale per lo Sviluppo dei Popoli.

- Bilborrow, Richard E. 1988. "Demographic Effects of Rural Development Projects: Lessons from the International Consortium and a New Project in Ecuador," United Nations Population Division, *Assessing the Demographic Consequences of Major Development Projects*, pp. 75-98. New York: United Nations.
- Bilborrow, Richard E., and Cecilia Moreno. 1988. "The Development of a Population Policy for Ecuador," Carolina Population Center Working Paper Series no. 88-26, Chapel Hill, North Carolina.
- Bilborrow, Richard E., and Paul Stupp. 1988. "Population and Agriculture in Central America: Focus-Guatemala," prepared for The Futures Group, Washington, DC, under subcontract to U.S. Agency for International Development, July; (also in Spanish: "Población y Agricultura en Centroamerica: Enfoque-Guatemala"), hard copy plus Storyboard-based color graphics software.
- Bilborrow, Richard E., John Akin, David Guilkey, Barry Popkin, H. Ashy, and A. Ismail. 1987. "Patterns and Determinants of Breastfeeding," in A. Hallouda, S. Farid, and Susan Cochrane, eds., *Egypt: Demographic Responses to Modernization*, pp. 447-82. Cairo: Central Agency for Public Mobilization and Statistics.
- Bilborrow, Richard E. 1985. "Collecting Community-level Data for Fertility Analysis," in John Casterline, ed., *The Collection and Analysis of Community Data*. Voorburg: International Statistical Institute, pp. 255-68.
- Bilborrow, Richard E. 1985. "The Integration of Population in Development Planning: Some Methodological Issues and Suggestions," *IUSSP International Population Conference, Florence*, vol. 3, pp. 355-72. Liège: Ordina Editions.
- Bilborrow, Richard E., and Pamela DeLargy. 1985. "Methodological Issues in Assessing the Population Impact of Rural Development Projects," in Bilborrow and DeLargy, eds., *Impact of Rural Development Projects on Demographic Behavior*. New York: UNFPA, pp. 169-99.
- Bilborrow, Richard E. 1984. *The 1982 Ecuador Demographic Survey: A Summary of Results, Laboratories for Population Statistics, Summary Series no. 9*. Chapel Hill: University of North Carolina, pp. 1-18.
- Bilborrow, Richard E. 1984. "Comments" on "The Effects of Rural Electrification on Fertility: A Survey of Evidence," in *Proceedings of the Workshop on the Relationships between Rural Electrification and Fertility*. Washington, DC: National Rural Electric Cooperatives Association and Population Issues Research Center, The Pennsylvania State University, November.
- Bilborrow, Richard E., and John Molyneaux. 1983. "The Determinants of Rural Fertility in Developing Countries" Carolina Population Center Working Paper no. 27, 40 pp.
- Bilborrow, Richard E. 1982. Review of Philip Hauser, ed., *World Population and Development: Challenges and Prospects*, in *Economic Development and Cultural Change* 30:433-41.
- Bilborrow, Richard E., Jeremiah Sullivan, Arjun Adlakha, and Anne Cross. 1981. "Collection of Birth and Death Data: POPLAB Approaches," International Program of Laboratories for Population Statistics (POPLAB) Publications Series 34, Chapel Hill, NC, November, 23 pp.
- Bilborrow, Richard E., Barry Popkin, Monica Yamamoto, and John Akin. 1979. "Breastfeeding Practices in Low-Income Countries: Patterns and Determinants," Carolina Population Center Working Paper 11, October, 33 pp.
- Bilborrow, Richard E. 1978. "Priority Areas for Future Research on Demographic-Economic Interrelationships," in United Nations *Population and Development Modeling*, Population Studies 73, pp. 74-87. New York: United Nations.
- Bilborrow, Richard E., Helen. P. Koo, and C. M. Suchindran. 1978. "Long-Term Marital Disruption, Fertility and Socioeconomic Achievement Associated with Adolescent Childbearing," Carolina Population Center Working Paper no. 2, April, 40 pp.
- Bilborrow, Richard E., and Norfleet W. Rives, Jr. 1976. "Toward an Economic-Demographic Planning Model for Developing Countries," Paper no. R/42, American University in Cairo, Egypt, April 1976; *Proceedings of the 12th International Conference on Statistics, Computation Science and Social Research*, 37 pp.

Bilborrow, Richard E. 1974. "Fertility, Savings Rates, and Economic Development in Less Developed Countries," *Proceedings of the International Population Conference, 1973, Liège, Belgium: International Union for the Scientific Study of Population*, pp. 445-61.

Other Manuscripts

Bilborrow, Richard E. 2021. "Land Use in Island Countries: A Meta Review of Demographic Aspects and Tourism Impacts."

Bilborrow, Richard E., and Samir Farid. 2018. "The Determinants of Migration from Egypt: Report to the World Bank Based on MEDHIMS Data. Washington, D.C.: World Bank. In revision to submit for publication.

Richard E. Bilborrow, & Jason Davis, 2015. International Migration from Tajikistan: Results of a Survey in Tajikistan, 2014. Submitted to World Bank (Moscow office). February.

Richard E. Bilborrow, Irina Denisova, & Jason Davis, 2015. International Migration from Tajikistan: Comparison of Results of Surveys in Tajikistan and Russia, May.

Bilborrow, Richard E., 2012. *International Migration and Remittances in the CIS States: Manual on Survey, Sample and Questionnaire Design*. Manual for World Bank for CIS Project on Surveys on International Migration. 150 pp.

Bilborrow, Richard, and Victoria Salinas, 2012. *Population Growth and Agricultural Change: Diverging Paths for Least Developed Countries and Other Developing Countries?* New York: United Nations Population Fund, project report, pp. 177 (on website).

Bilborrow, Richard. 2008. "Using Household Surveys to Study Independent Child Migration in Developing Countries: Methodological and Practical Issues." Technical Report submitted to UNICEF Innocenti Research Centre, Florence, Italy, October

Bilborrow, Richard. 2008. "Using Household Surveys to Measure International Migration and Remittances in Developing Countries: Examples and Methodological Issues." Paper presented at Expert Group Meeting of UN Economic Commission for Europe, US Census Bureau, and World Bank, at US Census Bureau, Suitland, Maryland, January 14-15 (available on web at unece.org).

Bilborrow, Richard E., 2006. *The Design of Samples for International Migration Surveys in Countries of Destination: Methodological Issues and Lessons from NIDI Surveys in Spain and Italy*, Report to World Bank, May. Washington, DC.

Bremner, Jason, and Richard E. Bilborrow, 2005. Background paper for PERN Cyberseminar on the Relevance of Population for the Achievement of the Millennium Development Goals on the Environment (for 2015), September.

Bilborrow, Richard E., 2003. *Population and Land Use: A Case Study of the Ecuadorian Amazon*. Rome: UN Food and Agricultural Organization, pp. 80.

Bilborrow, Richard E., with Laura Murphy, 1999. *Population, Development and the Environment in the Northern Ecuadorian Amazon: Policy Issues*. New York: UN Division on Sustainable Development, pp. 75.

Bilborrow, Richard, 1999. *The Determinants of International Migration: Issues in Data Collection and Analysis, with Special Reference to the NIDI Surveys*. New York: UN Population Division (unpublished).

Bilborrow, Richard E., Keshari Kansakar Thapa, and Laura Murphy. 1994. "Women and the Environment: Conceptual Issues and Evidence from the Ecuadorian Amazon," presented at IUSSP Seminar on *Women, Poverty and Demographic Change*, Oaxaca, Mexico, October 25-28.

Bilborrow, Richard E., and Thomas McDevitt, 1988. "Determinants of Migration Intentions in Rural Ecuador". Chapel Hill, NC: Carolina Population Center.

Richard E. Bilsborrow

- Bilsborrow, Richard E., Keshari Kansakar Thapa, and Laura Murphy. 1993. "Research on Population-Environment Relationships in Developing Countries at the Carolina Population Center, UNC/CH, 1991-93". Presented at CICRED-IIASA Meeting on Population and the Environment. Laxenburg, Austria, Nov. 24-26.
- Bilsborrow, Richard E. 1993. "Population Planning and Evaluation at the Local Level in Developing Countries: Data Needs and Data Usage," Background paper of OPTIONS II Regional Workshop on Strategic Planning for Decentralized Population Programs in Sub-Saharan Africa, Kampala, Uganda, June 13-20.
- Bilsborrow, Richard E., and Alfredo Mendez-Dominguez. 1992. "Population Growth, Rural Poverty and Environmental Degradation in Latin America, with a Case Study of Guatemala". Report to World Bank.
- Bilsborrow, Richard E. 1990. *Demographic Effects on Rural Development in Latin America: An Assessment of the Literature and Recommendations*, UN Food and Agricultural Organization (Rome), 206 pp.
- Bilsborrow, Richard E., and Malcomb J. Foley. 1988 "A Mathematical Partitioning Scheme: Properties and Applications". University of North Carolina, Chapel Hill, NC: Carolina Population Center.
- Bilsborrow, Richard E., and Paul Stupp. 1987. *Effects of Demographic Change on Rural Development in Sub-Saharan Africa*, Monograph for UN Food and Agricultural Organization/International Labour Office Project on Agricultural Development in Africa, 140 pp.
- Bilsborrow, Richard E., and Malcomb J. Foley. 1983. *La Planificación de Educación: Un Modelo Nuevo, con un Estudio de Caso del Ecuador (Education Planning: A New Model, with a Case Study of Ecuador)*. Quito.
- Bilsborrow, Richard E. 1982. "Population-Development Research: A Methodological Assessment," Report to UNFPA, New York. Chapel Hill, North Carolina, 145 pp.
- Bilsborrow, Richard E., and Helen P. Koo. 1979. "Women's Lifetime Fertility, Labor Force Activity, and Age at First Birth: Results from a Simultaneous Equations Model," Department of Biostatistics, University of North Carolina, and Research Triangle Institute.
- Bilsborrow, Richard E., and Helen P. Koo. 1979. "Multivariate Analyses of Effects of Age at First Birth: Results from the 1973 National Survey of Family Growth and 1975 Current Population Survey," Research Triangle Institute and the University of North Carolina.
- Bilsborrow, Richard E., and Helen P. Koo. 1979. "Demographic and Socioeconomic Associations with Age at First Birth based upon Data from the 1973 National Survey of Family Growth". Chapel Hill, NC: Department of Biostatistics.
- Bilsborrow, Richard E., and Stephen Slavin. 1979. "The Barbados Family Planning Association: A History and Evaluation". Chapel Hill, NC: Carolina Population Center.
- Bilsborrow, Richard E., and Marie-Daniele Fichet. 1975. "The Effects of Population Growth on Trends in Education in Developing Countries: Quantitative and Qualitative Indicators". Chapel Hill, NC: International Program of Laboratories for Population Statistics, Department of Biostatistics.
- Bilsborrow, Richard E. 1972. "A Critical Review of the Concept and Measurement of Economic Dependency," Princeton, NJ: Office of Population Research, Princeton University.

Participation in Professional Conferences

- Salinas Castro, Victoria, Richard E. Bilsborrow, & Alisson Barbieri. 2021. "Life Cycle of Indigenous Amazonian Households and Their Livelihoods: Changes over the Past 20 Years and Future Perspectives." Poster presented at Annual Meeting of the Population Association of America, May 5-8, St. Louis, MO. (virtual)
- Bilsborrow, Richard. 2020. Comments in honor of Gordon DeJong at IUSSP 2020 Laureate Ceremony (webinar). June 8.

Richard E. Bilborrow

- Zhang, Huijie, Li An, Richard Bilborrow, Shuang Yang, Jie Dai, Lei Shi, Weiyong Zhang, 2020. "Neighborhood Impacts on Household Participation in Payments for Ecosystem Services Programs." Presented at Annual Meeting of Association of American Geographers, April 6-10, Denver.
- Bilborrow, Richard E., 2019. "Contemporary international migration: Contrasting determinants ranging from labor to climate, from Egypt to Guatemala." At UN Population Division, Department of Economic and Social Affairs, United Nations, New York, August 30.
- Bilborrow, Richard E., 2019. "What do we know about population-environment linkages in the Amazon from micro-level research? A quarter century perspective from Ecuador, and PES program effects on Farmers in China." Presented at Vietnam National University of Agriculture. Hanoi, January 10.
- Richard E. Bilborrow, 2019. Discussant at two sessions, "Vulnerability and Resilience in Hotspots of Environmental Change", and "Temporary and Circular Migration." At Annual Meeting of the Population Association of America, 10-13 April, Austin, TX.
- Sellers, Samuel, and Richard E. Bilborrow, 2018. "Agricultural Technology Adoption among Inhabitants of the Northern Ecuadorian Amazon." Poster at Annual Meeting of Population Association of America, Denver, Colo., April 25-28.
- Richard E. Bilborrow, 2018. Discussant at closing ceremony of International Conference of Institut National d'Etudes Demographique, Migration, Environnement et Climat: Quelles Inegalites Face aux Risques? Paris, Jardin des Plantes, October 22-23.
- Salinas, Rosa Victoria, and Richard Bilborrow, 2017. "¿Qué pasó con la fecundidad en las poblaciones indígenas de la Amazonía ecuatoriana en el inicio del Siglo XXI?" Presented at Annual Conference of Latin America Population Association and Brazilian Population Society (ABEP), Iguazu Falls, Argentina, February 20-24.
- Bilborrow, Richard E., 2017. "Methodological Aspects of Surveys of International Migration in the MED-HIMS Project." World Bank, Washington, DC, March 23.
- Davis, Jason, & Richard E. Bilborrow, 2017. "Fertility after Natural Disasters: Hurricane Mitch in Nicaragua." Presented at Annual Meeting of Population Association of America, Chicago, March 26-29 (presented by Bilborrow).
- Bilborrow, Richard E., 2017. "What do we know about human-environment linkages in the Amazon form Micro-level research? A quarter century perspective focusing on Ecuador." Presented at Annual Meeting of Association of American Geographers, Boston, MA., April 4-9.
- Zhang, Qi, Bilborrow, R.E. and Song, C., 2017. "Impacts of China's Payments for Ecosystem Services Programs on Rural Livelihoods: A Case Study in Anhui." Presented at Annual Meeting of Association of American Geographers, Boston, MA, April 4-9.
- Wang, Ying, Bilborrow, R.E., Song, C., Jiangfeng Li, Zhang, Q., 2017. "Multi-group analysis of the direct and indirect determinants of rural household labor allocation: A case study in Tiantangzhai Township, Anhui Province, China." Presented at Annual Meeting of Association of American Geographers, Boston, MA, April 4-9.
- An, Li, Zhang, W., Shi, L, Bilborrow, R.E., Yang, S., & Chen, X., 2017. "Complexities in Participating in Payments for Ecosystem Services Programs." Presented at Annual Meeting of Association of American Geographers, Boston, MA, April 4-9.
- Bilborrow, Richard E., 2017. "Poblaciones Amazonicas y Medio Ambiente en la Amazonia Ecuatoriana." Presented at Universidad Estatal Amazonica, Puyo, Ecuador, June 2.
- Bilborrow, Richard E., 2017. "Migration and environment linkages in Ecuador: things we know and don't know." Presented at Workshop on Migration and Environment, Institut Nacional d'Etudes Demographiques, Paris, June 23.

