

LISA M. CURRAN

Roger and Cynthia Lang Professor in Environment & Anthropology

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CREDENTIALS SUMMARY

Over 25 years of experience in tropical field research on resource use and social-ecological dynamics with specific emphasis on collaborative interdisciplinary projects with in-country non-governmental organizations (NGOs), community-based organizations (CBOs), universities and governmental agencies. My research program focuses on obtaining information relevant for specific policies with outreach required for promoting equitable and sound use of tropical resources that include representative land use decisions as well as incorporate historical inequalities. Over the past 15 years, my international consultancy experience involves assessing effectiveness of conservation, private sector resource use, governmental policies with implementation, and development practices primarily in Asia. My research group - working in Asian, African and Latin American tropical ecosystems - examines the socio-economic and political drivers of land use change with effects on rural livelihoods, biodiversity, hydrology, and/or fire risk, as well as documenting carbon emissions and sequestration. All studies include climate change and especially the effects of El Niño Southern Oscillation (ENSO) on forest and community dynamics. Our recent assessments and current projects in both Latin America and Asia involve sites with ecosystem service payment programs or Reduced Emissions from Deforestation & Degradation (REDD) pilot projects.

In Indonesia, I examine natural resource extraction policies (e.g. timber and agribusiness- primarily oil palm), elite rent capture and revenue distribution. These studies involve field assessments of gov-industry field practices (e.g., living several years in ~18 timber concessions and several months in oil palm plantations) with estimations of costs and benefits of these practices for a diversity of agents. We aim to appreciate the aims, intentions and values of these agents, power dynamics and their local to global contexts through case studies. We combine various methods to document change in natural-social dynamics across time.

Our large interdisciplinary team has an overarching objective to evaluate historical, current and potential or plausible future scenarios of land use change. To do so, we aim to incorporate synergistic factors and feedbacks surrounding direct and indirect effects on rural communities' livelihoods and their interactions with these altered environmental conditions. We also focus on resilience, resistance and a diversity of responses to such change with qualitative studies. This research (with both focal case study regions as well as across the island of Borneo) incorporates multi-sensor satellite imagery to detect forest degradation/fires/conversion, extensive field validation, vertebrate, vegetation dynamics along with soil and hydrological sampling as well as incorporating climatic and socio-economic datasets with modeling potential outcomes over spatial and temporal scales.

During my research, outreach and consultancies in Asia and the US, I have been involved in: 1) investigating and advising change within forest sector policies and logging practices; 2) providing data, input and training to evaluate provincial and district land use plans; 3) generating reliable information for anti-corruption, human rights and anti-illegal logging groups within forestry & agribusiness sectors; 4) surveying condition, change and allocation of protected areas; 5) promoting regional capacity (in Kalimantan) to conduct empirical studies as well as supporting several local NGOs; and 6) enhancing skills through training requested by local organizations, rural communities, NGO staffs, regional university students & their faculty, and protected area and environmental monitoring staffs largely based in Kalimantan involving over >500 Indonesian nationals and >20 rural communities.

Currently, I hold the Roger & Cynthia Lang Professorship Environmental Anthropology/Senior Fellow Woods Institute of the Environment at Stanford University. From 2001-2009, I was a Professor of Tropical Resources at Yale School of Forestry & Environmental Studies & John Musser Director of the endowed Tropical Resources Institute (TRI). Annually at TRI, I administered an interdisciplinary grants program, international tropical symposium, in-country field training program for nationals from tropical countries and public outreach.

EDUCATION

1994 – 1996	Mercer Post-doctoral Fellow, Harvard University, Cambridge, MA USA
1990 – 1994	Ph.D., Ecology & Evolutionary Biology, Princeton University, Princeton, NJ USA
1979 – 1984	A.B., with honors, Anthropology, Harvard University, Cambridge, MA USA
1986-8, 1994-5	Harvard University, non-degree courses: Resource Economics, Government & Biology

PROFESSIONAL EXPERIENCE

2009 – <i>present</i>	Roger & Cynthia Lang Professor of Environmental Anthropology & Senior Fellow, Woods Institute of the Environment , Stanford University, Stanford, CA. USA
2006 – 2009	Professor of Tropical Resource Science , School of Forestry & Environmental Studies, Yale University, New Haven CT. USA; Assoc. Professor , (2001-2005)
2001 – 2009	John Musser Director , Tropical Resource Institute, Yale University, USA
2003 – <i>present</i>	External Faculty , Santa Fe Institute, Santa Fe, NM USA
2008 – <i>present</i>	Executive Board President (external) , Women, Livelihoods, Carbon & Community (WLCC) Research Institute, Pontianak, West Kalimantan, Indonesia. Founding member women-led Indonesian research non-governmental organization. Curran provides full financial and academic support and leads an Executive Board of US Scholars to provide input as requested by this NGO.
Jan – Mar 2010	Expert Group, Consultant, Forest Investment Program, Climate Investment Fund , Five Multilateral Donors, The World Bank, Washington, DC.
Jan – Mar 2010	Consultant, Review of Environmental Programs & External Grants , John C & Catherine T. MacArthur Foundation, Chicago, Ill.
Jan 2009 – Mar 2009	Visiting Research Scholar, East West Center, Environmental Change, Vulnerability and Governance Program , Honolulu, HI USA Interdisciplinary Research: “Reduced Emissions from Deforestation & Degradation: Lessons Learned from Forestry Projects in Indonesia” Writing projects incorporate issues of governance, private sector and equity with carbon, land use by rural communities and REDD focused on Mainland Asia and SE Asia including collaborations with EWC scholars and U Hawaii faculty.
Nov 2007 – Mar 2008	Consultant, Sustainable Forest & Biodiversity Management , Asian Development Bank (ADB)/Global Environmental Facility (GEF) for Natural Resource Economist/Advisor on community carbon Projects (REDD) evaluated several Indonesian pilot projects in Kalimantan, Aceh & West Papua as well as transnational conservation projects (e.g., WWF’s “Heart of Borneo” and WWF-TNC-CI’s “Coral Triangle”).
Sept – Dec 2006	Consultant, Ecological & Economic Sustainability of Asia Pacific Resources International Holdings Limited (APRIL) . Mosaic Plantation Concept review, Riau, West Sumatra, Indonesia. Private Sector requested assessment of their pulp and paper industry, plantation holdings and management practices.
Aug 2005 – Jan 2006	Consultant, Global Assessment of the \$125 M Critical Ecosystem Partnership Fund , The World Bank, Global Environmental Facility, John D. and Catherine T. MacArthur Foundation, Government of Japan and Conservation International (with Michael Wells & Seemin Quamin). Although we reviewed the entire global program, my specific field assessments examined China’s and Indonesia’s CEPF country programs.
2002 - <i>present</i>	Facilitator & Funder NGO SIMPUR, West Kalimantan, Indonesia . Facilitated the concept, program and provide full financial support for this NGO/institute, SIMPUR is a forestry and land use research group based in Pontianak, West Kalimantan, Indonesia. SIMPUR DUA aims to generate, compile, integrate and manage regional data for natural resource research and management and build local scientific and research

capacity. Some team projects completed include: “High Conservation Forest Assessment for West Kalimantan” province; “Environmental Impact Assessment for PT. Sinar Mas oil palm plantation” in Ketapang, West Kalimantan; “Land Use and Spatial Planning for Ketapang District, West Kalimantan”. Current research programs focus on: 1) carbon assessments across various land use types in West Kalimantan; 2) effects of oil palm plantations on rural communities; 3) illegal logging, forest degradation & biodiversity assessments. Financial support from Curran from grants and fellowships

