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Distinguished Professor and Rudy Professor Emeritus of Anthropology
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EDUCATION:

1968	B.A. with Honors, Spring Hill College, Spanish Literature
1969	M.A. in Latin American History, University of Florida Thesis: Rui Barbosa and the Abolition of Slavery in Brazil.
1969	Certificate in Latin American Studies, University of Florida, Gainesville
1970	Certificate in Economics, University of North Carolina, Chapel Hill
1972	Certificate in Ecology, University of Leiden, The Netherlands
1975	Certificate in Tropical Agriculture, University of Florida, Gainesville
1975	Ph.D. in Social Anthropology, University of Florida, Thesis: Pioneer Farmers of the Transamazon Highway: Adaptation and Agricultural Production in the Lowland Tropics

ADMINISTRATIVE EXPERIENCE:

1977-78	Director, Graduate Studies, Department of Anthropology, Indiana University
1978-79	Co-Chair, Bloomington Faculty Council Affirmative Action Committee, Indiana University
1980-81	Acting Chair, Department of Anthropology, Indiana University
1981-87	Chairman, Department of Anthropology, Indiana University. Elected to two terms.
1996-09	Co-Director, CIPEC, Center for the Study of Institutions, Population and Environmental Change, Indiana University
1992-12	Director, ACT, Anthropological Center for Training and Research on Global Environmental Change, Indiana University

ELECTED OFFICES HELD:

1980-82	Bloomington Faculty Council, Indiana University
1984-86	Coordinator, Anthropological Study Group on Agrarian Systems
1981-83; 87-89	Steering Committee, Anthropological Study Group on Agrarian Systems
1986-88	Bloomington Faculty Council, Indiana University
1987-90	Amer. Assoc. Advanc. of Science, Section H (Anthropology), Nominations Committee
1990-93	Executive Board, Central States Anthropological Society
1990-91	President, Society for Economic Anthropology
1995-98	Delegate to the Governing Council of the American Association for the Advancement of Science representing section H (Anthropology)
1996-98	Committee on Council Affairs, American Association for the Advancement of Science
1995-97	President, Anthropology and Environment Section, American Anthropological Association
2003-05	Chair-elect and Chair, Section H (Anthropology), Am. Assoc. for the Advancement of Science

APPOINTED OFFICES:

1987-88	Cultural Anthropology Panel, National Science Foundation
1988-96	Board of Directors, Human Relations Area Files, Inc.
1988	Chair, Nominations Committee, General Division, American Anthropological Association
1988-90	Chair, Panel on Development and Its Difficulties in Pre-Industrial and Industrializing Societies, American Anthropological Association
1990	Conservation and Restoration Biology Advisory Panel, National Science Foundation
1991-95	Chair, Task Force on Anthropology and the Environment, American Anthropological Association
1993-99	Advisory Council for the Committee for the National Council for Science and the Environment
1994-96	President's Council on Sustainable Development, Task Force on Sustainable Communities
1994-00	Advisory Board, Institute for Advanced Study, Indiana University
1995-98	Executive Secretary (1995-98) Commission on Human Dimensions of Global Environmental Change, IUAES
1996-02	National Research Council, Committee on the Human Dimensions of Global Change
1999-03	Scientific Steering Committee, Large Scale Biosphere Atmosphere Experiment in Amazônia
2000-03	Scientific Steering Committee, U.S. Carbon Cycle Program Science Plan
1999-05	Scientific Steering Committee, Land Use/Cover Change (LUCC) Programme
1999-08	Member of the Board, National Museum of Natural History, Smithsonian Institution.
2000-04	External Advisory Board, Center for Spatially Integrated Social Science, Univ. of California at Santa Barbara
2000-2002-05	International Advisory Board, IUSSP/IHDP Population and Environment Research Network
2003-04	Co-chair, IGBP Phase II, Global Land Project Transition Team
2003	Panel on New Research on Population and the Environment, National Research Council Committee of Visitors, National Science Foundation, Evaluation of Social and Behavioral Sciences Programs
2003-07	Review Panel Member, Study Section on Population, National Institutes of Health
2004-07	National Research Council, Committee on Geographical and Spatial Sciences
2010-16	National Research Council, Committee for Behavioral and Social Sciences and Education (DBASSE)
2011	Review Panel Member, NIH, Special Panel for Population and Social Sciences
2014	Chair, Review Panel, NIH, Special Panel on P01
2010-15	National Science Foundation, Advisory Committee Social, Behavioral and Economic Sciences Directorate (SBE) Chair 2014-2015
2016-17	Panel on Climate Variability and Change of the Decadal Survey for Earth Science and Applications from Space. U.S. National Academy of Sciences.
2016-22	National Science Board of the National Science Foundation. White House appointment.