Richard E. Bilborrow

- Farid, Samir, Ingrid Ivins & Richard Bilborrow, 2017. The MED-HIMS Research Programme: Scope and Methodology. Presented at 61st World Statistics Congress, International Statistics Institute, Marrakech, Morocco, July 18.
- Bilborrow, Richard E., 2017. Sample Design for Surveys on International Migration: MED-HIMS Methods and Applications in Egypt and Jordan. Presented at 61st World Statistics Congress, International Statistics Institute, Marrakech, Morocco, July 18.
- Bilborrow, Richard E., 2017. Discussant at Session STS 037, Determinants of International Migration in the Middle East and North Africa: Insights from the MED-HIMS Surveys. Presented at 61st World Statistics Congress, International Statistics Institute, Marrakech, Morocco, July 18.
- Bilborrow, Richard E., 2017. What do we know about migration-environment linkages in the Amazon from micro-level research? A quarter century perspective focusing on Ecuador. Invited Panel Presentation on Population-Environment Research, at Workshop of IUSSP International Population Conference, Cape Town, South Africa, Nov. 1.
- Salinas Castro, Rosa Victoria, and Bilborrow, Richard E., 2017. Lifecycles of Indigenous Populations and the Environment: A Case Study of the Ecuadorian Amazon; poster at IUSSP International Population Conference, Cape Town, SA, Oct. 29-Nov.4.
- Gray, Clark, Maia Call, Richard Bilborrow, and Michael Emch, 2017. Indigenous Health in the Ecuadorian Amazon: A Multilevel and Longitudinal Analysis. Presented at IUSSP International Population Conference, Cape Town, SA, Oct. 29-Nov.4 (presented by Bilborrow).
- Walsh, Stephen, & Bilborrow, Richard E., 2017. "NASA Islands Synthesis Report", NASA Webinar via skype. Chapel Hill, Institute of Environment, University of North Carolina at Chapel Hill, December 10 (presented by Walsh).
- Zhang, Qi, Bilborrow, R.E. and Song, C., 2016. "Out-Migration under China's 'Grain-For-Green' Program in Rural China: A Case Study in Tiantangzhai, Anhui." Presented at Annual Meeting of Association of American Geographers, San Francisco, March 27-April 1.
- Gray, Clark, and Richard Bilborrow, 2016. "Indigenous Health in the Ecuadorian Amazon: A Multilevel and Longitudinal Analysis." Presented at Annual Meeting of Population Association of America, Washington DC, March 29-April 2 (presented by Bilborrow).
- Davis, Jason, Richard Bilborrow, Clark Gray & Samuel Sellers, 2016. "Indigenous Migration Dynamics in the Ecuadorian Amazon: A Longitudinal and Hierarchical Analysis." Presented at Annual Meeting of Population Association of America, Washington DC, March 29-April 2.
- Gray, Clark, and Richard Bilborrow, 2016. "Drivers of Changing Indigenous Land Use in the Ecuadorian Amazon " Presented at Annual Meeting of Population Association of America, Washington DC, March 29-April 2 (presented by Bilborrow).
- Sellers, Samuel, and Richard Bilborrow, 2016. "Population and Development in the Amazon: A Longitudinal Study of Migrant Settlers in Ecuador." Poster presented at Annual Meeting of Population Association of America, Washington DC, March 29-April 2.
- Bilborrow, Richard E., 2016. "Estudios sobre Migración, con énfasis en Ecuador y Guatemala" (Studies on Migration, with emphasis on Ecuador and Guatemala). Universidad Nacional de San Carlos, Guatemala, Guatemala, August 7.
- Salinas, Rosa Victoria, and Richard Bilborrow, 2016. "Qué pasó con la fecundidad en las poblaciones indígenas de la Amazonía ecuatoriana en el inicio del Siglo XXI?" Presented at Conference on Population, Asociacion Latinoamericana de Demografia, Iguazu Falls, Brazil, October 17-20.
- Bilborrow, Richard, Zhang, Qi, & Song, Conghe, 2015. "Livelihoods as the Key Glue in Models to Evaluate the Impacts of the PES Program on the Environment: Towards a Case Study of the SLCP Program in China." Presented at Annual Meeting of Association of American Geographers, Chicago, IL April 21-25 (presented by Song).

Richard E. Bilborrow

- Yang, Shuang, Richard Bilborrow, & Li An, 2015. "How Grain to Green Program influences local people's decisions to migrate: A case study of Fanjingshan National Nature Reserve, China." Presented at Annual Meeting of Association of American Geographers, Chicago, IL April 21-25 (presented by Yang).
- Zhang, Qi, Bilborrow, Richard, & Song, Conghe, 2015. "Evaluating Impacts of the SLCP Program on Migration in China: Preliminary Evidence from Anhui, China." Presented at Annual Meeting of Association of American Geographers, Chicago, IL, April 21-25 (presented by Zhang).
- An, Li, Shuang Yang, Richard Bilborrow, Rebecca Lewison, Xiaodong Chen, 2015. "Evaluating Payments for Ecosystem Services: Evidence from a Chinese Nature Reserve." Presented at Annual Meeting of Association of American Geographers, Chicago, IL, April 21-23 (presented by Li An).
- Bilborrow, Richard, & Victoria Salinas, 2015. "Population Growth and Agricultural Change in Africa: A 50-Year Assessment." Presented at Annual Meeting of Population Association of America, San Diego, CA, April 30-May 2.
- Bilborrow, Richard, & Victoria Salinas, 2015. "Cambios Socio-económicos en las Poblaciones Indígenas de la Amazonía Ecuatoriana." Presented at International Conference on Research and Experience: Strengthening Capacities for the Conservation of a Changing Amazon. National University of Ucayali, Pucallpa, Perú, May 19.
- Bilborrow, Richard, 2015. "The Design of the Survey to Collect Data for Modeling the Potential Impacts of SLCP on People and the Environment in Anhui and Shanxi Provinces, China." Presentation at Universidad San Francisco de Quito, Ecuador, June 8.
- Bilborrow, Richard, 2015. "International Migration from Tajikistan: Results of a Survey in Tajikistan, 2014." Presented at World Bank International Videoconference, from World Bank Office, Quito, Ecuador, June 16.
- Bilborrow, Richard, & Victoria Salinas, 2015. "Cambios Socio-económicos en las Poblaciones Indígenas de la Amazonía Ecuatoriana". Presented at Conference on Closure of Project on Biodiversity and Higher Education on the Amazon (Results of USAID-HED Funded Project of UNC-USFQ on Andean Amazon), Universidad San Francisco de Quito (USFQ), Quito, Ecuador, June 18.
- Sellers, Samuel, & Richard Bilborrow, 2015. "Actualización de la Situación de Colonos en la Amazonía Ecuatoriana, 1990 a 2014." Presented at Conference on Closure of Project on Biodiversity and Higher Education on the Amazon (Results of USAID-HED Funded Project of UNC-USFQ on Andean Amazon), Universidad San Francisco de Quito (USFQ), Quito, Ecuador, June 18.
- Vasco, Cristian, and Richard Bilborrow, 2015. "Aporte del empleo fuera de finca a los ingresos de hogares indígenas y mestizos de la Amazonía Ecuatoriana" (Contribution of off-farm employment to incomes of indigenous and mestizo households in the Ecuadorian Amazon), Presented at Third International Conference on Economics, Quito, Ecuador, July 13-17.
- Bilborrow, Richard, 2015. "Existing survey programs and need for new modules on migration for the new Sustainable Development Goals." Presented at UN Expert Group Meeting on Strengthening the Demographic Evidence Base for the Post-2015 Development Agenda, Population Division, Department of Economic and Social Affairs, United Nations, New York, October 5-6.
- Bilborrow, Richard, 2015. "Improving Global Statistics on International Labour Migration." Presented at International Labor Office Working Group Meeting on "Improving Data on International Labour Migration", Istanbul, Turkey, October 20-22.
- Gray, Clark, Matt Bozinger, & Richard Bilborrow, 2014. Wild Resource Use in the Ecuadorian Amazon: A Multi-ethnic and Longitudinal Approach. Presented at Annual Meeting of the Population Association of America, Boston, MA, May 1-3 (presented by Gray).
- An, Li, Stuart Aitken, Richard Bilborrow, et al., 2014. "Impacts of Payments for Ecosystem Services in Coupled Natural and Human Systems." Presented at Annual Meeting of Association of American Geographers, Tampa, FL, April 8-12 (presented by Li An).

Richard E. Bilborrow

- Yang, Shuang, Weiyong Zhang, Richard Bilborrow, et al., 2014. "PES policies and migration: A case study of Fanjingshan National Nature Reserve, China". Presented at Annual Meeting of Association of American Geographers, Tampa, FL., April 8-12 (presented by Shuang Yang).
- Bilborrow, Richard, 2014. "The Design of Surveys to Collect Data for Modeling the Potential Impacts of SLCP on People and the Environment in Anhui and Shanxi Provinces." Presentation at Wuhan Botanical Garden, Wuhan, China, June 6.
- Bilborrow, Richard, 2014. "Migration and the Environment: Theory and Some Evidence from the Ecuadorian Amazon and China." Presented at Anhui Agricultural University, Hefei, China, May 21.
- Bilborrow, Richard, 2014. "Migration and the Environment: Evidence from Ecuador and China." Presented at Tongren College, Tongren, Guizhou Province, China, June 9.
- Bilborrow, Richard, and Carlos Mena, 2014. "Avances en El Proyecto HED sobre Educación Superior en el Ecuador". Presented at Workshop of USAID-HED Project of International Program of Conservation in the Andean Amazon (ICAA), Acamayacu, Colombia, June 18-20.
- Bilborrow, Richard, 2014. "Assessment of Tabulation and Analysis Plan of MEDHIMS Household Surveys." Presented at MEDHIMS Conference on Analysis of Data from Mediterranean Household Survey of International Migration. Athens, Greece, December 2-5.
- Bilborrow, Richard, & Victoria Salinas, 2014. "Población, Deforestación y Medio Ambiente en la Amazonía Ecuatoriana," Presented as part of Project on Improving Higher Education on the Amazon, Project of the University of North Carolina at Chapel Hill and Universidad San Francisco de Quito. Presented to government and private sector stakeholders, Francisco de Orellana (Coca), Orellana Province, Ecuador, December 18.
- Repeated in Nueva Loja (Lago Agrio), Sucumbios Province, Ecuador, December 19, 2014.
- Pan, William K., Beth Feingold, Richard E. Bilborrow, et al. "Population, Health and Environmental Change along the Interoceanic Highway." Poster at IUSSP IPC 2013 Conference, Busan, Republic of Korea, August 2013
- Bilborrow, R.E., 2013. Presentation on "MEDHIMS Sample Design Issues: Examples of Egypt and Jordan," at MED-HIMS Sixth Regional Workshop, Brussels, July.
- Bilborrow, Presentation on "MEDHIMS Sample Design: Prospects for Morocco," Office of Statistics, Ministry of Economic Planning, Rabat, Morocco, March 2013.
- Davis, Jason, Richard Bilborrow, Clark Gray, Samuel Sellers, 2013. Determinants of Migration of Indigenous Populations in the Ecuadorian Amazon, Poster at PAA, New Orleans, April 11-13 (presentation by Davis).
- Bilborrow, Invited presentation on "Sample Design for Surveys on International Migration", at MAFE Conference on International Migration from Africa to Europe, Inst. Nacional des Etudes sur le Demographe (INED), Paris, December 2012.
- Discussant at Conference of American Statistical Association, International Conference on Surveying and Enumerating Hard to Reach Populations, New Orleans, Oct. 31-Nov. 3, 2012.
- Bilborrow, Presentation in UNECE/World Bank Workshop on Migration Statistics, Geneva, on prototype household survey questionnaires on international migration I developed for Confederation of Independent States, for World Bank, October 2012.
- Bilborrow, Presentation on MED-HIMS Sample Design at International Conference of UN Economic Commission for Europe-(UNECE)-EUROSTAT on Statistics on International Migration. Geneva Switz., October 2012.
- Bilborrow, Presentation on "Demographic Factors and Land Use: Case Study of the Ecuadorian Amazon, at Regional Institute for Population Studies, University of Ghana, Legon, July 2012.

