

Laura L. Murphy, Ph.D.

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Areas of Interest

- Technology and society interactions in developing areas
- Social impacts of AIDS, especially food and livelihood security
- Capabilities Approach, Sustainable Human Development, development theory
- Population dynamics, environmental change and human well-being

Education

Ph.D., University of North Carolina (UNC) at Chapel Hill, 1998, Department of City and Regional Planning (DCRP). Dissertation title: *Making a Living in the Rainforest: Factors Affecting Economic Status of Settlers in the Ecuadorian Amazon*. (Advisor: Richard E. Bilborrow).

Certificate in Latin American Studies, University of North Carolina, Chapel Hill, Institute for Latin American Studies (ILAS), 1998.

B.S., Stanford University, California, 1983. Mechanical Engineering. Honors in "Values, Technology and Society," Stanford semester-abroad, Vienna (1981).

Academic Research and Positions

Clinical Assistant Professor, **Tulane University**, New Orleans (95% FTE from Sept 06, 75% FTE from Dec 04, 50% FTE from July 01), with joint appointments in the Department of International Health (School of Public Health and Tropical Medicine) and the Stone Center for Latin American Studies. Teach graduate courses on development theory, population-environment-health, field courses; advise masters and doctoral students in LAS and SPHTM; develop interdisciplinary educational and research programs with LAS and SPHTM; sit on university-wide committees; conduct original field and scholarly research. PI on two research projects funded by nationally competitive awards (MacArthur: "Crops, Cellphones and T-Cells", and NSF: "Hybrid Technologies")

Adjunct Faculty, Department of International Health and Development, Tulane University (1998-2001). Designed and taught high-level interdisciplinary graduate courses for public health students on Development Theory (INHL 720), Survey Data Analysis, Population-Environment Relationships, including intensive field courses (INHL 685, INHL 696).

Co-investigator, Project on "Agricultural Colonization in the Ecuadorian Amazon: Population, Biophysical and Geographical Factors Affecting Land Use/Land Cover Change and Landscape Structure," based at the Carolina Population Center, University of North Carolina, Chapel Hill (1998-2001). Helped with survey and spatial data analysis for modeling land-use, demographic changes and survival strategies among peasant households; field work and questionnaire design, testing for 1999 field survey of households. (Funding from NASA and the Mellon Foundation funding. PI's: R. Bilborrow and S. Walsh, UNC-Chapel Hill)

Dissertation Fieldwork, Ecuadorian Amazon (July-August 1994; July-August, 1995). Designed and conducted pilot household time allocation study, in-depth interviews with farm households, and community-level questionnaire. Pre-dissertation research funded by the Tinker Foundation.

Research Assistant, Carolina Population Center, University of North Carolina at Chapel Hill. (1992-1998). Survey

data analysis, proposals, articles and presentations for Agricultural Colonization and Deforestation in the Ecuadorian Amazon

Professional Experience

Consultant, **Overseas Development Institute (ODI)**, Humanitarian Policy Group, London (part-time over 2003-4)
Assisted with a study of the implications of HIV/AIDS for humanitarian action in Sub-Saharan Africa with interviews in the US and Kenya, literature review, data analysis and writing.

Coordinator, **Population-Environment Research Network** (May 2000- July 2002, 50% FTE). Helped establish, manage and plan an innovative internet-based network for international research and scholarship on population-environment dynamics. Responsible for academic content and activities: building a research article database, planning and hosting electronic cyber-seminars, coordinating international membership, managing steering committee relations. Sponsored by the International Union for the Scientific Study of Populations (IUSSP), the International Human Dimensions of Global Change Programme (IHDP), and CIESIN; funded by the John D. and Catherine T. MacArthur Foundation. Website:
<http://www.populationenvironmentresearch.org/>

Consultant, **Department of International Health and Development**, School of Public Health and Tropical Medicine, Tulane University (March 2000-2001). Developed and taught two innovative courses on Population-Environment topics: case study development, syllabi development, selection of Guatemalan field sites, and in-country logistics. (INHL 685 and INHL 696).