- Jul 1999 – Dec 2003 **Project Team Leader, W Kalimantan Land Use and Natural Resource Management.** (UNTAN/U Michigan/U Maryland/YALE/ SIMPUR, WWF-Indonesia, WHRC). Indonesia’s National Development Planning Agency (BAPPENAS) with regional planning agency (BAPPEDA-KALBAR), regional environmental monitoring agency (BAPPADALDA), local university (Tanjungpura UNTAN) as co-sponsors and in coordination with USAID Natural Resources program, local and regional NGOs, private sector and local government. Funding support primarily from Curran’s NASA – Earth Science Carbon Program & Land Use Land Cover Change grants
- Jul 2003 **Consultant, President’s Initiative on Illegal Logging,** US Department of State & Bureau of Oceans & International Environmental and Scientific Affairs. Washington, DC USA
- Dec 2001 - Jan 2002 **Visiting Research Fellow, Ecosystems and Governance Program, East West Center,** Honolulu, Hawai’i. USA. Research on “Logging and Livelihoods” in Kalimantan, Indonesia with comparative studies on the forestry sector in tropical countries.
- Jul 1996 - Jun 2001 **Asst. Professor of Ecological Sustainability,** School of Natural Resources & Environment (SNRE), International Institute & Dept. Biology, U. of Michigan, Ann Arbor, MI
- Mar 2001 **Consultant, Regional Biodiversity Action Plan/Experts Consultation for Asia,** Asian Development Bank, Manila, Philippines. *Asian Regional Biodiversity Action Plan.*
- Oct 1997 - Feb 1998 **Consultant, Forest Fires, Carbon-Offsets (JI-CDM Kyoto) & Climate Change,** US Agency for International Development (USAID) Government of Indonesia (GOI) and International Resources Group (IRG). Jakarta & Kalimantan Indonesia.
In 1997, served as keynote speaker and symposium coordinator in Jakarta Indonesia for US State Dept. delegation to the UNFCCC Kyoto Climate Change meetings. Produced briefings on Indonesian government policies, forestry sector, carbon sequestration and forest fire crisis
- Jun - Sept 1997 **Consultant, Forest Management Advisor for Industrial & Community Forestry,** USAID, GOI & IRG. Kalimantan, Jakarta, Indonesia
- Jan - Jun 1996 **Forest Ecologist, Consultant,** Government of Indonesia (GOI) and World Wide Fund for Nature (WWF-Indo) in an International Timber Trade Organization (ITTO) funded project
- Sept 1994 - Jan 1996 **Mercer Post-doctoral Fellow, Harvard University,** Cambridge, MA USA
- May - Jul 1995 **Biodiversity Team Leader for NGO/CBO Participation in Biodiversity Action Plan, Sri Lanka,** Natural Resources and Environmental Policy Project (NAREPP/IRG), Ministry of Transport, Environment and Women’s Affairs, Sri Lanka, US Agency for International Development (USAID) and International Resources Group (IRG), Colombo, Sri Lanka
- Feb 1995 **Technical Consultant, Forestry Unit & Biodiversity Conservation Unit, Indonesia Environmental Assessment - 10 year Strategic Plan for USAID-Asia Bureau.** World Resources Institute, Center for International Development & Environment, Washington, DC
- July - Dec 1992 **Special Forestry Advisor to the Bureau Chief of the Department of Natural Resources and the Environment,** in the Central Agency for Indonesian National Development Planning Agency, (BAPPENAS), Natural Resource Management Project, Associates in Rural Development (ARD) International Timber Trade Organization (ITTO) & USAID. Kalimantan & Jakarta, Indonesia

- Mar - June 1992 **Forest Sector Research Advisor, Indonesian Timber Conglomerates**
Natural Resource Management Project, Government of Indonesia (GOI), Associates in Rural Development (ARD) International Timber Trade Organization (ITTO) & United States Agency for International Development (USAID). Kalimantan & Jakarta, Indonesia.
- Nov 1991 - Mar 1992 **Forestry Management & Conservation Advisor**, Natural Resource Management Project, Government of Indonesia (GOI), Associates in Rural Development (ARD) International Timber Trade Organization (ITTO) & US Agency for International Development (USAID)
- Jan 1985 - Nov 1991 **Co-director, Field Research and Training Program**, Cabang Panti Research Site, Gunung Palung National Park, West Kalimantan, Indonesia. In 1985, established research site and ecological sampling program, trained local park managers, village staff and local and expatriate students. Overall, spent **>65 field months** studying ecology of Bornean forests until 2002 when research site closed to foreign researchers.

AWARDS & FELLOWSHIPS

- 2007-2012 John D. and Catherine T. MacArthur Foundation, Fellow
- 2003-2012 Santa Fe Institute, External Faculty (three 3-yr terms)
- 2006 Columbia University, Marie Tharp Visiting Fellowship, Lamont Doherty/Earth Institute
- 2006 Fulbright Faculty Research-Teaching Fellowship (Brazil, declined)
- 2004 Ecological Society of America, Aldo Leopold Leadership Fellow
- 2004 AAAS/NSF Women's International Science Collaboration
- 2001 University of Michigan, Henry Russel Award, Exceptional Scholarship & University Service (annual sr/jr faculty award).
- 2001 University of Michigan, Lit, Sciences & Arts, Excellence in Research Award
- 2000 University of Michigan, Lit, Sciences & Arts, Dean's Meritorious Faculty
- 1998 University of Michigan, Lit, Sciences & Arts, Excellence in Education Award
- 1994-96 Harvard University, Mercer Post-doctoral Fellowship
- 1989-93 National Science Foundation, Graduate Fellowship

SELECTED PROFESSIONAL SERVICE 1999-2009

- 2007 - *present* Editorial Board, *Journal of Conservation & Society*
- 2009 - *present* NSF Working Group "Interdisciplinary Natural & Social Science" W. Clark & S. Levin co-leaders
- 2006 - *present* Executive Board, CIESIN/NASA/Columbia University: User Working Group Socioeconomic Data & Applications Center (SEDAC)
- 2006 - *present* Editorial Board, *Environmental Research Letters*
- 2004 - *present* The Forest Dialogue, Member, International Consortium, Washington, DC/New Haven, CT USA
- 1999 - *present* Board Member, Tropical Forest Foundation, International Consortium, Washington, DC USA
- 2006-2009 NASA Carbon Cycle and Ecosystems Management Operations Working Group
- 2005-2008 NASA NAC Science Subcommittee Advisory Board, Earth Sciences
- 2005 Guest of Editorial Review Board, *Annual Review Resources and Environment*
- 2005 NASA- Earth Sciences, Land Use Land Cover Change, Panelist
- 2005 National Science Foundation, Biocomplexity Program, Panelist
- 2004-2005 Millennium Ecosystem Assessment Section on: Tropical Resources and Ecosystem Goods and Services Assessment, Participant, Commentary and Reader/Editor.
- 2002 NASA – Large-Scale Biosphere-Atmosphere Experiment in Amazônia, Panelist
- 2001-2004 Forest Integrity Network, Transparency International, Steering Committee, Corruption in Forestry