Richard E. Bilsborrow

- Bilsborrow, Presentation on “Shortcomings in International Migration Statistics and Need for Specialized Surveys”, at US Census Bureau, invited talk during Census Week as Visiting Scholar, August 2012.
- Bilsborrow, and Victoria Salinas, Presentation on “Findings from Research on Indigenous Populations in the Ecuadorian Amazon”, at Grupo Faro, Quito, Ecuador, February 15, 2012.
- Bilsborrow, 2011. “Review of Data on International Migration from Household Surveys in CIS States and Recommendations.” Presented to World Bank Staff, World Bank, Washington DC, December 20.
- Bilsborrow, 2011. “Linking Data Collection on International Migration in Household Surveys in CIS States.” Presented via Video Conference from World Bank Headquarters, Washington DC, with visual hookup with 10 CIS Country Statistical Offices, in Moscow, Yerevan, Kiev, Minsk, Baku, Astana, Chisenau, Dushanbe, Bishkek, Tashkent. December 19.
- Henry, Sabine, and Richard E. Bilsborrow (2011). “Migration destination choice: A place utility approach in Burkina Faso.” Presented at Asia Regional Conference of International Union for the Scientific Study of Population, Fuzhou, China, December 2-5 (presented by Henry).
- Bilsborrow, Richard E., 2011. “Data Collection and Analysis Adventures in the Ecuadorian Amazon.” Presented at Department of Biostatistics, University of North Carolina at Chapel Hill, November 30.
- Bilsborrow, Richard E. (2011). “Sampling Migrants in Specialized Surveys of International Migration.” Presented at Meeting of MED-HIMS Project, Intercontinental Hotel, Cairo, Egypt, September 21.
- Bilsborrow, Richard E. (2011). “Regional Review of Household Surveys Dealing with Migration: Lessons from CIS Region and Key Recommendations.” Presented at Conference on Strengthening Sub-National Statistical Capacity for Evidence-based Policy-making, May 17, Hotel Izmailovo, Moscow, Russia.
- Bilsborrow, Richard E. (2011). “Survey Design and Sampling Issues of Migration Surveys:” Presented at Conference on Strengthening Sub-National Statistical Capacity for Evidence-based Policy-making, May 18, Hotel Izmailovo, Moscow, Russia.
- Bilsborrow, Richard E. (2011). Invited Lecture. “Data on International Migration in Eastern Europe and Central Asia: The Value and Use of Household Surveys.” Presentation at Higher School of Economics, Moscow, May 19.
- Bilsborrow, Richard E. (2011). Invited lecture. “Temas metodológicos claves en el estudio de la migración en países en desarrollo: teoría, recolección de datos y políticas” (Key methodological themes in the study of migration in developing countries: Theory, data collection and policy). Presented at Seminario sobre Mobilidade Espacial e Vulnerabilidade Social: Desafios Teórico-metodológicos e Resultados de Pesquisa, Universidade do Campinas, Campinas, Brasil, April 27.
- Gray, Clark, and Richard E. Bilsborrow (2011). “Consequences of Out-Migration for Land Use in Rural Ecuador.” Presented at Annual Meeting of Population Association of America, Washington DC, March 30-April 2.
- Codjoe, Samuel, and Richard Bilsborrow (2011). “Are migrants exceptional resource degraders? A study of agricultural households in Ghana,” Presented at Annual Meeting of the Population Association of America, Washington DC, March 30-April 2.
- Bilsborrow, Richard E. (2011). Invited lecture. “Poblacion, Desarrollo y el Medio Ambiente en la Amazonia Ecuatoriana: Dos Décadas de Investigaciones” (Population, Development and the Environment in the Ecuadorian Amazon: Two Decades of Research). Presented at Universidad de Pachuca, Pachuca, Mexico, February 25.
- Bilsborrow, Richard E. (2010). “International Migration and Remittances in Eastern Europe and Central Asia: Using Household Surveys to Improve Migration Analysis and Policy Responses”, Presentation to World Bank Staff, Washington, D.C., November 23.
- Bilsborrow, Richard E. (2010). “The Use of Household Surveys to Collect Better Data on International Migration and Remittances, with a Focus on the CIS States”, International Video Conference linked to Statistical Offices of CIS States (Russia, Belarus, Ukraine, Kazakhstan, Kyrgyz Rep., Uzbekistan, Tajikistan, Armenia), Washington, D.C., November 23 (with Victor Sulla and Sudharshan Canavaragah, for the World Bank).

Richard E. Bilborrow

- Bilborrow, Richard E. (2010). Invited lecture. "Poblacion, Deforestacion y Medio Ambiente: Que estamos aprendiendo de la Amazonia Ecuatoriana", Plenary Session, Annual Meeting of the Mexican Population Association, SOMEDE, at El Colegio de Mexico, Mexico City, November 6.
- Bilborrow, Richard E., (2010). "TAPS at 25!" Presentation at the Triangle Area Population Society, Japanese-Thai Restaurant, Chapel Hill, NC, October 20 (with B. Entwisle, N. Williamson, C. Suchindran, E. Stallard, and H. Koo).
- Bilborrow, Richard E. (2010). "The Status of Data on International Migration in Eastern Europe and the CIS States," Conference on International Migration of MIRPAL (Migration and Remittances Peer-Learning Network), Moscow, June 8-10, for the World Bank.
- Bilborrow, Richard E. (2010) "International Migration from North Africa, with a Focus on Egypt: Status of the data and recommendations," Presented at Meeting on Results of Project on Labor Migration from North Africa, World Bank and European Commission, at CAPMAS (Central Agency for Public Mobilization and Statistics), Cairo, Egypt, May 8.
- Bilborrow, Richard E. (2010). "Environmental Influences on Migration in Rural Ecuador", at Annual Meeting of Population Association of America, Dallas, April 14-17 (with Clark Gray).
- Codjoe, Samuel, and Richard Bilborrow (2010). "Population and Agriculture in the Derived and Dry Savannah Zones of Ghana", at Annual Meeting of Population Association of America, Dallas, April 14-17.
- Bilborrow, Richard E., (2010). Invited Lecture. "The Ecuador Amazon Project of UNC Since 1989: Methods or Madness", Presentation at the Triangle Area Population Society, Sitar Palace, Durham, March 23.
- Bilborrow, Richard E. (2010). "International Migration from North Africa: Status of the data, needs for improvements and policy recommendations," Presented at Meeting at World Bank, Washington, DC, February 22.
- Bilborrow, Richard E. (2010). "Deforestation in the Ecuadorian Amazon: Methodologies for Measurement and Analysis," presented at Global Meeting of REDD (Reducing Emissions from Deforestation and Forest Degradation) Global Staff and Scholars, Carolina Population Center, UNC-CH, Chapel Hill, NC, January 13.
- Bilborrow, Richard E. (2010). "International Migration from North Africa, with a Focus on Tunisia: Status of the data and recommendations," Presented at Meeting on Results of Project on Labor Migration from North Africa, World Bank and European Commission, Tunis, Tunisia, January 5-6.
- Bilborrow, Richard E. (2009). "Demographic Trends and the Problem of Scarcity: Theoretical Perspectives," International Meeting on the Demographic Factor in the Contemporary Environmental Crisis, El Colegio de Mexico, Mexico City, Dec. 3.
- Bilborrow, Richard E. (2009) "Households, Natural Resources and Poverty: Methodologies Used and Results from the Ecuadorian Amazon," International Meeting on the Demographic Factor in the Contemporary Environmental Crisis, El Colegio de Mexico, Mexico City. Dec. 4.
- Bilborrow, Richard E. (2009). "International Migration from North Africa: Status of the data, Needs for Improvements, and Policy Implications," presented at Meeting on Labor Migration from North Africa, sponsored by the World Bank and European Commission, Hilton Hotel, Brussels, Belgium, October 26-27.
- Bilborrow, Richard E., and Luis Limachi (2009). "Population, Vulnerability and Poverty: A Methodological Exploration Based on Iquitos, Peru," presented at International Union for the Scientific Study of Population, International Conference on Population, Marrakech, Morocco, September 27-October 2.
- Lu, Flora, Clark L. Gray, Richard Bilborrow, Carlos Mena, Christine M. Erlien, Jason Bremner, Stephen J. Walsh (2009). "Contrasting colonist and indigenous impacts on Amazonian forests," presented at *ibid*.
- Bremner, Jason, Flora Lu, Richard Bilborrow (2009). "Demographic change and livelihood diversification among indigenous populations of the Ecuadorian Amazon," presented at *ibid*.

Richard E. Bilsborrow

- Henry, Sabine J. F., and Richard E. Bilsborrow (2009). "Migration destination choice: a place utility approach in Burkina Faso," presented at *ibid*.
- Bilsborrow, Richard E. (2009), "Demografía, economía del hogar, y uso de recursos naturales de poblaciones indígenas en la Amazonía Ecuatoriana" ("Demography, the Household Economy, and Use of Natural Resources by Indigenous Populations in the Ecuadorian Amazon"), Presented at Sheraton Hotel, Lima, Perú, sponsored by Instituto del Perú and University of San Martin de Porras, August 20.
- Bilsborrow, Richard E. (2009), "Colonización, Deforestación y Condiciones de Vida en la Amazonía Ecuatoriana (Colonization, Deforestation and Living Standards in the Ecuadorian Amazon)," Presented at Grupo Faro, Quito, Ecuador, August 17.
- Bilsborrow, Richard E. (2009), Invited Lectures, Universite Catholique de Louvain (Belgium): "Population, Development and the Environment: Explorations in the Ecuadorian Amazon, Past, Present and Future," June 2. "Migration: Survey and Sample Design, and Investigating Migration-Environment Relationships," June 3.
- Bilsborrow, Richard E., and Luis Limachi (2009). "Population, Vulnerability and Poverty: A Methodological Exploration Based on Iquitos, Peru", presented at Annual Meeting of Population Association of America, Detroit, MI., April 30-May 2.
- Bilsborrow, Richard E. (2009). "The statistical capacity to study international migration in selected Maghreb countries and Egypt, focusing on sample surveys." Presented at World Bank, Washington, DC, April 20.
- Bilsborrow, Richard E. (2009). "Sampling issues in designing specialized surveys on international migration." Presented at MEDSTAT Regional Workshop on Household International Migration Surveys in the Mediterranean Countries (MED-HIMS)", Brussels, Belgium, February 16-19.
- Bilsborrow, Richard E. (2009). "Household surveys on international migration: Recent experience in developing countries and key principles of survey design." Presented at MEDSTAT Regional Workshop on Household International Migration Surveys in the Mediterranean countries (MED-HIMS)", Brussels, Belgium, February 16-19.
- Bilsborrow, Richard (2009). "Demografía, Economía del Hogar, y Uso de Recursos Naturales por Grupos Indígenas de la Amazonia Ecuatoriana (Demography, the Household Economy, and Use of Natural Resources by Indigenous Populations in the Ecuadorian Amazon)", presented at UN Habitat Meeting, Quito, Ecuador, January 23.
- Mena, Carlos, Stephen Walsh, Richard Bilsborrow, and Brian Frizzelle. 2008. "Modeling Land Use Change in the Ecuadorian Amazon," presented at LBA Conference, Manaus, Brazil, November 19.
- Barbieri, Alisson, and Richard Bilsborrow, 2008. "Rural-urban Linkages, Population Mobility and Urbanization in the Ecuadorian Amazon," presented at LBA Conference, Manaus, Brazil, November 18.
- Bilsborrow, Richard. 2008. "Using Household Surveys to Study Independent Child Migration in Developing Countries: Methodological and Practical Issues." Presented at UNICEF Innocenti Research Centre, Florence, Italy, July 30
- Bilsborrow, Richard. 2008. "Colonización, Deforestación y Condiciones de Vida en la Amazonia Ecuatoriana: Análisis de los cambios sociales, económicos y de uso de la tierra." Presented at Instituto de Investigaciones de la Amazonia Peruana, Iquitos, Peru, July 4, 2008; also presented at Ecociencia, Quito, Ecuador, July 12, 2008.
- Bilsborrow, Richard. 2008. Chair and discussant, Session on Health and Migration, Annual Meeting of Population Association of America, New Orleans, April 13-16.
- Bilsborrow, Richard. 2008. "International Migration in the New Millennium: Who Migrates and Why?" at Conference on Migration, Rights, and Identities, University of Utah, Salt Lake City, February 28-29.
- Bilsborrow, Richard. 2008. "Using Household Surveys to Measure International Migration and Remittances in Developing Countries: Examples and Methodological Issues." Paper presented at Expert Group Meeting of UN Economic Commission for Europe, US Census Bureau, and World Bank, at US Census Bureau, Suitland, Maryland, January 14-15.
- Bilsborrow, Richard, 2007. "Surveys of International Migration", Sixth Coordination Meeting on International Migration, United

Richard E. Bilsborrow

Nations Population Division, New York, November 26-27.

Brown, Kevin, Richard E. Bilsborrow, and William Kalsbeek, 2007. "Mortality estimation in conflict zones characterized by migration: A simulation-based investigation". Presented at Annual Meeting of American Public Health Association, November 3-7, Washington, DC.

Bilsborrow, Richard, 2007. "International Migration, Remittances, and Gender in Guatemala", *Migrantes Internacionales de Guatemala: Remesas y Perspectiva del Género*, International Organization for Migration, Guatemala City, October 4.

Richard E. Bilsborrow, 2007. "Measuring International Migration through Sample Surveys", Expert Group Meeting, United Nations Statistics Division, New York, September 24-28.

Richard E. Bilsborrow, 2007. "Population, Development and the Environment: Explorations in the Ecuadorian Amazon", Mahidol University, Bangkok, Thailand, July 4.

Barbieri, Alisson F., Roberto Monte-Mor, and Richard E. Bilsborrow, 2007. "Towns in the jungle: exploring linkages between rural urban mobility, urbanization and development in the Amazon". Workshop of IUSSP, CICRED and PERN on Urban Population, Development and Environment Dynamics, Nairobi, Kenya, June 11-13.

Richard E. Bilsborrow, Alisson F. Barbieri, Bolier Torres-Navarrete, and Luis Limachi, 2007. "Ruminations and Ruminants: Thoughts and data on Vulnerability and Poverty in the Andean Amazon." Presented at Meeting of Association of American Geographers, San Francisco, Calif., April 17-21.