Consultant, **Stone Center for Latin American Studies, Tulane** (2000). Research for expanding and strengthening Tulane's Neotropical Ecology Institute for Latin American conservation and development research, education and policy.

Consultant, **United Nations Development Program** (Jan-Feb, 1998), "Population-Environment Case Study of Ecuador's Amazon" (with PI: Richard Bilsborrow). Organized field work, including semi-structured interviews with Ecuadorian Amazon farmers, merchants, policy-makers and environmentalists; analysis and writing.

Consultant, **International Labor Organization (ILO)**, Geneva, Development Policies Department (POLDEV) (Nov-Dec, 1997). Developed an original quantitative survey method for the *Rapid Assessment of Poverty Impacts (RAPI)* of labor-intensive projects. Conceptualized non-income poverty measures, refined questionnaires, and elaborated issues relating to assessing the poverty reduction impacts of employment-intensive projects in developing countries.

Consultant, **The Institute for Southern Studies**, Durham, North Carolina (Sept-Dec 1991). Research, analysis and reporting on wide-ranging community-based economic development efforts in the southern US.

Program Officer, **Canadian High Commission, Nairobi**, Kenya (1988-91, full-time). Administered US\$800,000/year to Kenyan community development organizations, including through the CIDA Women in Development project fund for Kenya. Project proposal review, site visits throughout Kenya, reporting, and liaison with other donors.

Consultant, **US Agency for International Development (USAID), Jakarta**, Indonesia (June-Aug, 1987). Researched and wrote chapter of the Country Development Strategy Statement (CDSS) on Indonesian non-governmental organizations (NGOs); assessed the national Famine Early Warning System.

Consultant, **World Wildlife Fund (WWF)** and USAID-Jakarta (Nov-Dec, 1987). Researched and developed grant proposal with Indonesian NGOs for the conservation of biological diversity in Indonesia.

Program Officer, **Indonesian Environmental Forum (WALHI), Jakarta** (1983-6). Designed and managed projects for tropical forest and biodiversity conservation, rural development, and environmental education with network of Indonesian organizations. Originally posted through Volunteers in Asia (VIA, based at

Peer-Reviewed Publications

- Murphy, Laura, Paul Harvey and Eva Silvestre. 2005. "How do we know what we know about AIDS impacts in rural Africa: evidence from field studies" *Human Organization*. Vol 64, No 3 2005 pp 265-275.
- Francisco Pichón, Catherine Marquette, Laura Murphy and Richard Bilsborrow. 2002. "Choice and Constraint in the Making of the Amazon Frontier: Settler Land Use Decisions and Environmental Change in Ecuador." In Wood (et al eds.) *Land Use and Deforestation in the Amazon*. Gainesville: University of Florida.
- Murphy, Laura "Colonist Farm Income, Cattle, Off-farm Work and Differentiation in the Northern Ecuadorian Amazon," *Human Organization*, Spring 2001.
- Laurian, Lucie, Richard Bilsborrow and Laura Murphy. "Migration Decisions Among Settler Families in the Ecuadorian Amazon: the Second Generation," in *Research in Rural Sociology and Development: Focus on Migration*. Vol. 7 (Summer, 1998): 169-196.
- Murphy, Laura, Richard Bilsborrow and Francisco Pichón. "Poverty and Prosperity among Migrant Settlers in the Amazon Rainforest Frontier of Ecuador," *Journal of Development Studies*. Vol. 34 (December, 1997), No. 2, pp. 35-65.
- Thapa, Keshari, Richard Bilsborrow and Laura Murphy. "Deforestation, Land Use and Women's Agricultural Activities in the Ecuadorian Amazon." *World Development*. Vol. 24 (1996), No. 8, pp. 1317-1332.