1999 National Research Council, Board on Agriculture and Natural Resources, Committee on National Capacity in Forestry Research, Invited Participant and Contributor

RESEARCH GRANTS & FUNDING

Pending or in prep

- 2010- NASA-Earth Sciences PI: Curran et al. *Socio-economic and Political Drivers of Oil Palm Expansion in Indonesia: Effects on Rural Livelihoods, Carbon Emissions and REDD*.
Pre-proposal submitted 1 December 2009; full proposal May 2010.
- 2010- National Science Foundation (NSF) PI: Curran, L.M., J.H. Jones, J. S. Lansing, K. Suyanata, & J.M. Belsky with B. Soares-Filhos (Brazil). *Climate, Ecosystems & Livelihood: Assessing Resilience and Vulnerability of Forest-Dependent Communities to Agribusiness*.
- 2010- NSF Geography and Regional Science. PI: Curran, L.M., *Socio-economic and political drivers of Bornean land use change: Effects on livelihoods, carbon emissions and ecosystem function*.

Current

- 2009-2010 Geo-Informatics and Space Technology Development Agency. Gov. of Japan. Carlson, Kim & L.M. Curran, *Using high-resolution THEOS satellite data to measure the effects of oil palm plantation development on land use/land cover and carbon stocks in West Kalimantan, Indonesia*. THEOS satellite image data grant.
- 2009-2010 Geo-Informatics and Space Technology Development Agency, Gov. of Japan. Alexandra Ponette-Gonzalez, A., K. Young & L.M. Curran. *Spatial patterns of tropical montane forest cover across national park boundaries in the northern Peruvian Andes*. THEOS satellite image data grant.
- 2009-2012 NSF Graduate Fellowship PI L.M. Curran for K Carlson, *Regional Effects of Oil Palm on Land Use Change, Rural Livelihoods and Ecosystem Services in Borneo* ~\$82,000
- 2008-2011 NASA Earth Science Fellowship, PI L.M. Curran for K. Carlson, *Regional Effects of Oil Palm on Land Use Change, Rural Livelihoods and Ecosystem Services in Borneo* ~\$82,000
- 2007-2010 Compton Foundation, Program in Environment, Peace, Population, Health and Sustainability (Africa & Latin America). PI Curran, L.M. and A. Doolittle. \$150,000
- 2006-2011 The Lisbet Rausing Charitable Fund, PIs M. Ashton, L.M. Curran, A. Doolittle and B. Gentry. *The Environmental Leadership and Training Initiative (ELTI) for Biodiversity Conservation in Tropical Asia and Latin America* \$4,832,527

Previous

- 2006-2009 Santa Fe Institute and McDonnell Foundation, PI Curran, L.M. and G.P. Asner, *SIMBORNEO: Modeling Robustness of Socio-ecological Systems of Borneo: Emergence and persistence of structure through the interaction of cultural, socioeconomic, and ecological dynamics*. \$498,000
- 2006-2009 NASA Goddard Graduate Science Research Program, PI L.M. Curran for A. Ponette Gonzalez *Land Cover Effects on Water Fluxes and Atmospheric Deposition across a Mexican Tropical Montane Landscape* ~\$82,000
- 2004-2009 NSF, Biocomplexity: Coupled Human and Natural Systems, D. Nepstad, G. Amacher, L.M. Curran, R. Kaufmann, R. Houghton. *Feedbacks among Forestry, Agriculture and Fire across the Amazon Basin*, \$1,997,287
- 2005-2008 NASA, Curran, L.M., S. Trigg, D.C. Nepstad and R.A. Houghton, *Effects of Logging, Plantation Conversion, Biomass Burning and Regrowth on Carbon Dynamics in Bornean Peat and Dipterocarp Forests: Implications for Global Carbon Cycle*, \$669,123
- 2005-2008 NASA, R. DeFries, S. Trigg, G.J. Collatz, D. Morton, L.M. Curran, L. Giglio, G. van der Werf, J. Randerson. *Reducing Uncertainties of Carbon Emissions from Land Use-Related Fires in Humid Tropics: Indonesian Borneo and Amazonian Brazil*, \$669,525
- 2006-2007 NSF Doctoral Improvement Grant, K. Weathers and L. M. Curran, co-advisors for

- A. Ponette Gonzalez *Land Cover Effects on Water Fluxes and Atmospheric Deposition across a Mexican Tropical Montane Landscape* \$12,000
- 2006-2007 Yale Interdisciplinary Research Program: D. Esty, B. Cashore, L. Curran, R. Repetto
Environmental Governance: The Search for Best Practices \$24,000
- 2005-2006 Santa Fe Institute, Curran, L. M., M. Daniels, *Modeling Robustness in Bornean Ecosystems*
- 2006 Fulbright Fellowship Brazil, Curran, L. M. Fed. U. of Pará, Belém, Brazil (declined)
- 2003-2006 Gordon and Betty Moore Foundation, Pl. D. Nepstad, Woods Hole Research Center lead institution, Member of ten institution interdisciplinary consortium, *Amazon Scenarios*.
- 2001-2005 NASA, Earth Science Program, Curran, L.M., Bergen, K., E. Kasischke, *Influence of Humans, Climate and Fire on Forest Ecosystems & Carbon Dynamics in Kalimantan, Indonesia*, \$746,000
- 2002-2004 NASA, A. Hansen, R. DeFries, L. M. Curran, W. Turner, J. Liu, E. Moran *Land Use Change around Protected Areas in Land Cover Land Use Change Sites: Synthesis of Rates, Consequences for Biodiversity and Monitoring Strategies*, \$610,000
- 2004-2005 International Center for Research in Agroforestry (ICRAF), L.M. Curran & A. Doolittle, *Agroforestry in Landscape Mosaics partnership (ALAM)* \$20,000
- 2001-2005 International Center for Research in Agroforestry (ICRAF) L. M. Curran & A. Doolittle, *Agroforestry Fellowships for Africa*, \$125,000
- 2003-2004 Yale Class of 1980, L.M. Curran & A. Doolittle, Video Editing Center, \$8,500
- 2003-2004 Larry & Margaret King Distinguished Lecture Series, L.M. Curran & A. Doolittle. *Globalization & the Environment: International Agendas and Local Responses*. \$10,000
- 2003-2004 COOP-Nafsa USA State Department, L. M. Curran & A. Doolittle. *Social Science Research Methods and Ethics in the Field*.
- 2004 AAAS/NSF Women's International Science Collaboration (WISC) Curran, L.M. & C. Azevedos-Ramos (Brazil). *Linkages in the Landscape: Assessing the Effects of Land-use Change on Vertebrate Population Dynamics in the Brazilian Amazon*.
- 2002-2004 NASA Earth Science, Graduate Fellowship, Curran, L. M. Advisor for K. Peay, *Effects of ENSO and drought on resilience of Bornean Dipterocarp forests*, \$78,000
- 2003 Yale Center for the Study of Globalization & International Area Studies. Curran, L.M. & A. Doolittle *Globalization & the Environment: International Agendas and Local Responses*, \$25,000
- 2003 Yale Center for the Study of Globalization, Curran, L.M. *World Parks Congress: Social Involvement & Educational Outreach* \$8,000
- 2002-2004 Leverhulme Trust, UK. Milner-Gulland, E J., M. Keeling, L.M. Curran. *Modeling effects of spatio-temporal habitat change on nomadic species in Borneo*, £109,004
- 2002-2003 NSF, Biocomplexity: Dynamics of Coupled Natural and Human Systems with Packard Foundation & Santa Fe Institute, Lansing, S, L. M. Curran, T. Park, M. Steiner. *Robustness of Coupled Natural and Human Systems: Collaborations with Archeologists, Anthropologists, Political Scientists, Geographers, Ecologists and Engineers* \$36,000
- 2001-2002 Conservation, Food & Health Foundation, Curran, L. M. with E. Blumer, I. Caniago, D. Astiani, C. O'Connor. *Bornean bearded pig (Sus barbatus barbatus) population ecology and Dayak hunting practices across a logging concession and Bukit Baka National Park in Kalimantan: Implications for local community livelihoods and equitable resource management*, \$23,000
- 2001-2002 Indonesian National Development Planning Agency (BAPPENAS) and World Bank-Indonesia, Curran, L.M. with I. Zulkarnain and H. Haeruman. *Socio-economic, Political and Governance Issues Surrounding the Forestry Sector: Regional Autonomy, Natural Resource Management & Rural Livelihoods*, \$140,000
- 1999-2003 EPA- Science to Achieve Results, graduate fellowship, Curran, L.M. advisor for D. DeJoode, *Succession in managed forests: A study of FSC certified timber harvesting and biodiversity conservation on the Menominee Indian Reservation*, \$102,000