Richard E. Bilsborrow, 2007. "Designing Surveys of International Migrants: The Needle in the Haystack, or Finding the Right Haystack? A Case Study of Colombians in Ecuador." Presented at Population Association of America, New York City, March 28-31.

Richard E. Bilsborrow, Alisson F. Barbieri, and Bolier Torres-Navarrete, 2007. "Population, Land Use Change, and Changing Fortunes of Migrant Settler Households in the Ecuadorian Amazon." Presented at Population Association of America, New York City, March 28-31.

Mena, Carlos, Stephen Walsh, and R. E. Bilsborrow, 2007. "Factors Affecting Land Use Change in the Northern Ecuadorian Amazon: Models Based on Spatially Explicit Simulations," at Annual LBA Meeting, NASA, College Park, Maryland, January 16.

Walsh, S.J., C. Mena, and R. E. Bilsborrow, 2006. "Explorations with Cellular Automata and Agent-based Models in the Ecuadorian Amazon," LBA-ECO Tenth Science Meeting (NASA), Brasilia, Brazil, October 4-6.

Henry, Sabine, and Richard Bilsborrow, 2006. "How Migrants Choose Their Destination in Burkina Faso," presented at European Population Conference, Liverpool, UK, June 21-24.

Bilsborrow, Richard E., 2006. "Population, Development and the Environment: Explorations in the Ecuadorian Amazon", Presented at Peking University, Beijing, China, May 30.

Bilsborrow, Richard E., 2006. "Methodologies Pertinent to Estimating Populations at Risk and Their Needs," at National Research Council of the National Academy of Sciences, Committee on Population, Workshop on the Effective Use of Data, Methodologies and Technologies to Estimate Sub-National Populations at Risk, Washington, DC, April 20.

Erlie, Christine, S. Walsh, and R.E. Bilsborrow, 2006. "Historical Data Integration and Analysis: Toward a Multi-scale, Multi-temporal analysis of Population Growth and Land Cover Change in the Northern Ecuadorian Amazon," at Meeting of Association of American Geographers, Chicago, March.

Gray, Clark L., J. Bremner, R.E. Bilsborrow, and F. L. Holt, 2006. "Multilevel Determinants of Land Use in the Northern Ecuadorian Amazon: A Cross-cultural Study," at Meeting of Association of American Geographers, Chicago, March.

Bremner, Jason, Clark Gray, R. E. Bilsborrow, and F L. Holt, 2006. "Market Integration of Indigenous Peoples: Determinants of Off-farm Employment in the Ecuadorian Amazon," at Meeting of Association of American Geographers, Chicago, March.

- Mena, Carlos, Stephen Walsh, Christine Erlien, Brian Frizzelle, and Richard Bilborrow, 2006. "Modeling the Determinants of Land Use and Land Cover Change in Ecuador's Northern Amazon," at Meeting of Association of American Geographers, Chicago, March.
- Groenewold, George, Bart de Bruijn, and Richard Bilborrow, 2006. "Migration of the Health Belief Model (HBM): Effects of Psychosocial and Social Network Characteristics on Emigration Intentions in Five Countries of Africa and the Mediterranean Region," at Annual Meeting of Population Association of America, Los Angeles, Calif., March 29-April 2.
- Mena, Carlos, S. Walsh, and R. E. Bilborrow, 2006. "Demographic, Socio-economic and Biophysical Factors Affecting Land Use and Land Cover Change in the Northern Ecuadorian Amazon: Factors, Models and Spatial Explicit Simulations," at Annual Meeting of Population Association of America, Los Angeles, Calif., March 29-April 2.
- Bilborrow, Richard E., 2006. Organizer and Chair, Session on Population, Land and Water, Annual Meeting of Population Association of America, Los Angeles, Calif., March 29-April 2.
- Barbieri, Alisson, and Richard E. Bilborrow, 2005. "Migration and LCLU in the Ecuadorian Amazon", presented at NASA LBA-Eco Science Team Meeting, Sao Paolo, Brazil, November 10-12.
- Bilborrow, Richard, S. Walsh, C. Mena, C. Erlien, A. Barbieri, J. Messina, W. Pan, and G. Medina, 2005. "Modeling Deforestation and Agricultural Extensification in the Ecuadorian Amazon: Approaches for Integrating People, Place and Environment in the Study of LCLU Dynamics," at NASA LBA-ECO Science Team Meeting, Sao Paolo, Brazil, November 10-12.
- Bilborrow, Richard, 2005. "People, Development and Forests: Studies in the Ecuadorian Amazon," at CEDEPLAR, Universidade Federal do Minas Gerais, Belo Horizonte, Brazil, November 8.
- Barbieri, Alisson, Richard Bilborrow, and David Carr, 2005. "Out-migration of Second Generation Frontier Colonists and Population Redistribution in the Ecuadorian Amazon," presented at XXV International Population Conference of the International Union for the Scientific Study of Population, Tours, France, July 18-23.
- Henry, Sabine, and Richard Bilborrow, 2005. "How Environmental Migrants Choose Their Place of Destination in Burkina Faso," presented at XXV International Population Conference of the International Union for the Scientific Study of Population, Tours, France, July 18-23.
- Bilborrow, Richard E., Bolier Torres, and Alisson Barbieri, 2005. "Changes in Farm Income and Land Use Over Time in the Ecuadorian Amazon", presented at XXV International Population Conference of the International Union for the Scientific Study of Population, Tours, France, July 18-23.
- Organizer and Chair, 2005. Session on Population and Land Use in Developing Countries, XXV International Population Conference of the International Union for the Scientific Study of Population, Tours, France, July 18-23.
- Gray, Clark, Jason Bremner, Richard Bilborrow and Flora Lu Holt, 2005. "Multilevel Determinants of Land Use by Indigenous Populations in the Ecuadorian Amazon," presented at XXV International Population Conference of the International Union for the Scientific Study of Population, Tours, France, July 18-23.
- Bremner, Jason, Clark Gray, Richard Bilborrow, and Flora L. Holt, 2005. "Market Integration of Indigenous Peoples: Determinants of Off-farm Employment in the Ecuadorian Amazon," Poster at the XXV International Population Conference of the International Union for the Scientific Study of Population, Tours, France, July 18-23 (Poster).
- Mena, Carlos, Stephen Walsh, Christine Erlien, Brian Frizzelle, and Richard Bilborrow, 2005. "Modeling the Determinants of Land Use and Land Cover Change in Ecuador's Northern Amazon," presented at XXV International Population Conference of the International Union for the Scientific Study of Population, Tours, France, July 18-23.
- Bilborrow, Richard E., Discussant and Rapporteur, 2005. UN Expert Meeting on International Migration and Development, New York, July 6-8. UN Population Division. Posted at UN.org website.
- Gray, Clark L., J. Bremner, R.E. Bilborrow, and F. L. Holt, 2005. "Multilevel Determinants of Land Use in the Northern

Richard E. Bilborrow

Ecuadorian Amazon: A Cross-cultural Study,” at Annual Meeting of Population Association of America, Philadelphia, March 30-April 2.

Erlie, Christine, C.F. Mena, R.E. Bilborrow, and S. Walsh, 2005. “Demography, Socioeconomics, and Geography: Endeavoring to Explain Land Cover Change in and around the Cuyabeno Wildlife Reserve, Ecuador,” at Annual Meeting of Population Association of America, Philadelphia, March 30-April 2.

Bilborrow, Richard E., and Alisson Barbieri, 2005. “Migration, Urbanization and Deforestation in the Ecuadorian Amazon,” Annual Meeting of Population Association of America, Philadelphia, March 30-April 2.

Bremner, Jason, Clark Gray, Richard Bilborrow, and Flora L. Holt, 2005. “Market Integration of Indigenous Peoples: Determinants of Off-farm Employment in the Ecuadorian Amazon,” at Annual Meeting of Population Association of America, Philadelphia, March 30-April 2 (Poster).

Bilborrow, Richard E., 2005. “Development, the Environment, and Population: Research and Policy Issues from Latin America,” Department of City and Regional Planning, Policy Forum Annual Talk, UNC-CH, March 8.

Walsh, S.J. and R. E. Bilborrow, 2005. Modeling LULC in the Ecuadorian Amazon: CA and Agent-based Models, Meeting of National Aeronautics and Space Administration, College Park, Maryland, January 19.

Bilborrow, Richard E. 2004. Población, Uso de Tierra y Deforestación en la Amazonía Ecuatoriana: Implicaciones para el Parque Nacional Yasuní. Presented at Second Annual Congress on Research on Tropical Forests in Ecuador, Finding Species, Mindo, Ecuador. October 10-12.

Research Symposium in Quito, Ecuador; June 10, 2004, *Drivers of Land Use/Land Cover Dynamics in the Ecuadorian Amazon*. UNC-Chapel Hill Ecuador-NASA Project Team, led by Richard E. Bilborrow, Master of Ceremonies, presented research findings of the NASA and NIH Ecuador Amazon projects in Spanish in a half-day Symposium in the Hotel Quito to Ecuadorian government officials, non-government organizations, university faculty and students, consultant groups, and other interested parties (about 100 participants), using power-point graphics. We also provided to all participants a CD-ROM of selected project papers (abstracts translated into Spanish), data sets, maps, and contact information of project team members and the UNC Ecuador and NASA Project web sites.

Bilborrow, Richard E, and George Groenewold, 2004. “Design of samples for international migration surveys: Methodological considerations, practical constraints and lessons learned from a multi-country study in Africa and Europe.” Conference of European Association of Population Studies, Rome, November 25-26.

Walsh, Stephen and R. E. Bilborrow, 2004. “LULC in Thailand & Ecuador: Pattern-Process Relations and Some Research Challenges”. Keynote Research Results Presentation at the Land Cover/Land Use Change Science Meeting: Significant Results, National Aeronautics and Space Administration, College Park, Maryland.

Gray, Clark L., Jason Bremner, and Richard E. Bilborrow. 2004. “Land Use by Indigenous Populations in the Northern Ecuadorian Amazon”. Meeting of Association of American Geographers, Philadelphia, Pennsylvania.

Gray, Clark L., J. Bremner, R. Bilborrow, and F. Holt. 2004. “Indigenous Populations and Land Use in the Northern Ecuadorian Amazon”. Annual Meeting of Population Association of America, March 30-April 2, Boston, Massachusetts.

Groenewold, George, and R. Bilborrow, 2004. “Design of samples for international migration surveys: Methodological issues and lessons learned from a multi-country study”. Annual Meeting of Population Association of America, Boston.

Holt, Flora L. and R. E. Bilborrow. 2004. “Population Pressure and Market Integration among Ecuadorian Native Amazonians: Impacts on Land and Resource Use”. Ecological Society of America Annual Meeting, Portland, Oregon. August 4.

Bilborrow, R. E., 2004. Discussant, Session on Migration Methodology, Annual Meeting of Population Association of America, Boston, Mass., March 30-April 2.

- Torres, Bolier, R.E. Bilborrow, A.F. Barbieri. 2004. "Causes and Consequences of Low Farm Income and Land Use Change from 1990 to 1999: Agro-socio-economic Approaches in the Northern Ecuadorian Amazon. Rural Poverty Reduction through Research for Development and Transformation" (TROPENTAG) Meeting, Berlin, Germany, October 5-7. Poster.
- Bremner, Jason, and R. E. Bilborrow, 2004. "Indigenous populations and fertility in the Ecuadorian Amazon". Meeting of American Public Health Association, Washington, DC., November 6-10.
- Bilborrow, Richard, and Flora Lu Holt, 2003. "A Cross-cultural Study of Human Impacts on the Rain Forest Environment in Ecuador", Annual Meeting of Population Association of America, Minneapolis, May.
- Pan, William K-Y, and R. Bilborrow, 2003. "Multilevel Statistical Models to Assess Multi-scale Factors Influencing Land Use: A Case Study in the Ecuadorian Amazon", Annual Meeting of Population Association of America, Minneapolis, May.
- Barbieri, Alisson, R.E. Bilborrow, C.F. Mena, W. Pan, B. Torres. 2003. "Changes in Land Cover and Land Use Over Time in the Ecuadorian Amazon", Association of American Geographers Meeting, New Orleans, March.
- Mena, Carlos, C. Erlien, S. Walsh, R. Bilborrow, and F. Baquero, 2003. "Modeling the Scale-dependent Drivers of LCLU Dynamics in Northeastern Ecuador: Population, Biophysical and Geographical Factors. Poster presentation at Association of American Geographers Meeting, New Orleans, March.
- Barbieri, Alisson.F. and R.E. Bilborrow, June, 2003. "Population Distribution on the Frontier: Changing Migration Patterns and Urbanization in the Ecuadorian Amazon in the 1990's", International Conference on Social Sciences, Honolulu, Hawaii, June.
- Barbieri, Alisson, R.E. Bilborrow, and D.L. Carr. 2003. "Gender-Specific Out-Migration and Deforestation in the Ecuadorian Amazon", International Young Scientists' Global Change Conference, Trieste, Italy, November. Barbieri, Alisson, C.F. Mena, C.M. Erlien, R.E. Bilborrow, B. Torres. 2003. "Settler Welfare and Land Use in the Ecuadorian Amazon", Open Meeting of the Human Dimensions of Global Environmental Change Research Community, Montreal, Canada, October.
- Walsh, Stephen J., J. Messina, P. Page, C. Mena, B. Frizzelle and R.E. Bilborrow. 2003. "Simulating the Effects of Urbanization on Land Use in the Northern Ecuadorian Amazon", Open Meeting of the Human Dimensions of Global Environmental Change Research Community, Montreal, Canada, October. .
- Carr, David, A. F. Barbieri, and R.E. Bilborrow, 2003. "Population, Agricultural Land Use, and the Environment in Latin America at the Turn of the Millennium". Open Meeting of the Human Dimensions of Global Environmental Change Research Community, Montreal, Canada, October.
- Pan, William K-Y, A.F. Barbieri and R.E. Bilborrow. 2003. "Agricultural Change in the Ecuadorian Amazon: Land use Transitions from 1990 to 1999", International Workshop on Transition in Agriculture and Future Land Use Patterns, Wageningen, The Netherlands, December 4.
- Bilborrow, Richard, J. Bremner, and Flora Lu Holt, 2003. "El Comportamiento Reproductivo de Poblaciones Indigenas: Un Estudio Preliminar de Cinco Poblaciones de la Amazonia Ecuatoriana", Presented at XVI International Congress on Traditional and Alternative Health, Quito, Ecuador, October 23. Presented by Ana Ona.
- Bilborrow, Richard E., and David Carr, 2003. "Proximate and Ultimate Drivers of Deforestation in the Northern Ecuadorian Amazon: Policy Issues", Workshop on Land Cover Dynamics in the Amazon, II LBA Scientific Conference, Manaus, Brazil, July 7-12, 2002.
- Bilborrow, Richard E., 2002. "Población, Uso de Tierra, y Deforestación en la Amazonia Ecuatoriana", Instituto Peruano de Administración de Empresas", Iquitos, Peru, July 24.
- Bilborrow, Richard E., William Pan and Laura Murphy, 2002. "Modeling Land Use Decisions in the Northern Ecuadorian Amazon: Population, Environment and Institutional Factors", Annual Meeting of Population Association of America, Atlanta, Ga., May 8-11.