EDITORIAL BOARDS:

1986-97	<i>Journal of Forest and Conservation History</i>
1989-02	University of Michigan Press, Editor for <i>Linking Levels of Analysis</i> Book Series
1991-97	<i>Journal of Human Ecology</i> (Madrid, Spain)
1993-96	<i>Encyclopedia of Cultural Anthropology</i>
1993-96	<i>Indiana Journal of Global Legal Studies</i>
1990-98	<i>Latin American Studies</i> , An International Journal (Japan)
1994-	<i>Human Ecology</i> , An Interdisciplinary Journal (Plenum, USA)
1995-	<i>Studies in Environmental Anthropology and Ethnobiology</i> (Berghahn, UK)
1996-05	<i>Land Degradation and Development</i> , Regional Editor for the Americas (Wiley, UK)
2000-	<i>Journal of Ecological Anthropology</i> (Florida International University)

2010- Editor for *Human-Environment Interactions* Book Series (Springer)
 2003- *Human Dimensions Review*
 2003-15 *Population and Environment* (Kluwer)
 2004-10 *Global Environmental Change: Human and Policy Dimensions* (Elsevier)
 2005-11 *Human Organization* (Society for Applied Anthropology)
 2005-16 *Journal of Land Use Science* (Taylor and Francis, UK)
 2008- *Ecological and Environmental Anthropology* (on-line publication)
 2015-18 *Current Opinion in Environmental Sustainability* (Elsevier)
 2012-20 *Proceedings of the National Academy of Sciences (PNAS)*
 2022-24 *Proceedings of the National Academy of Sciences Nexus* (PNAS Nexus)

TEACHING/RESEARCH APPOINTMENTS:

1975-79 Assistant Professor, Indiana University, Department of Anthropology
 1979-84 Associate Professor, Indiana University, Department of Anthropology
 1984 Visiting Professor, North Carolina State University, Department of Soil Science
 1984-96 Professor, Indiana University, Department of Anthropology
 1984- 2012 Professor, School of Public and Environmental Affairs, Indiana Univ.
 1997 Professor, University of Arizona, Department of Anthropology
 1996-2012 James H. Rudy Professor of Anthropology, Indiana University
 2000-2012 Adjunct Professor, Dept. of Geography, Indiana University
 2007-2012 Distinguished Professor of Anthropology, Indiana University
 2013- John A. Hannah Distinguished Professor, Michigan State University

COURSES TAUGHT:

Peoples of Brazil	Culture and Society	Theory in Social Anthropology
Ethnographic Research Methods	Applied Anthropology	African Agricultural Systems
Seminar on the Amazon	Agricultural Ecosystems	Ecological Anthropology
Seminar on Cultural Ecology	South American Indians	Contemporary Brazil Seminar
Native Amazonians and the Environment		Global Environmental Change
The Amazon in Crisis: Ecology and Development		Human Dimensions of Global Change
Africans' Vulnerability to Environmental Change		Anthropology and Rural Development

HONORS AND LISTINGS:

Phi Beta Kappa; Sigma Xi; Sigma Delta Pi; Phi Alpha Theta; Woodrow Wilson Honorable Mention; Who's Who in the Midwest, 21st edition; Men and Women of Science; Who's Who in Science and Engineering, 2016-17; Contemporary Authors; Who's Who in the Frontiers of Science and Technology, 2nd and 3rd edition; Who's Who in the World, Millennium edition (2001); Who's Who in America, 66th edition (2012); Leading Scientists of the World (2007)

1985- Elected Fellow, American Association for the Advancement of Science
 1989-90 John Simon Guggenheim Memorial Foundation Fellowship
 1989-90 Fellow, Institute for Advanced Study, Indiana University
 1996- James H. Rudy Professor of Anthropology, distinguished rank professorship
 1999 2nd Place, Best Scientific Paper, ERDAS 2000, from the Amer. Soc. For Photogrammetry & Remote Sensing
 1999- Fellow, Linnean Society of London
 2002 Robert McC. Netting Award, Association of American Geographers
 2007 Distinguished Professor of Anthropology
 2010 **Elected to the National Academy of Sciences**
 2011 Awarded an Honorary Doctorate by Michigan State University

2016 Appointed by the White House to National Science Board for a six-year term
 2024 Distinguished Partnership Award for International Community-Engaged Scholarship (MSU)

CONSULTING EXPERIENCE:

1978 General Research Corp/Flow General. Agricultural Sector Assessment, Cape Verde Islands
 1979 IVIC/Caracas. Design Research Program on Human Ecological Assessment in the Rio Negro, Venezuela
 1980 Pan-American Health Organization/WHO. Design and teach human ecological assessment techniques to Costa Rican planners. Two visits
 1982 Food Crop Research and Extension, Cape Verde Islands, West Africa. Ronco Consulting Corporation/AID
 1987 Evaluation Panel, Center for the Analysis of World Food Issues, Cornell University
 1993 EPAT/MUCIA, Institutional Mechanisms for Implementing Environmental Protection

CURRENT RESEARCH AND GRANT SUPPORT:

2024-27 NSF-NFRE: Indigenous-led actions and solutions for food-water-energy sustainability. National Science Foundation #2425974. (PI) \$651,000

2022-24 Energy Convergence for Off-Grid Amazonian Communities. PI: Emilio F. Moran. Co-PIs: Maria Claudia Lopez, Rachel Mourao, Judith Walgren, and Norbert H. Mueller. June 1, 2022, through Sept. 31, 2024. Environmental Program, Charles Stewart Mott Foundation. \$ 400,000.