- 1999-2001 National Center for Ecological Analyses, Sork, V. D. Kelly & A. Leibold (co-PI among 6 others). *Evolutionary Causes & Consequences of Mast-Fruiting in Plants*, \$120,000
- 2000-2001 International Institute, U. Michigan, Curran, L.M. *International Natural Resource Partnerships & Exchange: Enhancing Local Institutional Capacity in Kalimantan, Indonesia*. \$25,000
- 2000-2001 University of Michigan, LS&A, Curran, L.M. *Interdisciplinary Course Speaker Series for Anthropology and Ecology: Exploring Sustainable Development*, \$3,500
- 1999-2000 International Institute, U of Michigan, co-PI Curran, L.M. *International Partnerships Program, South African Initiative*, \$30,000. University of Cape Town, South Africa.
- 1998-1999 LS&A U. of Michigan, Curran, L.M. *Interdisciplinary Course Development & Community Outreach to Menominee Indian Nation College, Sustainable Development Degree Program*, \$6,600
- 1998-1999 LS& A Dean for Undergraduate Education, Curran, L. M. *Teaching with Technology Mini-Grants*.
- 1998-1999 The Charles A. and Anne Morrow Lindbergh Foundation, Curran, L.M. and graduate student D. DeJoode. *Succession in managed forests: A study of certified timber harvesting on the Menominee Indian Reservation*, \$10,580
- 1998-1999 The Nature Conservancy - TNC and Programme for Belize, Curran, L.M. for joint degree (SNRE & Business School) graduate students. *Rio Bravo Carbon Sequestration Pilot Project: Case Study in Joint Implementation Projects*, \$8,250
- 1998 Office of the Vice President for Research, U of Michigan, Curran, L.M. *Tropical Ecosystems: Global Resource & Management Issues: Linking Disciplines (Biology & Anthropology) & Professional Schools (SNRE, Business & Law)*. \$10,000
- 1998 Center for Clean Air Policy –CCAP, Curran, L.M. for joint degree master's students. *Global Climate Change Policy in Central & Eastern Europe: An Institutional Analysis*, European Studies, Business School & SNRE.
- 1997 International Institute, U of Michigan, Curran, L.M. *Interdisciplinary Tropical Studies*
- 1996-1999 EPA-Science to Achieve Results, Graduate Fellowship, Curran, L.M. advisor for Amy McEuen, *Seed availability & woody plant distributions in a fragmented hardwood forest-agricultural landscape: Evaluation of a recruitment limitation hypothesis*. \$100,000
- 1996-1999 International Timber Trade Organization (ITTO; Project 26/93 Rev.1F) with Indonesian Parks and Conservation (PHPA) awarded to WWF-Indonesia. *Development of Bentung Kerihun Nature Reserve as a Transboundary National Park Phase I.*, \$1,309,272
- 1995-1996 Mercer Post-doctoral Fellowship, Harvard University, Curran, L.M. \$36,000
- 1995 Arnold Arboretum, Harvard University, Curran, L.M. *Dipterocarp Forests of Thailand*, \$2,850
- 1991-1992 USAID/WRI/ WWF/TNC Biodiversity Support Program, Curran, L.M. *Effects of Selective Logging on Dipterocarp Forest Regeneration and Dipterocarp Seed Predators in Kalimantan*, \$13,970
- 1991-1992 W. Alton-Jones Foundation, Curran, L.M. *Developing Indonesian Scientific Leadership in Rainforest Conservation and Ecology*, \$16,000
- 1991-1992 Conservation International, Curran, L.M. *Reproductive Ecology of Mast-fruited in Bornean Dipterocarpaceae: Implications for Vertebrate Seed Predators*, \$8,000
- 1990 WWF-US, Curran, L.M. *Vertebrate Responses to Mast-Fruited Dipterocarpaceae*, \$3,500
- 1989-1990 Wildlife Conservation International, Curran, L.M. *Developing Indonesian Scientific Leadership in Rainforest Conservation and Ecology*, \$7,000

PUBLICATIONS & TECHNICAL REPORTS

**** indicates graduate student working with Curran**

In prep.

Curran, L. M., K. Carlson, ** J. M. Adeney, G. P. Asner, M. Myint, D. Astiani, ** S. Trigg, A. McDonald Pittman, P. Oliveria, D. Ratnasari, and M. Mugiman. *in prep.* Indonesian peat forests: peat depth, carbon sequestration, storage and emissions from land use change.