Richard E. Bilborrow

- Bilborrow, R., 2002. "Urbanization, Infrastructure Change and Development in the Ecuadorian Amazon", Annual Meeting of Population Association of America, Atlanta, Georgia, May 8-11.
- Bilborrow, R., 2002. "Migration and Land Use in Ecuador", Meeting of Global Science Panel, International Institute for Applied Systems Analysis, Laxenberg, Austria, March.
- Bilborrow, R., 2002. "Trends in World Urbanization and Methodological Problems in Measurement of Urbanization", Seminar of International Union for Scientific Study of Population on Issues in Conceptualizing and Measuring Urbanization, Bellagio, Italy, March (with United Nations Population Division).
- Bilborrow, R., S. Walsh, S. McGregor, B. Frizzelle, W. Pan, J. Messina, K. Crews-Meyer, and G. Taff, 2002. "Integrating of Longitudinal Surveys, Remote Sensing Time-series, and Spatial Analyses: Approaches for Linking People and Place", at Workshop on Linking Household and Remote Sensed Data: Methodology and Practical Problems, East-West Center, Honolulu, Hawaii, January 4-8.
- Walsh, Stephen, R. Bilborrow, William Pan, and Kelley Crews-Meyer, 2001. "Change Patterns of Population and Land Use in Ecuador's Northern Amazon", at Open Meeting of Human Dimensions of Global Environmental Change Research Community, Rio de Janeiro, Brazil, October 6-8.
- Bilborrow, R., 2001. "Population and Deforestation in the Ecuadorian Amazon: Preliminary Models", at Workshop of National Institute of Child Health and Human Development, Rockville, MD., Sept 7-8.
- Bilborrow, R., and William Pan, 2001. "Population Growth, Fragmentation of Plots and Changes in Land Use and Deforestation in the Ecuadorian Amazon", at International Population Conference of International Union for the Scientific Study of Population, Salvador, Bahia, Brazil, August 18-27.
- Pan, William, R. Bilborrow, Laura Murphy and Brandie Sullivan-Farris, 2001. "Modeling Land Use Decisions in the Northern Ecuadorian Amazon: Population, Environment and Institutional Factors", at Annual Meeting of Population Association of America, Washington, DC, April.
- Bilborrow, R., and Stephen Walsh, 2001. "Early Results from Analysis of Demographic, Biophysical, and Socioeconomic Factors Affecting Land Use Change in the Ecuadorian Amazon", at NASA Conference, Atlanta, Ga., February, 2001.
- Bilborrow, R., 2000. Presented background paper and led discussion at Breakout Session on "Needs for Research on Population and the Environment", National Council for Science and Technology, National Academy of Sciences, Washington, DC, December 7-8.
- Bilborrow, R., 2000. "Migration and the Environment in Developing Countries", at The Woodrow Wilson Center, Washington, DC, November 30 (co-sponsored by the University of Michigan Population Fellows Program and the WWC Environmental Change and Security Project).
- Bilborrow, R. and Gregory Taff, 2000. "Population Pressure, Land Subdivision and Land Clearing in the Ecuadorian Amazon", at Meeting of Latin American Studies Association, Miami, March 16-18.
- Bilborrow, R. and Laura Murphy, 2000. "Population and Land Use Changes in the Northern Amazon of Ecuador: A Comparison of 1990 and 1999 Survey Results", at *ibid*.
- Bilborrow, R. and William Pan, 2000. "Demographic, Biophysical, and Socioeconomic Factors Affecting Land Use Change in the Ecuadorian Amazon", NASA Conference, Fairfield, Va., March 20-22.
- Laurian, Lucie, and R. Bilborrow, 2000. "The Determinants of Migration Decisions in the Ecuadorian Sierra: A Contextual Model", at Annual Meeting of Population Association of America, New York, NY, March 25-27.
- Pan, William, and R. Bilborrow, 2000. "Land Use in the Ecuadorian Amazon in 1999: Intensification and Growth on the Frontier", at *ibid*.

Richard E. Bilborrow

- Laurian, Lucie, R. Bilborrow, and Andrew Morrison, 1999. "Migrants' Entry into the Urban Labor Market in Quito, Ecuador: Determinants of Entry and Subsequent Labor Mobility", at Annual Meeting of Population Association of America, New York, NY, March 25-27.
- Bilborrow, R., Deborah DeGraff, and Alejandro Herrin, 1999. "Children's Work and Schooling in the Philippines: Activity Patterns of Siblings", at *ibid*.
- Bilborrow, R., and Stephen McGregor, 1999. "Integrating Geographic Information Science Techniques in the Data Collection Phase of Population-Environment Research", at *ibid*.
- Bilborrow, R., Francisco Pichon, Catherine Marquette, and Laura Murphy, 1999. "Land Use Strategies and Policy Issues in the Ecuadorian Amazon", CIFOR Conference on Policy Issues Regarding Agricultural Intensification, Costa Rica, March.
- Laura Murphy, Francisco Pichon, Catherine Marquette, and R. Bilborrow, 1999. "Small-Farmer Settler Behavior in the Amazon: Insights from Ecuador", at Conference on Patterns and Processes of Land Use and Forest Change in the Amazon, Gainesville, Fla., March 23-26.
- Bilborrow, R., 1998. "Migration and Urbanization in Developing Countries", at Committee on Population, U.S. National Academy of Sciences, Washington DC, December 4.
- Bilborrow, R., 1998. Invited Keynote Address on "ADemographic Factors, Agricultural Intensification and the Environment in Developing Countries", at Annual Conference of American Agricultural Economics Association, Salt Lake City, Utah, July 31-August 2.
- Bilborrow, R., 1998. Discussant, Session on "The Analysis of Factors Generating International Migration", June 30, at United Nations-International Organization for Migration Technical Symposium on International Migration and Development, The Hague, Netherlands, June 29-July 3.
- Bilborrow, R., Elizabeth Katz, and Andrew R. Morrison 1998. "Gendered Aspects of Migration Decision-Making in Ecuador", at Population Association of America, Chicago, Illinois, April 2-4.
- Bilborrow, R., 1998. "Biophysical and Socio-Demographic Aspects of Land Use and Land Use Change in the Ecuadorian Amazon", at NASA Workshop on Land Use and Land Use Change, Airlie House, Warrenton, Virginia, March 29-30.
- Bilborrow, R., 1997. "Population and the Environment: An Appraisal of the Micro-Level Evidence", International Union for the Scientific Study of Population, *International Population Conference, Beijing, China*, October 10-20.
- Bilborrow, R., 1997. "Research Issues on Population and the Environment in the Ecuadorian Amazon", at Population, Consumption, and Environment Initiative Meeting of the MacArthur Foundation and American Association for the Advancement of Science, Washington, D.C., March 5-7.
- Bilborrow, R., 1997. Discussant, Meeting on Poverty and the Environment, UN Development Program, United Nations, New York, March 19.
- Bilborrow, R., and Betty Faust, 1997. "Maya Culture, Population and the Environment in the Yucatan Peninsula", at AAAS/IIASA Latin American Regional Meeting on Population and the Environment, Merida, Mexico, April 23-25, 1997.
- Bilborrow, R., and David Carr, 1997. "Land, Population and Agricultural Technology in Latin America: Trends Over Time", at AAAS/IIASA Latin American Regional Meeting on Population and the Environment, Merida, Mexico, April 23-25.
- Bilborrow, R., 1996. "Migration and Urbanization in Developing Countries: The State of the Field", at UN Expert Meeting on Internal Migration and Urbanization in Developing Countries: Implications for HABITAT II, New York, January 25-27.
- McIntyre, Kate, and Bilborrow, R., 1996. "The Use of Rapid Assessment Methods for Measuring Fertility and Family Planning Use: A Case Study in Ecuador", at U.S. Agency for International Development, Rosslyn, VA, February, 2.

Richard E. Bilborrow

- Bilborrow, R., and Kate McIntyre, 1995. "The Methodology of Rapid Assessment Survey Methods: An Application to the Measurement of Fertility in Ecuador", at Expert Meeting on Rapid Assessment Procedures for Population Policy, United Nations Fund for Population Activities, New York, December 6-8.
- Murphy, Laura, R. Bilborrow, and Francisco Pichón, 1995. "Deforestation and the Welfare of Migrant Settlers in the Ecuadorian Amazon," at Meeting of Latin American Studies Association, Washington, D.C., September 27-29.
- Bilborrow, R., 1995. Organizer of session on Population and Environment, Seminario Internacional Sobre la Población del Istmo Centroamericano, San Jose, Costa Rica, October 18-20.
- Bilborrow, R., 1995. "Demographic Processes, Land and the Environment in Guatemala", at Seminario Internacional sobre la Población del Istmo Centroamericano (International Seminar on Population in the Central American Isthmus), San Jose, Costa Rica, October 18-20.
- Bilborrow, R., 1995. Discussant at American Association for the Advancement of Science International Experts Meeting on "Human Population, Biodiversity and Protected Areas: Science and Policy Issues," April 20-21, Washington, D.C.
- Bilborrow, R., Keshari Kansakar Thapa, and Laura Murphy, 1995. "Women's Economic Activities & Deforestation in the Ecuadorian Amazon," at Annual Meeting of Population Association of America, San Francisco, CA, April 6-8.
- Bilborrow, R., and Hania Zlotnik, 1994. "The Systems Approach and the Measurement of the Determinants of International Migration," at Workshop of Netherlands Demographic Institute - Eurostat, Luxembourg, December 14-16.
- Bilborrow, R., 1994. "Procesos Demograficos y la Deforestación en Guatemala" at Fundación Francisco Tamayo's National Conservation Festival, Valencia, Venezuela, December 12.
- Bilborrow, R., 1994. "Population, Deforestation and Land Degradation in Developing Countries," at Workshop of Resources for the Future and World Bank on "Population and the Environment: An Exploration of the Interrelationships," November 16, Washington, D.C.
- Bilborrow, R., Keshari Kansakar Thapa, and Laura Murphy, 1994. "Women and the Environment: Conceptual Issues and Evidence from the Ecuadorian Amazon," at Seminar of International Union for the Scientific Study of Population on Women, Poverty and Demographic Change, Oaxaca, Mexico, October 25-28.
- Bilborrow, R., and Xiushi Yang, 1994. "Survey Locales and Biases in Data Collection," Annual Meeting of the Population Association of America, Miami, Florida, May 5-7.
- Bilborrow, R., 1994. Organizer and Chairperson, Session on Population and Environment Linkages in Low-income Countries, Annual Meeting of the Population Association of America, Miami, Florida, May 5-7.
- Bilborrow, R., 1994. Co-organizer, Chairperson and Discussant, Sessions on "Population and Environment Attitudes" and "Environment and Development Linkages in Latin America," Conference of Latin American Studies Association, Atlanta, Georgia, March 11-13.
- Bilborrow, R., and Martha Geores, 1993. "Possible and Impossible Conclusions about Population and Land Use Changes," Session on The Challenges of Research on Population and the Environment, Annual Meeting of the Population Association of America, Cincinnati, Ohio, April 1-3.
- Bilborrow, R., and Xiushi Yang, 1993. "Determinants of Migration and Migration Intentions in the Ecuadorian Sierra: Results from a Multi-Level Model," Session on Migration and Economic Development, Annual Meeting of the Population Association of America, Cincinnati, Ohio, April 1-3.
- Bilborrow, R., 1993. "Population, Development and Environment: Research Issues," at IUSSP International Population Conference, Special Session on IUSSP Contributions to 1994 World Population Conference, Montreal, Canada, August 30-September 4.