2024-26 Renewal of Energy Convergence for Off-Grid Amazonian Communities. PI: Emilio F. Moran; Co-PI Maria Claudia Lopez. Oct. 1, 2024 to Sept. 31, 2026. Environmental Program, Charles Stewart Mott Foundation. \$200,000

2020-26 GCR: Convergence for Innovative Energy Solutions: Empowering Off-grid Communities with Sustainable Energy Technologies. National Science Foundation #2020790. (PI) \$1,137,493

2019-24 CNH2-L Uncovering Metacoupled Socio-environmental Systems. National Science Foundation #1924111 (Co-PI) \$1,599,495

2020-25 Sao Paulo Excellence Chairs (SPEC): After Hydropower dams: social and environmental processes that occur after the construction of Belo Monte, Jirau, and Santo Antonio in Brazilian Amazonia. Fundacao de Amparo a Pesquisa do Estado de Sao Paulo (FAPESP). Processo #19/17113-9 (PI) R\$1,202,298 plus USD\$61,200.

PAST FELLOWSHIPS AND RESEARCH GRANTS:

1968, 71, 72 NDEA Title VI Fellowship (Portuguese)
 1970 R.J. Reynolds Fellowship in Economics
 1972, 74 NIMH Grant, MH# 22581-01; MH#58493-01
 1973, 76, 89 Fulbright-Hays Fellowships to Brazil
 1973-74 Social Science Research Council Fellowship
 1984 Tinker Foundation Post-Doctoral Fellowship
 1989 Wenner-Gren Foundation Research Grant
 1989 J.S. Guggenheim Memorial Foundation Fellowship
 1991 NSF Anthropology Program Senior Scholars' Training Grant on Remote Sensing #9104305
 1991-93 NSF Geography and Regional Science and Human Dimensions of Global Environmental Change Program Grant (SES #9100526); NIGEC Grants (2) (PI)
 1994-97 NSF Cultural Anthropology Program, (SBR# 9420727 and #9696231) (PI)

- 1993-98 NSF Geography and Regional Science, Cultural Anthropology & Human Dimensions of Global Environmental Change Program (#9310049 and #9896014) (PI)
- 1995-98 Tinker Foundation Training Grant on Environmental Monitoring in Latin America (PI)
- 1998-03 Human and Physical Dimensions of Land Use/Cover Change in Amazônia: Forest Regeneration and Landscape Structure. NASA LBA-ECO Project (#N005-334) (PI)
- 1999-03 Collaborative Research: International Human Dimensions of Global Change Programme (IHDP) Research Activities (LUCC Focus 1 - Land Use Dynamics) NSF (#BCS-9912440)
- 2002-04 An Opportunity to Study Unpredictable Events of Catastrophic Proportions in Temperate Forest Ecosystems. NSF-SGER grant (BCS#0227608) (PI)
- 2000-04 Human Strategies for Coping with ENSO and the Growing Flammability of Forests in Amazônia. NOAA Global Change Program (#NA06GP0344) (PI)
- 2000-05 Biocomplexity Incubation Activity: Integration of Spatial, Ecological and Environmental Social Science Methods for Study of Biodiversity and Biocomplexity, NSF Biocomplexity program, (BCS#0083546) (PI)
- 1996-06 Center for the Study of Institutions, Population and Environmental Change. NSF-funded Center on Human Dimensions of Global Change (SBR #9521918 and #9906826) (PI)
Center grant totaled \$11.7 million
- 2003-06 Human and Physical Dimensions of Land Use/Cover Change in Amazonia: Towards a Multiscale Synthesis. NASA LBA-ECO Project (#NCC5-695) (PI)
- 2006-09 Human and Physical Dimensions of Land Use/Cover Change in Amazonia: Towards Sustainability. NASA LBA Project (#NNG06GD86A) (PI)
- 2007-10 Dynamics of Reforestation in Coupled Social-Ecological Systems: Modeling Land-Use Decision Making and Policy Impacts, NSF/HSD (#BSC-0624178) (Co-PI)
- 2009-12 Advancing Land Use and Land Cover Analysis by Integrating Optical and Polarimetric Radar Platforms, NSF (#BCS-0850615) (PI)
- 1997-14 Amazonian Deforestation and the Structure of Households. National Institute of Child Health and Human Development, NIH (#HD35811-08), 3 phases (PI) \$7 million
- 2012-16 Social Observatories Coordinating Network. National Science Foundation (Co-PI) \$300,000
- 2015-18 CNH: Complex Dynamics of Telecoupled Human and Natural Systems. National Science Foundation #1518518 (co-PI) \$1,789,014
- 2013-18 Social and environmental impacts of the construction of the Belo Monte Hydroelectric Dam, Brazilian Amazon. FAPESP, processo 2012/51465-0 (PI) \$750,000
- 2015-21 Belmont Forum: Land Use and Food Security: the Telecoupling Challenge. U.S. portion funded by National Science Foundation #1531086 (PI) \$589,927 (total \$2 million euro)
- 2020-22 National Socio-environmental Synthesis Center (SESYNC) funding for Pursuit Workshops “Socio-environmental Impacts of Large Hydropower Dams Across the Global South” with support of the National Science Foundation DBI-1639145
- 2017-22 INFEWS/T3-- Rethinking Dams: Innovative Hydropower Solutions to Achieve Sustainable Food and Energy Production and Sustainable Communities. National Science Foundation #1639115 (PI) \$2,618,489