Other Publications and Reports

- Murphy, Laura, 2006. "Population and Environment in the Vulnerable Crescent City". Contribution to the Center for Environment and Population (CEP) **Report on Population and the Environment in the US**.
- Murphy, Laura. 2004. "Study on HIV/AIDS and Humanitarian Action: Insights from US and Nairobi-based interviews." Report for the Humanitarian Policy Group, Overseas Development Institute project on the implications of HIV/AIDS for humanitarian action.
- Murphy, Laura 1999. Survey Methodology for Rapid Appraisal of Poverty Impacts of Labor-based Projects. For the International Labour Organization (ILO), Geneva.
- Murphy, L and R. Bilsborrow. 1998. Population and Environment Interactions in the Ecuadorian Amazon. Study for UNDP.
- Murphy, Laura 1991. Report on Community-Based Economic Development Efforts in the South Institute for Southern Studies, Durham, NC.

Manuscripts submitted for publication

- Laura L Murphy, Aleya Kassam, Dickson Kesekwa, "HIV/AIDS and Home Gardens: Technology Change for Food Security in Western Kenya." Under review, *Agriculture and Human Values*
- Laura L. Murphy, "Promoting Human Development in the Age of AIDS" to *Development in Practice*.
- Laura L. Murphy, "Social Shaping of Technology: Insights from AIDS-affected Rural Africa" in preparation for *Science, Technology and Human Values*.
- "No Plough, No Bull, No Donkey: AIDS, Poverty, and Technology Change in Rural Western Kenya" with Jacob Otieno On'gow, Henry Ouma Ojow, Jactone Omondi, Fred Gori. To the *Journal of Development Studies*.

Manuscripts in Progress

- *Appropriate Technology for Rural Africa in the Age of HIV and AIDS* book describing desk-research, interviews and field study resulting from MacArthur funded project *Crops, Cellphones and T-Cells: Community-Based Technology Change in Rural Africa in the Age of HIV and AIDS*.
- "Experiences with community-based nutritional supplements for HIV care and AIDS mitigation in rural

Malawi” with Paul Harvey and Eric Umar.

- “Capabilities and health: an examination of the diffusion of the concept of capabilities within development and public health agencies and practice.” (sole author)