Richard E. Bilborrow

- Bilborrow, R., Richard Sloan, and Francisco Pichón, 1993. "Predicting Deforestation by Migrant Settlers: A Micro-demographic Analysis of the Ecuadorian Amazon," at General Population Conference of International Union for the Scientific Study of Population Montreal, Canada, Aug. 24-Sept. 1.
- Bilborrow, R., Milton Kotelchuck, and George Gamble, 1993. "Methodological Issues in Sampling Public Prenatal Care Clinics in the United States," at Annual Meeting of American Public Health Association, San Francisco, California, October 24-28.
- Bilborrow, R., 1993. "Population Dynamics and Deforestation," at Roundtable on "Population, Environment and Sustainable Development," International Academy of the Environment, sponsored by UN Population Fund and Government of Switzerland, Geneva, Switzerland, November 21-23.
- Bilborrow, R., Keshari Kansakar Thapa, and Laura Murphy, 1993. "Population-Environment Research at the Carolina Population Center," at meeting of CICRED-IIASA, Austria, November 22-24.
- Bilborrow, R., 1992. "Population Change and Agricultural Intensification in Developing Countries," at Seminar on Population and the Environment, sponsored by the Social Science Research Council, International Social Science Council, and Development Alternatives with Women in a New Era, Cocoyoc, Mexico, January 28-February 1.
- Bilborrow, R., and Deborah DeGraff, 1992. "Female-Headed Households and Family Welfare in Rural Ecuador," at Annual Meeting of the Population Association of America, April 30-May 2, Denver, Colorado.
- DeGraff, Deborah, and R. Bilborrow, 1992. "The Implications of High Fertility for Children's Time Use in the Philippines," at Annual Meeting of the Population Association of America, April 30-May 2, Denver, Colorado.
- Bilborrow, R., 1992. Chairperson and Discussant, Session on "Population Movement and Land Use Change: Shifting Environmental Burdens," Annual Conference of British Society for Population Studies, co-sponsored by IUSSP, Oxford, England, September 9-11.
- Bilborrow, R., 1992. "Research Issues on Population and the Environment," at Federal Inter-agency Committee on Population Research, Bethesda, Maryland, Oct. 21.
- Bilborrow, R., 1992. Keynote Address on "Population Migration Trends in Latin America," at Mini-Conference on "Population Migration, Health and the Environment in Latin America, Organized and Sponsored by the Student International Discussion Group, Latin American Studies Graduate Student Colloquium, and the Duke-UNC Joint Working Group in Health and the Environment," Institute for Public Policy Studies, Duke University, November 14.
- Bilborrow, R., 1992. Chairperson and Discussant, Session on "Ecosystems, Socioeconomic Systems and Population Dynamics," Seminar on Population and Deforestation in the Humid Tropics, sponsored by International Union for the Scientific Study of Population, Universidade do Campinas (Institute of Philosophy and Human Sciences, and Brazilian Association for Population Studies (ABEP), Campinas, Brazil, Nov. 30-Dec. 3.
- Bilborrow, R., 1991. "Interrelationships Between the Physical Environment and Migration," at meeting on Population and the Environment, sponsored by the British Society of Population Studies and the International Union for the Scientific Study of Population, London, England, January 10.
- Bilborrow, R., and Martha Geores, 1991. "Population and the Environment: A Cross-Country Exploration of Deforestation in Low-Income Countries," Annual Meeting of the Population Association of America, Washington, DC, March 20-23.
- Bilborrow, R., 1991. "Population Change, Land Use and the Environment: What Can We Learn from Cross-National Comparisons?" National Academy of Science Workshop on Population Change and Land Use in Developing Countries, Washington, DC, December 5-6.
- Bilborrow, R., 1990. Organizer, Chairperson, and Discussant at session on "Frontier Migration in Developing Countries," Annual Meeting of the Population Association of America, Toronto, Canada, May 2-5.
- DeGraff, Deborah, and R. Bilborrow, 1990. "Community-Level Determinants of Fertility in the Philippines: A Structural Analysis," annual meeting of the Population Association of America, Toronto, Canada, May 2-5.

- Bilsborrow, R., and Pamela DeLargy, 1989. "Effects of Population Growth and Migration on Agricultural Development and the Environment in Developing Countries," conference on "Human Demography and Natural Resources," Hoover Institution and Morrison Institute for Population and Resource Studies, Stanford University, February 1-3.
- Bilsborrow, R., and Paul Stupp, 1989. "The Effects of Population Growth on Agriculture in Guatemala," annual meeting of the Population Association of America, Baltimore, Maryland, March 29-April 1.
- Bilsborrow, R., and David Hubacher, 1989. "Estimating the Demographic Effects of Rural Development Projects: A Comparative Assessment of Two Distinct Data Collection Methodologies," annual meeting of the Population Association of America, Baltimore, Maryland, March 29-April 1.
- Bilsborrow, R., and Lucia Ruiz, 1989. "Efectos Demográficos de Proyectos de Desarrollo Rural en el Ecuador," United Nations CELADE/CEDEM conference on "Demographic Effects of Development Projects," Havana, Cuba, July 4-7.
- Bilsborrow, R., Peter Hess, and Amy Tsui, 1989. "Linkages between the Demand for Children, Contraceptive Use and Fertility: Preliminary Evidence from Mexico and Unresolved Issues," the Conference of International Union for the Scientific Study of Population, New Delhi, India, September 20-27.
- Bilsborrow, R., and Paul Stupp, 1989. "Effects of Population Growth on Rural Development and the Environment in Guatemala," Annual Meeting of Southern Regional Demographic Group, Durham, North Carolina, October 18-20.
- Bilsborrow, R., and Brendan Mullan, 1988. "The Creation of a Population Policy for Ecuador, 1972-1988" (with Cecilia Moreno) and "Occupational Change among Migrant Women in Rural Ecuador", at Annual Meeting of the Population Association of America, New Orleans, Louisiana, April 20-23.
- Bilsborrow, R., 1988. Discussant at International Workshop on Population Growth and Agricultural Change in Sub-Saharan Africa, Center for African Studies, University of Florida, Gainesville, April 20-May 2.
- Bilsborrow, R., 1987. "Las Funciones Demográficas en los Modelos Macroeconómicos-demográficos," CELADE Technical Seminar on Methods for Incorporating Demographic Impacts in Planning Via Microcomputers, Santiago, Chile, March 2-5.
- Bilsborrow, R., and Paul Stupp, 1987. "The Effects of Population on Agricultural Development in Sub-Saharan Africa," at annual meeting of the Population Association of America, Chicago, Illinois, April 30-May 2.
- Bilsborrow, R., John Cook, and John Cromartie, 1987. "The Migration Response to Spatial Variation in Economic Development in Ecuador," at annual meeting of the Population Association of America, Chicago, Illinois, April 30-May 2.
- DeLargy, Pamela, and R. Bilsborrow, and 1987. "Population Effects on the Environment in the Sudan: An Assessment," at annual meeting of the Population Association of America, Chicago, Illinois, April 30-May 2.
- Bilsborrow, R., 1987. Discussant at session on "Community and Diffusion in the Study of Demographic Processes," at annual meeting of the Population Association of America, Chicago, Illinois, April 30-May 2.
- Bilsborrow, R., 1987. Discussant at FAO Expert Consultation on "Population and Agricultural and Rural Development: Institutions and Policy," Rome, June 29-July 1.
- Bilsborrow, R., 1986. "Demographic Effects of Rural Development Projects: Lessons from the International Consortium and a New Project in Ecuador," at Seminar of United Nations Population Division on the Demographic Effects of Rural Development Projects, New York, December 1-4.
- Bilsborrow, R., 1985. Chaired session on "Community-level and Family-Structural Influences on Fertility" at Annual Meeting of the Population Association of America, Boston, Massachusetts, March 28-30.
- Bilsborrow, R., Thomas McDevitt, Richard Fuller, and Sherri Kossoudji, 1985. "A Multi-level Model of Rural Out-Migration in the Ecuadorean Sierra," at Annual Meeting of the Population Association of America, Boston, Massachusetts, March 28-30.

Richard E. Bilborrow

- Bilborrow, R., 1985. Discussant at Conference on Internal Migration, organized by Committee on Internal Migration and Regional Development, International Union for the Scientific Study of Population, Montreal, Canada, April 1-3.
- Bilborrow, R., 1985. "The Integration of Population in Development Planning: Some Methodological Issues and Suggestions," at IUSSP XXth General Conference, Florence, Italy, June 5-12, Session F.15, Utilization of Demographic Knowledge in Policy Formulation and Planning.
- Bilborrow, R., 1984. Discussant at session on "Migration, Circulation and Commuting in Developing Countries and Their Labor Force Implications," at annual meeting of the Population Association of America, Minneapolis, Minnesota, May 1-3.
- Bilborrow, R., 1984. Background paper on "Methodological Issues in the Integration of Population Factors in Development Planning" for Interagency Expert Group Meeting on Methodologies for Integrated Population and Development Planning, Geneva, May 21-24.
- Bilborrow, R., 1984. Discussant at Seminar on Rural Electrification and Fertility Decline, sponsored by the National Rural Electrical Cooperative Association, Washington, DC, November 14.
- Bilborrow, R., 1983. Chaired session on "Macroeconomic-demographic Interrelations" at annual meeting of the Population Association of America, Pittsburgh, Pennsylvania, April.
- Bilborrow, R., and Pamela DeLargy, 1983. "A Comparative Assessment of the Fertility Impact of Rural Development Projects," at annual meeting of the Population Association of America, Pittsburgh, Pennsylvania, April.
- Bilborrow, R., 1983. Background paper on "Collecting Community Data for Fertility Analysis," at Seminar of International Statistical Institute/World Fertility Survey on the Collection and Analysis of Data on Community and Institutional Factors, London, June 20-23.
- Bilborrow, R., 1982. "Population Changes and Rural Development: A Cross-country Econometric Exploration," at annual meeting of the Population Association of America, San Diego, California, April 29-May 1.
- Bilborrow, R., 1982. "Internal Migration Data Collection in the U.S.: Current Status and Suggested Directions," Conference of the American Statistical Association and the US Bureau of Census, Airlie House, Virginia, May 26-28.
- Bilborrow, R., 1981. Discussant for Session "New Directions in Demographic-Economic Models," at annual meeting of the Population Association of America, Washington, DC, March 26-28.
- Bilborrow, R., Jeremiah M. Sullivan, Arjun L. Adlakha, and Anne R. Cross, 1980. "Collection of Birth and Death Data: POPLAB Approaches," at the annual meeting of the Population Association of America, Denver, Colorado, April 10-12.
- Bilborrow, R., 1979. "Population Pressures and Agricultural Development in Developing Countries: A Conceptual Framework and Recent Evidence," at annual meeting of the Population Association of America, Philadelphia, Pennsylvania, April 26-28.
- Bilborrow, R., 1979. "Priority Areas for Future Research on Economic-Demographic Interrelationships," at Expert Meeting of Joint UN/UNFPA Consultative Group on Population-Development Modelling, Geneva, Switzerland, September 24-28.
- Bilborrow, R., 1978. Chaired Luncheon Roundtable Session on "Economic-Demographic Simulation Models: Where Do We Go from Here?" at the annual meeting of the Population Association of America, Atlanta, Georgia, April 13-15.
- Bilborrow, R., 1978. Discussant for Sessions "Rural Labor Force and Employment," and "Consumption, Savings and Investment," IUSSP Specialized Conference on "Economic and Demographic Change: Issues for the 1980s," Helsinki, Finland, August 28-September 1.
- Bilborrow, R., 1977. "Methodological Aspects of Collecting and Analyzing Migration Data from Household Surveys in Developing Countries," General Conference of the International Union for the Scientific Study of Population, Mexico City, August 8-13.

Richard E. Bilborrow

Bilborrow, R., Helen P. Koo, and C. Suchindran 1977. "The Long-Range Demographic and Socioeconomic Consequences of Early Childbearing on Mothers in the United States," at the annual meeting of the American Public Health Association, Washington, DC, October 30-November 2.

Bilborrow, R., 1976. "Long-Range Social and Economic Effects of Adolescent Pregnancy in the United States: Methodology," NICHD Contractors' Conference, Bethesda, Maryland, November 30-December 1.

Bilborrow, R., 1975. Discussant on the economic-demographic models of Colombia, Peru and Venezuela, at seminar on "The Role of Economic-Demographic Models in Development Planning," sponsored by South-East Asia Development Advisory Group (SEADAG), New York, March 19-21.

Bilborrow, R., 1975. "The Effects of Demographic Pressures on the Quantity and Quality of Education in Developing Countries," at annual meeting of the Population Association of America, Seattle, Washington, April 19.

Bilborrow, R., 1975. "A Critical Review of the Concept and Measurement of Economic Dependency," at the annual meeting of the Southern Regional Demographic Group, Atlanta, Georgia, October 15-17.

Bilborrow, R., 1974. "The Effects of Age Distribution on Labor Force Participation Rates in Developing Countries," annual meeting of the Eastern Economics Association, Albany, New York, October 25.

Bilborrow, R., 1973. "Fertility, Savings Rates, and Economic Development in Less Developed Countries," at World Population Conference of the International Union for the Scientific Study of Population, Liege, Belgium, August 30.

Bilborrow, R., 1970. Chaired session at annual meeting of the American Statistical Association (Social Statistics II), Detroit, Michigan, December 29.

Bilborrow, R., 1966. Discussant on "Using Two-Gap Models to Estimate Future Foreign Resource Requirements for Colombia," Cornell Conference on Latin America, Ithaca, New York, April.

Bilborrow, R., [See also papers presented in London (1/91); Antigua, Guatemala (4/91); Stockholm (10/91); Aguascalientes, Mexico (10/91); Washington, DC (12/91); New York (1/92); Tepoztlan, Mexico (4/92); Veracruz, Mexico (5/92); Campinas, Brazil (12/92; 4/2012), Bielefeld, Germany (7/94), under Publications above.]

Grants and Contracts

Major funding sources since 1995: Principal Investigator on Grants and Contracts from the World Bank, UN Population Division, United Nations Development Programme, UN Division for Sustainable Development, International Labour Office, National Science Foundation, National Institute of Child Health and Human Development, Compton Foundation, Summit Foundation, UN Food and Agricultural Organization, United Nations Population Fund, National Aeronautics and Space Administration, Mellon Foundation, University of Michigan Population-Environment Program, World Wildlife Fund, The Nature Conservancy, Fundación Natura (Quito, Ecuador), UN High Commissioner for Refugees, UN Statistical Office; USAID Higher Education for Development Program, part of International Consortium on Sustainable Development in the Andean Amazon.

Since 2013, co-PI on projects funded by the US National Science Foundation on the effects of payments for ecosystem services (to reduce deforestation and encourage reforestation) in three provinces of China, on projects of UNC-CH (with Conghe Song) and San Diego State University (with Li An); new NSF project funded by NSF (2021-2024) to Conghe Song (PI), at UNC, Influence of Community Forestry on the Dynamics of Integrated Socio-Environmental Systems.