- Carlson, K ** Curran, L. M., G. P. Asner,, D. Ratnasari, B. Soares-Filho, A. McDonald-Pittman, P. Oliveria, S. Trigg. *in prep.* Scenarios of the effects of agribusiness expansion on Bornean land use and carbon emissions. *PNAS*
- Curran, L.M., K. Carlson,** D. Ratnasari, A. McDonald-Pittman, *in prep.* Scenarios of the effects of agribusiness expansion on Bornean land use and rural livelihoods. *PNAS*
- Curran, L. M., C. O'Connor, ** A. McDonald-Pittman, D. Ratnasari and J.S. Belsky, *in prep.* Logging and rural livelihoods: Ecological, socio-economic and political interactions in Bornean timber concessions from 1992-2009. *Ecology & Society*

In review or revisions

- Curran, L.M., D. Astiani, ** M. Myint, A. McDonald-Pittman and M. Mujiman, *in review*, Bornean peat forest carbon budgets: Effects of ENSO and peat depth on net primary productivity and soil CO₂ emissions. *Global Change Biology*
- Ponette- Gonzalez, A., ** L.M. Curran, K. Weathers, *ms*, From the ground up: Use of empirical assessments to identify key watershed services in Mexican mosaic montane landscapes. *Global Environmental Change: Human and Policy Dimensions*
- Balch, J. K.,** L. M. Curran, D. C. Nepstad, P. M. Brando, O. Portela, P. Guilherme, J. D. Reuning-Scherer and O. de Carvalho Jr. *in review*, Experimental understory fires reduce carbon stores by loss of sub-canopy stems in residual forests of an Amazon agribusiness landscape. *Forestry and Ecosystem Management*

Published

- Ponette- Gonzalez, A., ** K. Weathers, and L.M. Curran, 2010. Tropical land-cover change alters rates and spatial patterns of ion fluxes to canopies and soils in a montane landscape in eastern Mexico
Ecological Applications.online:
- Carlson, K., ** and L.M. Curran, 2009. REDD Pilot Project Scenarios: Are costs and benefits altered by spatial scale? *Environmental Research Letters* 4: doi:10.1088/1748-9326/4/3/031003
- Ponette- Gonzalez, A. K., ** Weathers, and L.M. Curran, 2009. Land cover, rain and fog seasonality, and El Niño Southern Oscillation alter water inputs to a tropical montane landscape in Veracruz, Mexico.
Global Change Biology 10.1111/j.1365-2486.2009.01985x.
- Balch, J.K.,** D. C., Nepstad, and L.M. Curran, 2009. Pattern and process: Fire-initiated grass invasion at Amazon transitional forest edges. Pp. 481-502. In: *Tropical Fire Ecology: Climate Change, Land Use and Ecosystem Dynamics*. Ed M. A. Cochrane. Springer, New York.
- Balch, J.K., ** D. C. Nepstad, P.M. Brando, L.M. Curran, O. Portela, O. de Carvalho Jr., and P. Lefebvre, 2008. Negative fire feedback in a transitional forest of southern Amazonia. *Global Change Biology* 14: 2276-2287.
- Paoli, G. D.,** L.M. Curran, and F. Slik, 2008. Soil nutrients affect spatial patterns of above ground biomass and canopy tree abundance throughout a Bornean landscape. *Oecologia* 155:287-299.
- Cannon, C. H.,** L. M. Curran, A. J. Marshall, and M. Leighton, 2007. Beyond mast-fruiting events: community asynchrony and individual sterility dominate woody plant reproductive behavior across seven Bornean forest types. *Current Science* 10:21-28.
- Cannon, C. H.,** L. M. Curran, A. J. Marshall, and M. Leighton, 2007. Long-term reproductive behavior of woody plants across seven Bornean forest types in the Gunung Palung National Park (Indonesia): supra-annual synchrony, temporal productivity and fruiting diversity. *Ecology Letters* 10:956-969.
- Paoli, G. D.,** and L. M. Curran, 2007. Soil nutrients limit aboveground productivity in mature lowland tropical forests of Southwestern Borneo. *Ecosystems* 10:503-518.
- Gullison, R.E, P. Frumhoff, J. Canadell, C. B. Field, D.C. Nepstad, K. Hayhoe, R. Avissar, L.M. Curran, P. Friedlingsten, C.D. Jones and C. Nobre. 2007. Tropical forests and climate policy. *Science* 316:985-986.
- Sodhi, N. S. T. M. Brooks, L. P. Koh, G. Acciaioli, M. Erb, A. K Tan, L. M. Curran, P. Brosius, T. M. Lee, J. M. Patlis, M. Gumal and R. J. Lee. 2006. Biodiversity and human livelihood crises in the Malay archipelago. *Conservation Biology* 20:1811-1813.
- Curran, L.M., and S. D. Trigg. 2006. Sustainability science from space: Quantifying forest disturbance and land use in the Amazon. *Proc. of Nat. Acad. Sci.* 103:12663-12664.

- Soares-Filho, B., D. C. Nepstad, L. M. Curran, G. C. Cerqueira, R. A. Garcia, C. A. Ramos, E. Voll, A. McDonald, P. Lefebvre, P. Schlesinger. 2006. Modelling conservation in the Amazon basin. *Nature* 440:520-523.
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INVITED SEMINARS & CONFERENCE SYMPOSIA: 2002-2010

- 2010** American Association Advancement of Science, Symposium “Climate Change in Working Landscapes: Sustainability Science and Policy Perspectives” San Diego, CA. *scheduled*
Oxford University, “James Martin 21st Century School Seminar”, Biocomplexity, Oxford, UK. *scheduled*
- 2009** American Association of Anthropology, Invited Symposium: “Quantitative Environmental Analyses in Environmental Anthropology”, Philadelphia, PA.
East-West Center, Honolulu, HI.
Department of Anthropology, Stanford University, Stanford, CA
- 2008** University of Wisconsin, “Roy F. Weston Distinguished Global Sustainability Lecture Series”, Madison, WI.
NASA Science Program Meeting, Invited Workshop Coordinator and Presenter: “Social, Economic and Political Applications of NASA’s Research Program”, College Park, MD
Santa Fe Institute, “Modeling Robustness in Coupled Natural & Human Systems Workshop”, Santa Fe, NM
- 2007** Santa Fe Institute, Santa Fe, NM. “Dynamic Structure of Robustness in Social Systems”, Workshop
29th General Assembly (GA) of the International Union of Biological Sciences (IUBS) and the National Academy of Sciences. “Biological Sciences for the 21st Century: Meeting the Challenges of Sustainable Development in an Era of Global Change.” Washington, DC.
Stanford University, Anthropological Sciences and Woods Institute for Environment, Stanford, CA.
Association for Tropical Biology and Conservation, “Linking Tropical Biology with Human Dimensions”
Plenary Speaker, Morelia, Mexico.
Arizona State University, School of Human Evolution & Social Change & Center for Social Dynamics and Complexity with Institute of Sustainability, “Wrigley Lecture on Sustainability”. Tempe, AZ.
Harvard University, Kennedy School International Development, “Frontiers in Sustainability Science”
World Wide Fund for Nature, “Katherine Fuller Conservation Science Speaker” Series; Public Lecture, Washington, DC.
Rutgers University, University –wide Interdisciplinary Program Keynote: “Global Futures Symposia – Transboundary Issues”, New Brunswick, NJ.
Santa Fe Institute Science Board, Board of Trustees and Donors, Keynote Speaker