Other Writings

Short pieces for *The Times* of London; the *Jakarta Times*

Presentations and Conference Papers

- Invited speaker, PERN Cyberseminar, Micro-demographics of HIV/AIDS and environment in Sub-Saharan Africa. April 2006. Access at www.populationenvironmentresearch.org
- “Home Gardens to Combat HIV and AIDS in Western Kenya” Presentation to the District Development Office, Bungoma, Kenya, October 2, 2006.
- “What policies can promote appropriate technology change in rural communities affected by HIV and AIDS?” Duke Public Policy Faculty Seminar, November 21, 2005
- “Crops, Cellphones and T-Cells: Technology Change for Livelihood Security in Sub Saharan Africa” UNC Global Health Seminar. University of North Carolina, Chapel Hill, November 17, 2005.
- “Population-Environment Dynamics in Urban Settings” Chair and organizer of session at the Population Association of America Meeting, Atlanta, May 8-11, 2002.
- “Population and Land Use Dynamics in Rural Settings” Chair and organizer of session at the Population Association of America Meeting, Atlanta, May 8-11, 2002.
- “Roundtable on Community-Based Conservation in Latin America.” Latin American Studies Association, XXIV Conference, Washington DC, USA. September 2001.
- “Population Environment Research Network.” Presentation at the conference of the International Union for the Scientific Study of Populations (IUSSP), August 2001, Salvador, Bahia, Brazil.
- “Intensification and Growth in the Frontier (Changes in the Ecuadorian Amazon, 1990-1999).” Presentation at the Population Association of America Annual Meeting, Washington DC, March 2001. (with Bill Pan, Brandy Sullivan and Richard Bilsborrow)
- “Permanence and Turnover in the Ecuadorian Amazon,” American Association of Geographers, April, 2000 (with Brian Frizelle)
- “Preliminary Findings on Farm & Household-Level Changes from 1990-1999.” Latin American Studies Association, Miami, March 16-18, 2000.
- “Land Use, Household Composition, and Economic Status of Settlers in Ecuador’s Amazon: A Review and Synthesis of Research Findings” (by Murphy, L., C. Marquette, F. Pichón and R. Bilsborrow.) The University of Florida, Center for Latin American Studies, 48th Annual Conference: “Patterns and Processes of Land Use and Forest Change in the Amazon,” Gainesville, FL., March 23-26, 1999.
- “Links between Agricultural Technology, Productivity and Deforestation in the Amazon: Evidence from Ecuador” (by F. Pichón, C. Marquette, L. Murphy and R. Bilsborrow). Center for International Forestry Research (CIFOR) “Workshop on Technological Change in Agriculture and Deforestation.” CATIE, Costa Rica, 11-13 March, 1999.
- “Household Income, Labor and Land Use in Ecuador’s Amazon.” Friday Seminar, Carolina Population Center, University of North Carolina, Chapel Hill (Sept 4, 1998).
- “Balancing Settler Well-being and Conservation: A Planning Dilemma for Ecuador’s Amazon.” The Association of Collegiate Schools of Planning (ACSP) Meeting, Ft. Lauderdale, FL, Nov 6-9, 1997.
- “Settler Strategies, Stages, Income Composition and Land Use in the Ecuadorian Amazon” The XXth Congress of the Latin American Studies Association, Guadalajara, Mexico, April 17-19, 1997.
- “Economic Well-being of Settlers in the Ecuadorian Amazon” (with F. Pichón and R. Bilsborrow). The XIXth Congress of the Latin American Studies Association, Washington DC, September 28-30, 1995
- “Women and the Environment: Conceptual Issues and Evidence from the Ecuadorian Amazon” (with R. Bilsborrow and K.Thapa). International Union for the Scientific Study of Population (IUSSP) Seminar on Women, Poverty and Demographic Change, Oaxaca, Mexico, 25-28 October, 1994.

Courses & Teaching

- Special one-day workshop for graduate students on “Research Methods for the Social Sciences” organized for Latin American Studies, held November 4, 2006
- Supervised independent studies on “Development Theory” for IHD doctoral students,
- Guest Lecture, “Technology as behavior change for health in rural Africa,” for INHL 653, *Health Behavior*, Spring 2006
- Guest Lecture, “AIDS and Technology”, *Global Health*, Duke University. Fall 2005.
- Guest Lecture, “The Machakos Miracle” for *Population-Environment-Development*, Geog 303, University of North Carolina Chapel Hill. Fall 2005
- *The Social Impacts of HIV/AIDS* (INHL 607). Developed a full 3 credit course, co-teaching from 2005 with Lisanne Brown for SPHTM.
- *Health and Development in Kenya in the age of HIV and AIDS*. (INHL 653) three credit intensive field course taking place in Kenya for graduate public health students since July 2004.
- *Development Theory: Issues and Measurement*, (INHL 720), Department of International Health and Development, doctoral level course, taught since 2000.
- *Population-Environment Relationships: Theory and Evidence*, (INHL 685), 3 credit on-campus course designed for SPHTM and taught since 2001
- *Guatemala Population-Environment Practicum* (INHL 696), an innovative two-week field course designed and run (since 2001) for SPHTM and LAS students
- *Latin American Studies Graduate Core Seminar, ‘Population, Environment and Health Module’*, (LAST 700) for the Stone Center for Latin American Studies, Tulane University
- *Survey Data Analysis*, intensive, computer-based course focusing on analysis of DHS survey data, developed and taught for the Department of International Health and Development
- *Brazil Field Studies Course: Urban Livability*. (LAST 695-51) field course for graduates and undergraduates on urban development and change, taught in Brazil.
- *Technology and Society Issues in Latin America*, (LAST 695-06) graduate seminar at the Stone Center for Latin American Studies, Tulane University (open to SPHTM students)
- *Urbanization in Latin America*, (LAST 695-04), Graduate seminar developed and taught for the Stone Center for Latin American Studies, Tulane University (open to SPHTM students)
- *Ethical Bases of Public-Policy Decision-Making*, for the undergraduate Curriculum in Public Policy Analysis at University of North Carolina, Chapel Hill.