Recent Consultancies

International Technical Consultant, Survey on Livelihoods of Indigenous Population of Ecuadorian Amazon, 2020--. Provided advice on sampling and questionnaire design, content and format of preliminary brochures/publications on the populations and living conditions of all 21 indigenous organizations in the Amazon, containing over 1200 communities and over 40,000 households, funded by SETEA (Secretaria Tecnica de la Amazonia), in process.

Chief Technical Consultant, MEDHIMS, 2012--. Mediterranean Household International Migration Survey (MEDHIMS) project of European Commission/European Union-Eurostat, World Bank, UNHCR/UN Population Fund, ILO, OIM, etc.,

Richard E. Bilborrow

involves eight Arab countries of Mediterranean Region. In 2012-13 I developed the project sampling approach to design samples for “rare” international migrants, and also the six household and individual questionnaires constituting Manual 1 (with Chief Project Officer, Samir Farid, and representatives from the National Statistics Offices of the countries in the region and stakeholders), developed community questionnaire, applied sampling methodology in first two surveys in Egypt in 2014 with the Central Agency for Population Mobilization and Statistics, and in 2015 in Jordan with the national Department Statistique. Also consulted with Tunisia in 2015 and with Morocco, 2016-17, on their plans for a national survey on international migration and sample design. Developed weights from complex sample designs for Egypt and Jordan, and successfully applied and used in analyses and tabulations in final country reports. Made multiple presentations at regional workshops for census technicians from National Statistical Offices of countries in the region from 2013 to 2017, in Brussels, Cairo, Amman, Rabat, Tunis, Paris and Athens; and at International Conferences in Brussels, Paris, Athens, and Geneva, Switz. Collaborated on tabulation and analysis plan development, and revisions of questionnaires up to 2019..Currently engaged in in-depth multivariate analysis of data on international migration from Egypt.

Member of Steering Committee, PERN (Population-Environment Research Network), March 2014-2018.

Bilborrow, Richard, 2016-18. One of two international members of Scientific Committee of Jacques Veron et al, INED, Paris, Planned and organized International Conference of Institut National d’Etudes Demographiques, “Migracion, Environnement et Climat: Quelles Inegalites Face aux Risques?” Paris, Jardin des Plantes, October 22-23, 2018. Discussant at closing session.

Consultation with World Bank (Helidah Ogude) and South Africa Statistics (Diego Iturralde and Princelle Dasappa) on developing household survey on international migration in South Africa, 2017--

Consultant to UN Population Division (New York), 2015, on assessing migration data needed or useful for evaluating progress of countries in achieving the new Sustainable Development Goals (SDGs), presenting paper and website material on migration.

Consultant on World Bank (Moscow office) project on the design and implementation of household surveys on international migration for the Confederation of Independent States (CIS, ex-Soviet Union), applied to the design of the sample and questionnaire for Tajikistan and a linked one for urban Russia, both implemented in 2015; analysis of data (with J. Davis and I. Denisova, reports provided to World Bank in Moscow and Washington DC, 2016).

In 2012-2015, designed and managed project to enhance education about the Amazon at the university level in Ecuador, UNC-CH, with a subcontract to the Universidad San Francisco de Quito (led by Prof. Carlos Mena, Faculty of Ecology), funded by USAID project in four Andean Amazon countries, Higher Education for Development. Developed and taught two new courses, entitled “Amazonian Populations, Lifestyles, and Sustainable Development”, and “Seminar on Sustainable Development,” at USFQ. Supervised MS theses of USFQ masters students, School of Ecology.

Consultant 2012-2014, Regional Institute for Population Studies (RIPS), University of Ghana, Legon. Graded Masters and PhD qualifying exams, commented on MA and MPhil. Thesis presentations, made recommendation on development of PhD program in demography, and continue to evaluate/grade theses sent to me as an international external examiner.

Program Committee, on Population, Development and Environment, for Population Association of America Annual Conference in Chicago, 2017.

Principal Earlier Country-level Consulting and Advisory Activities

Ecuador

Earlier. Advisor to the Centro de Analisis Demográfico (CAD), Junta Nacional de Planificación and Instituto Nacional de Estadística y Censos (Center for Demographic Analysis, National Planning Agency, and National Institute of Statistics and Censuses), Government of Ecuador, October 1972-80, through International Program of Laboratories for Population Statistics (POPLAB), University of North Carolina at Chapel Hill. Helped design and participated in the following research on Ecuador: Measurement of underemployment from 1968 and 1975 urban labor force surveys; estimation of fertility from vital registration and household survey data; estimation of intercensal (1950-74) mortality and fertility in Ecuador using quasi-stable population analysis; estimation of fertility in Quito and Guayaquil from 1965 household survey data by Brass and Bogue procedures; development of economic-demographic model for Ecuador; estimation of effects of future alternative fertility scenarios on government education and health expenditures; development of questionnaires for household labor force and fertility/mortality surveys in Ecuador; preparation of proposal for CAD to the United Nations Fund for Population Activities, to continue demographic and demographic-economic research, subsequently funded; design of demographic component in 1979 urban

Richard E. Bilsborrow

labor force survey; project monitor and collaborator in the design, field implementation and analysis of national fertility-mortality-family planning prevalence survey carried out in 1982 (ESMIVD), with Instituto Nacional de Investigaciones Nutricionales y Médico-Sociales, Ministry of Public Health, 1980-84; advisor on economic-demographic modeling, interrelationships between women's economic activity and fertility, and determinants of family-size desires, contraceptive use and fertility, Centro de Estudios sobre Poblacion y Paternidad Responsable (CEPAR), 1984 to 1988. Project monitor and research collaborator, Consejo Nacional de Desarrollo (CONADE, National Planning Organization), Government of Ecuador, on the population impact of integrated rural development projects, development of family planning service statistics data bank, and planning and execution of (April 1988) National Conference on the Population Policy of Ecuador, 1986-88; helped develop Ecuador's first population policy, published by CONADE in January 1988; designed household survey on "Migration, Land Use and Deforestation in the Ecuadorian Amazon," carried out in June-September 1990; in July 1993 gave talks in Quito at the Ministerio de Energía y Minas and Fundacion IDEA to scholars and officials from many public and private-sector institutions, focusing on results and policy implications; with funding from NASA supplemented by Mellon, Summit and Compton Foundations, developed, implemented and analyzed household survey and community survey in Ecuadorian Amazon to follow up 1990 survey, including assisting Ministerio de Medio Ambiente on monitoring deforestation and illegal expansion by African palm plantations in the Amazon, 1998-present, including presentations of results to migrant colonists and local policy makers in Lago Agrio and Francisco de Orellana, July, 2003; designed and implemented ethnographic study (with Flora Lu) on five indigenous populations in the Amazon, and designed and implemented household and community surveys in 450 households and 28 indigenous communities, 2001, with research centers, Ecociencia and CEPAR (Quito); presented results to 5 indigenous federations and 8 indigenous communities, August, 2003, and June, 2004. Consultant to UNHCR, ACNUR, and Netherlands Interdisciplinary Demographic Institute on designing and analyzing survey of Colombian immigrants in 5 northern provinces of Ecuador, 2005-6, with CEPAR.

Honduras

Consultant to UN Food and Agricultural Organization (Rome) and United Nations Fund for Population Activities on development of course program, syllabus, and textbook (in Spanish) for Master's Degree course on "Population and Environment," Universidad Nacional Autonomo de Honduras, Tegucigalpa; and on developing policy and research recommendations on population, environment and health, San Pedro Sula, Honduras, September-October, 1993. In December, 2002, taught 2-week module on Demography to MA Students in Social Development at Universidad Nacional Autónoma de Honduras (funded by United Nations Fund for Population Activities), Tegucigalpa, Honduras.

Guatemala

Project monitor, RAPID II Project, on effects of population growth on deforestation and rural development, and creation of economic-demographic microcomputer presentation models, 1986-88; consultant to UNFPA to help government of Guatemala (through SEGEPLAN) draft national population policy, July-October 1989. Consultant to Macro-International and Conservation International on design of modules on migration and the environment to incorporate in the Petén portion of the Guatemala Demographic and Health Survey (DHS), 1999.

Mexico

Project monitor, "Demographic and Family Planning Prevalence Survey," Coordinación del Programa Nacional de Planificación Familiar, Government of Mexico, 1979-81; oversaw field work and participated in analysis. UNFPA Evaluation Mission Assessment, May 1989: Reviewed ongoing activities, research projects, and development plans of Mexican government agencies/ministries on linkages among population and national and regional planning, rural development, and the environment (CONAPO, Ministries of Agriculture and Agrarian Reform, Secretariat of Budget, Secretariat of Environment and Urban Development). Consultant, Consejo Nacional de Poblacion (CONAPO), Government of Mexico, on design and analysis of surveys of internal migration in Mexico, 1989, 1992, 1998. Consultant, Pronatura (Merida) and World Wildlife Fund (Mexico City) on development of population monitoring system based on household and community surveys, for Calakmul Biosphere Reserve, Campeche, Mexico, 1999.

Consultant, University of Pachuca, Pachuca, Mexico, "National Survey on Indigenous Populations and Poverty", funded by Ministry of Economic Planning, German Vasquez, PI. Provided extensive advice on sample and questionnaire design, via email and in person, January-February, 2011.

Indonesia

Richard E. Bilborrow

Advisor, 1977-81, Biro Pusat Statistik (Central Bureau of Statistics), Government of Indonesia. Evaluation, analysis, and preparation of reports on the results of the three-year Sample Vital Registration Project, a dual-record system covering 250,000 people in 10 survey areas; Brass and Chandrasekar-Deming estimates of fertility and mortality were prepared. Design of questionnaire and analysis plan for 1980-82 multi-round household survey on fertility and mortality in East Java, the results of which were subsequently published in Indonesia and in POPLAB reports on the EJMPs.

Peru

In 2011, with seed money from UNC-CH and Johns Hopkins University (with William K.Y. Pan), organized project in Puerto Maldonado, Madre de Dios Department, Peru: trained 14 fieldworkers (interviewers and supervisors) to conduct household survey, “Encuesta sobre Población, Salud y Medio Ambiente a lo Largo de la Carretera Interoceánica” (Survey on Population, Health and Environment along the Interoceanic Highway); development of household and community questionnaires, sample of 38 rural and 11 urban communities, listing sheets for households, etc. This led to multiple theses at Duke University and UNC-CH as well as follow-up household surveys in the same region focusing on impacts of gold mining in the region on health and publications (led by Pan, Duke University).

Other Earlier Consulting Activities

Consultant, World Bank, exploratory project on international migration Eastern Europe and CIS States, Feb 2010-2016. Wrote report on status of data on international migration in existing household surveys in 26 countries of region, presented results in Moscow, including recommendations for sample design.

Consultant, World Bank, Magreb Countries (Morocco, Algeria, Tunisia, Egypt), evaluating existing sources of data (from recent household surveys and population censuses) on international migration statistics and making recommendations for improvements (sampling and questionnaire design, etc.), 2008-9.

Consultant, United Nations Children’s Fund (UNICEF), Innocenti Research Center (Florence, Italy), developing design for a multi-country project on independent adolescent international migration between developing countries, 2008.

Consultant, World Bank, Africa Migration Project, on sampling and questionnaire design for surveys to collect data on internal and international migration in Sub-Saharan African countries, 2008-2010. Also assisted on drafting terms of reference for bidders in six participating countries. Assisted in writing up reports on sampling design, and Nigeria report in general.

Suitland Group on International Migration, January 2008-2011.

Commissioner, International Commission on Development Impacts of International Migration, Center for Global Development, Washington, DC, 2008-2009.

Consultant to International Union for the Scientific Study of Population (IUSSP), organizing session on migration and development for 2009 International Population Conference in Marrakech, Morocco, 2007-2009.

IFS Advisor, International Foundation for Science (Stockholm), on evaluation of proposals from scholars in developing countries to conduct scientific research on topics of development and environment, 2006-present.

Consultant on International Migration, Remittances, and Gender, International Organization for Migration, Guatemala City, October, 2007.

Consultant on Questionnaire Design, Survey on Agriculture and Environment, National Park of Gran Sumaco, Napo Province, Amazonian Region of Ecuador, October, 2007.

Consultant, United Nations Statistics Division, Use of Household Surveys to Measure International Migration, in forthcoming *Technical Report on the Use of Censuses and Surveys to Measure International Migration*, May-November, 2007. The *Technical Report* is distributed to all 228 countries and territories in the world to use as a guide for planning and undertaking population censuses, for 2010 round of censuses.

Consultant, International Labour Office, Appraisal of ILO Statistical Activities, Geneva, Switz., and Bangkok, Thailand, May-October, 2007; 72 pp. Evaluation Report (with Martha Mallard-Meyer of Brazil).

Richard E. Bilborrow

Consultant on Population and Development, United Nations Population Division: Preparation of Wall Chart on Population, Environment and Development; Assessment of impact of international migration in World Bank-International Monetary Fund Poverty Reduction Strategy Papers for 8 developing countries; organization of expert group meeting on urbanization and development, February-April, 2007.

Consultant, World Wildlife Fund, Washington, DC, completion of Monograph on Migration Impacts on Protected Areas and Biodiversity in Developing Countries, Sept.-November, 2006.

Training Workshop: "Where is the field of migration going? Methodological problems, solutions and future directions." Population Research Center, Peking University, Beijing, China, June 2, 2006.

United Nations High Commissioner for Refugees, "Design, Implementation and Analysis of Survey on Refugees, Asylum-seekers and Other Migrants from Colombia," large household survey project carried out in northern Ecuador, for the Netherlands Interdisciplinary Demographic Institute (The Hague) and UNHCR (Geneva, Switz.), January-September, 2006.

Consultant, United Nations Population Division, Preparation of Report on Gender and International Migration, February-March, 2006.

Consultant, World Bank, Preparation of Paper on "The Design of Samples for Surveys on International Migration in Receiving Countries," March-May, 2006.

Consultant, United Nations Population Division: Participating in, chairing session, and preparing portions of final summary report, *International Symposium on International Migration and Development*, Turin, Italy, June 28-30, and New York; June-July, 2006.