- Institute Biospheric Studies, Yale University, New Haven, CT.
 Yale University, MacMillan International Institute, "Debate on Road Building in the Amazon"
- 2006** Stanford University, "Annual Boething Lecture on Forests and Human Dimensions"
 Columbia University, Earth Institute, Lamont Doherty Earth Observatory, NY.
 University of California- Berkeley, Energy and Resources Group, Berkeley, CA.
 Instituto De Ecologia (INECOL), Xalapa, Veracruz, Mexico
 Plenary Speaker, Association for Tropical Biology and Conservation, Kunming China (declined)
 NASA Land Use Land Cover Change and Carbon Symposium, College Park, MD.
- 2005** Santa Fe Institute, Workshop organizer, "Robustness in Tropical Ecosystems", Santa Fe, NM
 NASA Land Use Land Cover Change and Carbon Symposium, College Park, MD
 Stanford University: Invited "Whole Earth Systems Symposium Speaker", Stanford, CA
 The Forest Dialogue "Illegal Logging in Asia", Hong Kong, China (participant only)
 University of Michigan, Campus-wide "Interdisciplinary Environmental Speaker Series", Ann Arbor, MI.
 International Society of Tropical Foresters Annual Students Conference: "Conservation in the Matrix" Yale
 University moderator and Panelist and faculty advisor, New Haven, CT
 SUNY-Stony Brook, Department Ecology and Evolutionary Biology, Stony Brook, NY.
 Stony Brook World Environmental Forum Event (invited participant only)
 University of Singapore, "Protected Areas of Malayan Archipelago Symposium", Singapore
 Santa Fe Institute and University of Sao Paulo, "Cycles of Social and Environmental Complexity in Lowland
 Latin America," (co-organizer with Santa Fe Institute), Florianópolis, Brazil.
 Society Conservation Biology, Symposium "Large-scale conservation in expanding Amazon frontiers:
 Integrating across scales and disciplines", Brasilia, Brazil,
 Indonesian Agency for Environmental Monitoring (BAPPADALDA), Keynote Speaker, West Kalimantan.
 Santa Fe Institute & University of Arizona, "Modeling Robustness in Coupled Natural and Human Systems
 Workshop" Tucson, AZ.
- 2004** Keynote Speaker, Duke University Symposium on "Global Trade and Local Environments", Durham, NC.
 NASA Large-Scale Biosphere-Atmosphere Experiment in Amazonia Program, Brasilia, Brazil.
 Princeton University, Woodrow Wilson School, Science Technology & Environment Series, Princeton, NJ.
 Institute of Ecosystem Studies, Millbrook, NY.
 Gordon and Betty Moore Foundation, Amazon Scenarios User Group meeting; Lima, Peru.
 Yale University, Department of Ecology & Evolutionary Biology Seminar Series, New Haven, CT
 NASA, Land Use Land Cover Change Symposium, College Park, MD.
 International Society of Tropical Foresters Conference, Yale University, "People and Parks: Beyond the
 Debate" Speaker, moderator, faculty co-organizer, New Haven, CT.
 Santa Fe Institute, Santa Fe, NM.
- 2003** National Science Foundation, Plenary Speaker, Biocomplexity Grantees Meeting, Washington, DC.
 Clark University, George Perkins Marsh Annual Invited Lecture, Worcester, MA.
 Convention of the Parties on Climate Change (COP 9), Side Event speaker: "Kyoto Protocol and Tropical
 Deforestation", Milan, Italy.
 American Geophysical Union, Symposium: "Effects of Land Use Change on Biodiversity", Santa Fe, NM.
 NSF Biocomplexity Symposium "Robustness in Natural & Human Systems" speaker & co-organizer, Santa
 Fe Institute, Santa Fe, NM.
 Gordon & Betty Moore Foundation with ten member institutions research consortium,
 "Amazon Scenarios" Woods Hole Research Center, Woods Hole, MA.
 Woods Hole Research Center –Seminar Series, Woods Hole, MA.
 Federal University of Pará, Four lectures, Belém, Brazil.
 University of Maryland, Dept. of Geography, College Park, MD.
- 2002** Association for Tropical Biology, invited symposium, "Keystone Species in Tropical Ecosystems", Panama.
 Montana State University, NASA Workshop and Symposium "Land Use Change around Protected Areas:

Effects on Biodiversity”, Bozeman MT.

International NASA-NIH Symposium on “Linking Household and Remotely Sensed Data: Methodological and Practical Problems”; East West Center, Honolulu, HI.

Southeast Asian Studies, Yale Center for International Studies, New Haven, CT.

International Society of Tropical Foresters Conference Yale University “Illegal Logging in the Tropics”, Speaker, panel moderator and faculty advisor, New Haven, CT.

University of Maryland, Department of Geography, College Park, MD.

Regional Southeast Asian Studies Symposium held at Yale University, Panelist, New Haven, CT.

University of Tennessee, Department of Natural Resources & Wildlife, Knoxville, TN.

NASA International Meeting, Symposium “Land Use Land Cover Change in the Tropics” College Park, MD.

GRADUATE ADVISING & UNIVERSITY TEACHING

**Doctoral Dissertations Supervised – 10; Doctoral Committee Member – 19;
Master’s Thesis/Independent Project/Research – 131 graduated**

Current/Recent Ph.D Advisor:

- **Jennifer Balch, (Ph.D 2008), *Effects of Recurrent Fire on Transitional Forest Dynamics in the Amazon’s Wildfire Frontier in Mato Grosso, Brazil.*** NSF Graduate Fellowship, Fulbright & Heinz Foundation Fellowships Current: National Center Ecological Analyses & Synthesis (NCEAS) Post-doctoral Fellow 2008-11.
- **Alexandra Ponette Gonzalez, (Ph.D 2009), *Land Cover Effects on Water Fluxes and Atmospheric Deposition across a Mexican Tropical Montane Landscape.*** Ford Foundation Minority Fellowship, Fulbright-Hayes Fellowship, NSF Dissertation Improvement Grant, NASA Goddard GSRP Fellowship. Current: NSF Post-doctoral Fellow, Dept. of Geography & the Environment, U. of Texas, Austin (2009-2012).
- **Kimberly Carlson, Msc. 2006-present, *Modeling Regional Effects of Oil Palm Expansion on Land Use Change, Rural Livelihoods & Ecosystem Services in Borneo.*** NSF Pre-doctoral Fellowship, NASA Earth Science Fellow. (*post-qualifying exams*) Stanford Exchange Scholar 2009-present.
- **Dwi Astiani, Msc. 2007-present, *Carbon Dynamics, Fire, and Conversion of Peat Swamp Forests in Indonesian Borneo: Effects of Climate & Land Use on Peat Ecosystems*** (*post-qualifying exams*)

Ph.D Committee Member – 19 (16 graduated; 1 post-qualifying exam; 2 exams pending)

Stanford University – 3 current

- Department of Anthropology & E-Interdisciplinary Graduate Program in Environmental Resources

Previous – Graduated

University of Michigan – 11

- School of Natural Resources & Environment – 5
- Department of Biology – 5
- Department of Anthropology – 1

Yale University – 3

- Forestry & Environmental Studies – 1
- Dept. of Ecology & Evolutionary Biology – 1 (qualifying exams, left Yale with advisor)
- Dept. of Epidemiology & School of Public Health – 1 (qualifying exams, changed project to US)

External – Duke University – 2

- Department of Botany– Charles H. Cannon
- Nicholas School of the Environment – J. Marion Adeney

Masters' Thesis/Project Advisees/Independent Research Studies – 52 @ Yale & 79 @ U Michigan: Forestry & Environmental Studies (FES) includes joint degree programs FES-School of Management, FES- Law School & FES-International Studies & FES-Public Health. School of Natural Resources & Environment: also includes joint masters- degree: SNRE- Business School, SNRE-Law School and SNRE-Public Health