Academic Service

- Member, departmental committee on the new Practicum & Culminating Experience, IHD (2006)
- Chair, “Katrina Fund Review Team,” (Special funds for small research projects oriented to examining post-Katrina New Orleans) Stone Center for Latin American Studies, 2006
- Member, “Executive Committee,” Stone Center for Latin American Studies, Tulane, 2001- current
- Inter-departmental liaison, International Health and Development and Stone Center for Latin American Studies, Tulane University. 2001-Current
- Faculty Sponsor, LAGO Student Working Group for the Health Disparities Workshop, January 2005, New Orleans
- Member, Curriculum Review Committee, Stone Center for Latin American Studies, 2004-5
- Computer and information technology committee, Department of International Health and Development, Tulane University (website development and updates) Current
- Organizer and chair, Population-Environment Panels, Population Association of America Annual Meeting, Atlanta, May 2002
- Chair, Latino-America Medio Ambiente (LAMA: Environment and Ecology) Section of the Latin American Studies Association (LASA), 2000/1
- Co-Director, Neotropical Ecology Institute (2001/2), Stone Center for Latin American Studies, Tulane.
- Environment Track Chair for the XXII Congress of Latin American Studies Association (LASA), Miami, 2000.
- Organizer, Panels on “Prospects for Human Settlements,” XXI Congress of LASA, Chicago, 1998)
- Co-organizer, “Poverty, Disasters and the Environment in Latin America: Focus on Central America.” Workshop of the Neotropical Ecology Institute, Tulane University (April 10, 1999)

- Co-organizer, UNC-Duke University Mini-Conference: Population Migration, Health and the Environment in Latin America, (November 14, 1992).

Reviewer

World Development, National Science Foundation (CAREER awards)

Grants and Contracts

- Principal Investigator, “Hybrid Technologies in the Era of HIV and AIDS: Hand-hoes and Mobile Phones in Rural Africa”, funded by the National Science Foundation (NSF) Science and Society Program. Awarded up to \$105,000 for 21 month research project.
- Principal Investigator, “Crops, Cellphones and T-Cells: Technology Change for Livelihood Security in Sub-Saharan Africa”. \$100,000 from the John D. and Catherine T. MacArthur Foundation. Co-investigator, Paul Harvey, ODI, London.
- Co-investigator, “Agricultural Colonization in the Ecuadorian Amazon” UNC-Chapel Hill (1998-2000) with Richard Bilsborrow, Stephen Walsh and others.

Academic Fellowships, Awards and Recognition

- Grantee, “Tablet PC for Innovative Teaching,” from Tulane’s Innovative Learning Center (2005)
- Grantee, Tulane University Innovative Learning Center Summer Laptop Institute (2003)
- Teaching Award, Graduate Latin American Student Association, Tulane University (2003)
- Grantee, Tulane Innovative Learning Center Faculty Teaching Support, 2002 (with Beth Fussell and Scott Frickel)
- Long term Pre-doctoral trainee, Carolina Population Center (CPC), UNC (from 1993-1998).
- Foreign Language and Area Study (FLAS) Fellowship, (1996-7).
- Mellon Foundation grant for pre-dissertation fieldwork, through UNC-CPC (Summer, 1995).
- Tinker Foundation pre-dissertation fieldwork grant, through UNC-ILAS (1994).
- FLAS Award for Foreign Language Study, through UNC-ILAS (Summer 1994).

Memberships/Associations

Associate of Collegiate Schools of Planning (ACSP), Population Association of America (PAA), American Association of Geographers (AAG), Society for the Social Studies of Science (4S), Latin American Studies Association (LASA)

Languages Spanish, Indonesian, Kiswahili, basic French