Co-signer and co-author of Letter sent by Scientists Concerned for Yasuni National Park to the President of Ecuador, Alfredo Palacios, and the Minister of Environment, Ana Alban Mora, September 29, regarding the decision of the Ecuadorian Government to disavow its plan to approve a request of Petrobras Oil Corporation to build a new road into the Park to extract oil, asking for further modifications to further reduce the environmental impacts (based on documentation in a series of papers provided by Bilborrow and 20 other scientists in 2004), see also www.findingspecies.org.

Consultant to UNHCR, ACNUR, and Netherlands Interdisciplinary Demographic Institute on designing and analyzing survey of Colombian immigrants in 5 Northern provinces of Ecuador, 2005-6, with CEPAR.

Consultant, United Nations Population Division on International Migration and Development, New York, July, 2005.

Consultant to United Nations Population Division on the preparation of *World Urbanization Prospects, December, 2003*, February-March, 2004.

Consultant to United Nations Population Division, "Relevance of International Conference on Population and Development Goals to Millennium Development Goals," November-December, 2004.

Consultant to World Wildlife Fund, Migration and Environment Linkages in Protected Areas, 2004-2005.

Consultant to Finding Species, Washington, DC, on Indigenous Peoples and Threats to Biodiversity in the Yasuni National Park, Ecuador, October-November, 2004.

Consultant to Ministry of Environment and ECORAE (Institute for the Eco-development of the Ecuadorian Amazon Region), on Amazonian Development, Quito, Ecuador, 2004.

Consultant to International Union for the Scientific Study of Population (IUSSP), on organizing session on population and environment for International Population Conference in Tours, France, August, 2005.

Presentation of results of NASA studies on welfare of migrant settlers' families in the Ecuadorian Amazon, 2003: "A La Vida y los Ingresos de los Colonos de la Amazonia Ecuatoriana: Resultados de la Encuesta de Colonos Migrantes de 1999 (Life and Incomes of Colonists of the Ecuadorian Amazon: Results of the Survey of Migrant Colonists, 1999)", Workshop training presentations on July 21-22, 2003, Lago Agrio, Sucumbios, Ecuador; and July 24-25, 2003, Francisco de Orellana (Coca),

Richard E. Bilborrow

Orellana, Ecuador, to colonists and policy-makers; and on July 30, 2003, to Deputy Minister of the Environment and Deputy Chief of ECORAE, and their staffs, Quito, Ecuador.

Presentation on “Population and Environment in the Amazon of Ecuador”, to Sierra Club, Quito, Ecuador, August, 16, 2003.

Invited as one of 8 leading scholars and policy analysts to make a presentation on, “Important New Directions for Population Research and Policy”, Elephant Walk Restaurant, Boston, MA., March 31, 2004, sponsored by Population Reference Bureau (Washington, DC).

Invited presentation on human impacts on Yasuni National Park, Ecuador (see E.1 above), subsequent signer of letter, and co-author of *Technical Advisory Report* (D.4 above), to attempt to halt a new oil road into the largest national park in Ecuador, in the Amazon. Letter sent in Spanish, English and Portuguese to President Gutierrez of Ecuador, Ministers of Environment and Energy/Mines, Constitutional Tribunal and other courts of Ecuador, President Lula of Brazil, President de Barros of Petrobras Oil Company, Managing Director of International Monetary Fund, President of CONAIE (national indigenous organization), etc., resulting in press coverage in Ecuador, Brazil, NY Times.

Consultant to United Nations Development Program (New York) on Design of Rapid Survey of Poverty, Yerevan, Armenia, October, 2002.

Consultant, UN Population Division, 2002, Preparation of *World Urbanization Prospects, 2001*

Consultant, UN Population Division, 2000-2001, Preparation of *Population, Development and the Environment: World Monitoring Report, 1991*.

Consultant to the World Wildlife Fund (assistance in preparing monograph on “Migration and the Environment”, Washington, DC, 2001.

Invited to assist the National Council on Science and the Environment, National Academy of Sciences, Washington, DC, in assessing the “Needs for Population-Environment Research”, incorporated in recommendations on “Priorities for Scientific Research on the Environment”, October-December, presented to the new President by NAS.

Consultant to Fundación Natura and The Nature Conservancy (Quito, Ecuador) on monitoring the impact of migration on the Galapagos National Park and Machalilla National Park, Ecuador (development of data collection methodology=>sample and questionnaire design, plan for analysis of data, and interpretation of results).

Advisory Panel on Population and the Environment, Committee for the National Institutes of the Environment, then its successor, National Council on Science and the Environment, 1997-present.

Consultant to National Academy of Sciences on Urbanization and Migration in Developing Countries, December, 1998.

Consultant to UN Division of Sustainable Development on Population and Deforestation in Developing Countries, 1997-present.

Consultant to American Association for the Advancement of Science on Population and the Environment, 1995-1996.

Consultant to UN Development Programme on the Development of Rapid Poverty Questionnaire, February, 1997-present.

Consultant to International Institute for Applied Systems Analysis, Laxenburg, Austria, on Population and Sustainable Development in the Yucatan Peninsula, Mexico, 1996-1997.

Consultant to Netherlands Demographic Institute on Sample and Questionnaire Design for Multi-country Survey on International Migration, The Hague, January, 1996-present.

Consultant to UN Fund for Population Activities on the Use of Rapid Assessment Methods for Population Policy, November, 1995-February, 1996.

Advisory Board, Population and Environment Fellows Program, University of Michigan, 1993-1997, 1999-present.

Richard E. Bilborrow

Consultant to UN Population Fund, lecture on "Población y Medio Ambiente en Centroamérica," to Central American Commission on Environment and Development, San Jose, Costa Rica, October 14-15, 1993.

Consultant, Educational Foundation of America, 1993, evaluating proposal on Population and Environment.

1993-94 Program Organizing Committee, Population Association of America, Annual Meeting for 1994, Miami, FL, May 5-7.

1992-93 Program Organizing Committee, Population Association of America, Annual Meeting for 1993, Cincinnati, OH, April 1-3.

1991-92 Program Organizing Committee, Population Association of America, Annual Meeting for 1992, Denver, CO, April 30-May 2.

Consultant to Committee on Population, (US) National Academy of Sciences, on Population Change and Land Use, 1991.

Consultant on Internal Migration of Women in Developing Countries, Population Division, United Nations, 1990-94.

Consultant, Cornell University, Center for International Food and Agricultural Development, 1990-91.

Consultant to UN Food and Agricultural Organization (Rome) on Population, Environment and Sustainable Agricultural Development, 1990-91.

Consultant to International Labour Office on Rapid Assessment Surveys of Poverty, 1989-98.

Consultant, University of Indiana, Center for Population Research, 1989.

Consultant, United Nations Demographic Center for Latin America (CELADE), Santiago, Chile, on Demographic Aspects of Economic-Demographic Planning Models, March 1987.

Consultant, International Labour Office, Geneva, Switzerland, on design of community-level survey for analysis of the determinants of fertility in three major states of India, July 1987.

Consultant, UN Food and Agricultural Organization (Rome), on Population Effects on Rural Development in Sub-Saharan Africa (1986-87), Latin America (1989-90), and Asia (1991); on Migration and the Rural Environment, 2001-2002.

Consultant, United Nations Population Division on "Integrating Population Variables in Development Planning," and "Evaluating the Population Impact of Development Projects," 1985-89.

Member, Advisory Panel on the Effects of Rural Electrification on Fertility in Developing Countries, National Rural Electric Cooperatives Association, Washington, DC, 1985-88.

Consultant, Research Triangle Institute, Research Triangle Park, NC, on "Integrated Population and Development Planning (INPLAN)," USAID-funded project to assist developing countries to include population in government development planning, 1980-84; lectures to 40 government planners and scholars on "Determinants and Consequences of Internal Migration," April and October, 1985; lecture and discussion (in Spanish) on "Introduction to Policy and Planning Models," May 1986.

Member, NICHD Special Review Committee to evaluate Population Research Center Renewal Proposal of The Rand Corporation, December 11-14, 1984, Santa Monica, CA.

Consultant, World Bank, Washington, DC, on the Living Standards Measurement Survey Project, on the development of detailed household and community questionnaires to measure levels of living in developing countries, August-September 1982.

Consultant, Joint UN/UNFPA Consultative Group on Population-Development Modeling, Geneva, Switzerland, September 24-28, 1979.

Consultant, Battelle Memorial Institute Population and Development Policy Program, Washington, DC, February-March 1978; to plan research and national seminar on relationships between population and development in Ecuador.

Consultant, Department of Health Administration, University of North Carolina at Chapel Hill, to assist on training World Bank

Richard E. Bilborrow

staff on population and development linkages, Airlie House, VA, June 14-16, 1977.

Consultant, World Population and Employment Programme, International Labour Office, Geneva, Switzerland, on sample and questionnaire design, survey implementation, and subsequent analysis of two large-scale rural-urban migration surveys in Ecuador, February 1976 to April 1977.

Consultant, GE-TEMPO General Electric Center for Advanced Studies, Washington, DC, on demographic statistics for Peru, Lima, Peru, August 8-12, 1976.

Consultant, Research Triangle Institute, Research Triangle Park, NC, on project of International Bank for Reconstruction and Development and Central Bureau of Statistics, Government of Kenya, to develop and implement methodology for evaluating socioeconomic impact of feeder roads in rural Kenya (designing survey questionnaires and developing analytical methodology in areas of fertility, mortality, migration, health status and labor force activity), December 1975 to February 1976.

Miscellaneous Professional Activities

Telephone interview, Al Jazeera English radio and website, Doha, Qatar, on environmental implications of the world reaching 7 billion persons and projected to reach 9.3 b in 2050, September 28, 2011, posted on AJ website in October.

Radio interview, WCHL (Chapel Hill, NC), February 23, 2006, on implications of the world reaching a population estimated by the U.S. Census Bureau at 6.5 billion on February 25.

Bilborrow, Richard E., Workshop on Conducting Survey, “Como Hacer una Encuesta sobre Población, Economía y Vulnerabilidad,” Instituto de Investigaciones de la Amazonía Peruana, Iquitos, Peru, June 10-14, 2005.

“Biologists Oppose Road Planned by Oil Company in Ecuador Park,” *New York Times*, Feb. 17, 2005, by Andrew Revkin, based on paper by Scientists Concerned for Yasuni National Park (in the Amazon region of Ecuador), Bilborrow and 20 other scientists as authors, see also www.findingspecies.org; follow-up letter October 29, 2011, thanking Rafael Correa, President of Ecuador, for so far resisting oil company plans to drill for oil in Yasuni NP.

Telephone interview with Bill McNulty, NY Times, on deforestation in Ecuadorian Amazon, 2004.

Taught 2-week module on Demography to MA Students in Social Development at Universidad Nacional Autónoma de Honduras (funded by United Nations Fund for Population Activities), Tegucigalpa, Honduras, December, 2002.

Member of Global Science Panel, International Union for the Scientific Study of Population, prepared recommendations on Population, Environment and Development for Earth Summit 2002: World Summit of Sustainable Development (Johannesburg, South Africa, September 2-11, 2002).

Gave 2-day training seminar for staff of United Nations Population Division on “Population and the Environment in Developing Countries: Theory and Empirical Evidence to Date”, New York, New York, October 6-7, 1997.

Member, Steering Committee for organization of international conference and workshop on “Women, Community, and Sustainable Development Forum”, sponsored by the UNC School of Social Work, University Center for International Studies, and Department of City and Regional Planning, May 16-18, 1996.

Radio interview with Christian Science Monitor radio on population growth and deforestation, June 23, 1994.

Member (one of eight), Vice Chancellor's Strategic Planning Committee on Ecology and Environment, University of North Carolina at Chapel Hill, January 1991 to January 1992; produced four volumes, entitled *Environmental Programs at UNC: The Next Century*; *Environmental Research Directory*; *Environmental Instruction Directory*; and Faculty Survey of Environmental Expertise.

Reviewer of manuscripts for *Demography*, *Annals of the Association of American Geographers*, *Population and Development Review*, *Economic Development and Cultural Change*, *International Migration Review*, *World Development*, *Southern Economic Journal*, *Journal of Developing Areas*, *International Regional Science Review*, *Studies in Family Planning*, *Population Research and Policy Review*, *Geographical Analysis*, *International Economic Review*, *Journal of Development*

Richard E. Bilsborrow

Studies.

Lecturer (in Spanish) at the Departamento Nacional de Planeación y Servicios Técnicos (Department of Planning, Government of Colombia) on "The Two-Gap Model and Projections of Imports, Exports, Savings, and Investment for Colombia," February 1966; educational television interview, in Spanish, Newark, NJ, 1969 and in Veracruz, Mexico, May 1992.

Editorial consultant to Holt, Rinehart and Winston, Duke University Press.

Reviewer of proposals for the National Science Foundation, the Population Council, the Rockefeller Foundation, Wellcome Trust (London), National Heritage Society.

External examiner, Institute for Population Studies, University of Nairobi, Nairobi, Kenya, 1983-84; Banaras Hindu University, Varanasi, India, 1991; the Flinders University of South Australia, 1992; University of Adelaide, 1999; University of Florida, 2004; University of Ghana, 2011, 2012.

Lecturer on "New Techniques of Demographic Data Collection and Analysis," in Xiamen University (Xiamen, China), Fudan University (Shanghai, China) and State Statistical Bureau, Government of the People's Republic of China, Beijing (Peking), May-June, 1980.

Numerous other lectures (apart from conferences) at US Universities, including Brown University, University of Indiana, Duke University, North Carolina State University, University of Texas (Austin), Johns Hopkins University, Princeton University, etc. World Bank, Population Council, United Nations offices in New York, Mexico City, Quito, Ecuador, etc.; US Agency for International Development offices in Washington, DC, Quito, Ecuador, Guatemala City, Guatemala, etc.; and Colombia, Indonesia, Netherlands, and Sweden.