Senior Undergraduate Thesis Advisees – Yale/Michigan: 6

Current Undergraduate Academic Advisor – Stanford: 5

Postdoctoral Associates Supervised – 5

- 2009-present Dr. J. Marion Adeney (Stanford University)
- 2009-present Dr. David Gaveanu (Stanford University)
- 2006-2007 Dr. Robert Ballis, University Corporation for Atmospheric Research Postdoctoral Fellow
Current: Jan 07- Assistant Professor, Yale University
- 2002-2005 Dr. Amity Doolittle, *Current:* Research Scientist & Senior Lecturer, Yale University
- 2001-2005 Dr. Simon Trigg, Asst to Assoc. Research Scientist, U. Maryland, College Park (NASA);
Current: Lecturer, Dept. Geography, Crandall University, UK

Visiting International Scholars to Yale Laboratory – 5

- 2005, 2008 Dr. Britaldo Soares-Filho, Professor Geography, University Minas Gerais, Brazil
- 2007-2008 Dr. Qiu Yang, Assoc. Prof. Ecology & Geography, Beijing Normal University, Beijing China
- 2008-2009 Dr. Kamaruzaman Jusoff, Professor of Forestry, Co-Director Forest Geospatial Information University Putra Malaysia, Selangor, Malaysia
- 2007 Mr. Anjan TERI, India, Msc. research in my lab group.

University Courses Taught 1996-2010 (8-9 credit hours/year).

Stanford University – Quarter System

2009- E-IPER 310 **Graduate Seminar in Interdisciplinary Environmental Resources: Research** (Fall)

2010- Anthro 166/266: **Political Ecology of Tropical Land Use: Conservation Natural Resource Extraction & Agribusiness** (Winter) 3-5 credit hrs

2010- Anthro 173/ Human Biology 111: **Human Dimensions of Global Environmental Change: Resilience, Vulnerability & Environmental Justice** (Spring) 3 credit hrs

Yale University 2001-2009 – Semester System (3 credit hrs): Masters & Ph.D students

2002-2007; FES 528b **Tropical Ecosystem Dynamics & Anthropogenic Change**. Developed a new interdisciplinary graduate course all on electronic media for translation & use in tropical countries.

2002-2007 Lecturer, **Sustainable Development Module, with co-taught with Dr. Daniel Esty, Yale World Fellows Program – 30 Mid-career International Leaders @ Yale annually**. This highly selective program developed by Yale President Levin funds journalists, governmental officials, NGO leaders and others with various positions to spend a semester at Yale. My teaching component explores the socio-economic and ecological impacts of corruption on natural resources and highlights the importance of governance and civil society with case studies in Indonesia, Democratic Republic of Congo and Brazil.

2002 FES 837b **Environment & Sustainable Livelihoods: Governance, Donors and Debt**. Co-instructor with **Dr. Wangari Maathai**. Graduate course focusing on African issues of development and environment. Two week field survey of Green Belt Movement in Kenya.

2003 FES 765B **Globalization & Environment: International Agendas & Local Responses**. Co-taught with **Dr. Amity Doolittle**. New interdisciplinary course with invited international speakers, lectures & film series.

2003 FES **Protected Areas in the 21st. Century**. Co- taught with **Gordon Geballe** Debate social-natural issues surrounding protected areas before 5th World Parks Congress in Durban, South Africa Sept 2003. Student produced an international report with presentations and workshops at the World Parks Congress.

2003-2004 FES 556 **Field Seminar on the Conservation and Development of the Amazon** co-taught with Drs.

Daniel Nepstad & David McGrath (Woods Hole Research Center/IPAM). Interdisciplinary field course in the Brazilian Amazon. In S03, lectures with two week interdisciplinary field program; S04 lectures w/o field. 2002-2007 FES 604b **Topics in the Tropics: Graduate Seminar on Current Issues** – Varies annually
 Examples include: **Community Conservation, Integrated Conservation and Development Projects, People & Protected Areas: Conflicting Views & Effects of Land use Change on Tropical Ecosystems**
 2005 & 2007, 2008 FES604b **Linkages in the Landscape: Effects of Land Use Change on Ecosystems.** New course developed that integrates new satellite technologies and applications of land use change to address questions of NPP, biogeochemistry, carbon, watersheds and biodiversity with synergistic effects of climate change.
 2005 & 2008 FES 620a: **Leaves, Livelihoods, & Landscapes: Ecology, Socio-Economics and Politics of Development across Borneo.** Co-taught with Dr. Amity Doolittle. New interdisciplinary capstone course
 2007 FES 535a 70002a: **Natural Science Research Methods.**
 2001-2008 FES 527 **Project Tropical Ecosystems; ~52 total advisees** 3-8 credit hrs
Guest lecturer: Economics of Sustainable Development (R. Repetto), Forest Certification & Forest Governance (B. Cashore), International Environmental Policy and Governance (B. Cashore); Observing the Earth from Space (R. Smith), Ecosystem Goods and Services (M. Ashton & B. Gentry); Graduate Research Methods (X. Lee, M. Ashton), Advanced Silviculture (Ashton and Camp). Several undergraduate guest lecturers/yr.

University of Michigan: 1996-2001 – Semester System (3 credit hrs): Undergraduate & Graduate Students
 Joint Appointment, Biology (BIO) & School of Natural Resources & Environment (NRE) & cross-list Anthropology Course # =<500 open to undergraduates; 400-500 advanced undergrad & graduate students; U = university-wide
 1997-2001: NRE 120/NRE 270/ENV STU 290: **Our Common Future: Ecology, Economics and Ethics of ‘Sustainable Development’.** Developed a new interdisciplinary undergraduate course on the ecology, economics and ethics of sustainability. Course has been designated as an interdisciplinary core requirement for all SNRE undergraduates and elected as a core course in minor’s certificate programs: Environmental Studies, Science and Technology, Global Change, and Globalization minor. 4 credit hrs
 1997-2000: BIO 477/NRE 455/ANTHRO: **Laboratory in Field Ecology, Co-taught with Drs. John Vandermeer (Biology) & Ivette Perfecto (SNRE).** Intensive six–week field course (5 credit hrs) held at the U of M. Biological Station & E.S. George Reserve Field Site.
 1998-2001: U111: **Global Change I & II** University-wide interdisciplinary two semester core course. Led by Dr. Tim Killeen and co-taught by several faculty across departments. I presented 20% of spring semester lectures focusing on human dimensions of global change. Course won several awards including National Science Foundation & Packard Foundation.
 1997-2000: BIO 800/NRE 639/ANTHRO Graduate Seminar: **Tropical Ecological Sustainability/ Ecosystem Dynamics: Debates across Social-Natural Science.**
 1998 BIO 800-11 **Indicators of Sustainability in Temperate & Tropical Ecosystems.** An interdisciplinary graduate seminar course (Bio/SNRE/Anthropology) with 18 enrolled students at limit.
 1998 BIO 150 **Biodiversity Crisis: Island Biogeography in the Age of Extinctions.** Freshperson Seminar designed to stimulate interest and discussion in biodiversity, conservation biology and biogeography.
 1997 BIO 800-14/SNRE 639-069/ANTHRO: **Tropical Ecosystems: Global Resource & Management Issues.** An interdisciplinary graduate seminar course with potential guest speaker series supported by an OVPR award "Distinguished Faculty and Graduate Student Seminar Series Grant." Over 35 graduate students and several undergraduates from Biology, SNRE and Anthropology participated in the course.
 1996-2001 BIO 700/730990/995/NRE 600/701/800/990 **Indep. Study/Project Research - 79 total**
 Included several joint degree students from business, law and public health professional schools
 1997-2000 NRE 300/333 **Undergraduate Research - 6 total**
 1997-1998 BIO155/201 **Honor’s Biology**

Selected Indonesian Field Courses in Kalimantan (Borneo) 2001-2007

- Principal Instructor, *Land Use, Community Mapping & Livelihood Surveys in Kalimantan: Areas Converted or Planned Conversion to Oil Palm Plantations*. June 2007 Tanjungpura Univ. students, local NGOs & Park Management Staff with Yale students. West Kalimantan, Indonesia
- Principal Instructor, *Carbon and Biodiversity Assessments in Peat and Lowland Dipterocarp Forests* Jun-Jul, 2005 University of Tanjungpura students, West Kalimantan NGOs and Park Management Staff with Yale FES masters students. West Kalimantan, Indonesia
- Principal Organizer, *GPS, GIS and Field Mapping Training for West Kalimantan Agricultural Department*, July 2005 West Kalimantan, Indonesia
- Principal Organizer, *GPS, GIS and Field Mapping Training for West Kalimantan Forestry Department*, April 2005 West Kalimantan, Indonesia
- Principal Instructor, *Carbon Assessment in Bornean Tropical Forests*, Jun-Jul 2002. Three 10-day field courses in primary, logged production forests and oil palm plantations, Yale graduate students & local Indonesian university students, faculty & park management staffs. West/Central Kalimantan, Indonesia
- Principal Organizer, *Community Mapping and Social Survey Workshop* July 2002 For 15 local Indonesian NGOs, Dayak (indigenous) communities & Yale/Indonesian students with Dr. Jefferson Fox, (East-West Center) & Dr. Amity Doolittle (Yale), W. Kalimantan, Indonesia.
- Principal Instructor, *Social Surveys of Rural Livelihoods, Agroforestry and Hunting Practices in a Bornean Timber Concession*, Jul-Aug 2001 Yale, Michigan and local Indonesian university students and young faculty with Dayak (Indigenous) Villagers West /Central Kalimantan, Indonesia.

UNIVERSITY SERVICE

Stanford University 2009-present

- 2009 Interdisciplinary Graduate Program in Environmental Resources, Admissions Committee,
- 2009 Environmental Ventures Program, Review Committee, Woods Institute for the Environment
Tenure Review Committee, Anthropology & Woods Institute for the Environment
- 2009 Colloquium Organizer (Fall) Anthropology (With Jim Ferguson)
- 2009 Latin American Studies Council Member

Yale University 2001-2009

- 2001-2009 John H. Musser Director, Tropical Resources Institute
Responsibilities include: 1) fund raising – over \$5.8M raised 2001-06; 2) administrating an annual interdisciplinary small grants program (average 30 students per year from ~\$2M endowment); 3) annual student-led international conference and proceeding book; 4) annual publication of students research distributed to over 5,000 affiliates worldwide; and 5) hosting speaker series and small workshops including social science methods and grant proposal writing skills. TRI reaches ~45% of FES's ~370 graduate students annually.
- 2008-2009 President Levin's Dean's Search Committee for Forestry & Environmental Studies
- 2001-2008 World Fellows Program, Instructor and Reviewer
- 2002-2009 Executive Committee, Center for Southeast Asian Studies
- 2005-2009 Executive Council, Latin American and Iberian Studies
- 2004-2009 Poynter Journalist Fellowship Program, Advisory Board
- 2006-2009 Women's Faculty Forum, Yale University
- 2007-2009 Yale's Center for Earth Observation, Advisory Board
- 2001-2003 Organization for Tropical Studies, Yale University Representative
- 2001-2003 Fulbright Reviewer

School of Forestry & Environmental Studies

- 2001-2008 Ph.D. Admissions Committee
- 2001-2009 Yale College, Environmental Studies Major Committee
- 2001-2009 Visiting Scholars' Committee

2003-2009 Faculty Member, Yale's Institute Environmental Law and Policy
 2008-2009 Faculty Search Committee, Resource Economist
 2008-2009 Faculty Promotion Committee Chair, Environmental Anthropologist
 2008-2009 Faculty Promotion Committee, Energy in Developing Countries
 2006-2008 Faculty Senior Professor Search Committee, Sociologist – Environmental Justice US
 2007-2009 Faculty Development Committee, 10-yr hiring plan
 2007-2009 Faculty Curriculum Committee, "Land" concentration
 2006-2007 Faculty Search and Tenure Committee, Senior Forestry Policy and Political Science
 2006-2007 Faculty Promotion Committee Chair, Environmental Anthropologist
 2006-2007 Faculty Search Committee, Senior Faculty, Urban Ecologist
 2005-2006 "Professor in Practice", Promotion Committee, Tropical Agroecosystems
 2004-2005 Faculty Search Committee, Social Scientist (Interdisciplinary)
 2001-2002 Faculty Search Committee, Ecosystem Ecologist

University of Michigan 1996-2001

College and University

1997-2001 Governing Board, International Institute
 1997-2000 Fulbright Fellowship Review Committee
 2000-2001 Faculty Search Committee, Anthropology and SNRE, Ecological Anthropology
 1999-2000 Faculty Search Committee, Anthropology and SNRE, Ecological Anthropology
 1999-2001 Executive Board, South and Southeast Asian Studies
 2000-2001 UM President's Life Science Committee
 1997-2001 Faculty Advisor, Student Chapter Society for Conservation Biology
 1998-2001 Faculty Advisor, Student Chapter International Society Tropical Foresters
 1998-2001 University's Environmental Studies Committee
 1999-2000 Faculty Undergraduate Mentorship Program
 1999-2000 Interdisciplinary Environmental Studies, Speaker and University Committee
 1998-2000 Faculty Advisory Committee, Population & Environment Change,
 School of Public Health & various departments
 1998-2000 Society of American Forestry (SAF) National Accreditation Committee
 1998-2000 Organization for Tropical Studies (OTS), Campus Representative; OTS Faculty Board
 1997-2000 Climate Change Group
 1999-2000 SNRE Faculty Search Committee, Vertebrate Ecologist
 1999-2001 SNRE Strategic Planning Committee: Intellectual Agenda; Ecosystem Studies Committee
 1996-1998 SNRE/CRLT Faculty Participant: The Gilbert Whittaker Fund for the Improvement of Teaching:
 "Intellectual and curricular innovations in SNRE"
 1998 Interdisciplinary Faculty Advisory Committee, Population Environment Change & Security- Design
 of Symposium; Funded by USAID
 1998 Environmental Theme Semester, Member & Speaker in Series
 1997 SNRE Faculty Search Committee, T.D. Roosevelt Chair in Ecosystem Studies
 Co-organizer & speaker Ecosystem Studies symposium event

Department of Biology

2000 Faculty Search Committee, Population Biologist
 1996-1999 Helen Olson Brower Memorial Fellowship Review Committee
 1997-1999 Faculty Executive Committee Ecology, Evolution, Organismal Biology
 1998 Faculty Search Committee, Senior Evolutionary Biologist/Ecologist