LANGUAGES:

Fluency: Portuguese, Spanish and English

Read: Portuguese, Spanish, French, English

PROFESSIONAL MEMBERSHIPS:

American Association for the Advancement of Science (Fellow)

Linnean Society of London (Fellow)

American Anthropological Association (Fellow)

Society for Applied Anthropology (Fellow)

National Academy of Sciences

Sigma Xi

Association of American Geographers

American Society for Photogrammetry

Latin American Studies Association

PUBLICATIONS:

Books and Monographs (12)

- 2022 *Human Adaptability: An Introduction to Ecological Anthropology*. 4th Edition. U.K: Routledge
- 2016 *People and Nature: An Introduction to Human Ecological Relations. Second edition*. Wiley-Blackwell Publishers: United Kingdom.
- 2010 *Environmental Social Science: Human-Environment Interactions and Sustainability*. Oxford, UK: Wiley-Blackwell Publishers.
Portuguese Edition: *Meio Ambiente e Ciencias Sociais*. Sao Paulo: Editora SENAC, and Editora da Universidade de Sao Paulo, 2011
- 2010 *Meio Ambiente e Florestas*. Sao Paulo: Editora SENAC
- 2007 *Human Adaptability: An Introduction to Ecological Anthropology*, 3rd edition. Boulder: Westview Press.
Portuguese 3rd edition: *Adaptabilidade Humana*, Editôra da Universidade de São Paulo, 2010.
- 2006 *People and Nature: An Introduction to Human Ecological Relations*. Blackwell Publishers: United Kingdom.
Portuguese edition: *Nós e a Natureza*, Editôra SENAC, São Paulo, Brazil, 2008.
- 2000 *Human Adaptability: An Introduction to Ecological Anthropology*. 2nd edition. Boulder: Westview Press.
- 1993 *Through Amazonian Eyes: The Human Ecology of Amazonian Populations*. Iowa City: University of Iowa Press.
Spanish edition: 1993, Fondo de Cultura Económica, Mexico City, 1993.
Portuguese edition: Editôra Vozes, Petrópolis, Rio de Janeiro, Brazil, 1990.
- 1981 *Developing the Amazon*. Bloomington: Indiana University Press.
- 1979 *Human Adaptability: An Introduction to Ecological Anthropology*. N. Scituate: Duxbury Press.
Reissued in 1982 by Westview Press.
Portuguese revised edition, 1994, Editôra da Universidade de São Paulo.
- 1976 *Agricultural Development in the Transamazon Highway*. Bloomington: Indiana University Latin American Studies Center.
- 1973 *Rui e a Abolição*. Rio de Janeiro: Ministerio da Educação e Cultura.

Edited Volumes (16)

- 2020 Special Issue: New Development Challenges in the Amazon Region. *Civitas* (co-editors E. Moran and M. Grisotti)
- 2019 Special Issue: Hydropower and Sustainability in the Anthropocene. *Current Opinion in Environmental Sustainability*. 37:A1-A6 . Doi 10.1016/J.cosust 2019.06.003 (co-editors E. Moran and S. Athayde)

- 2017 *The New Big Science: Linking Data to Understand People in Context*. Special Issue of AAPSS (Annals of the American Academy of Political and Social Science). Volume 669. (co-editors E. Moran and S. Hofferth)
- 2013 *Human-Environment Interactions: Current and Future Directions*. Dordrecht: Springer (co-editors E. Moran and E. Brondizio)
- 2008 *Geoinformática e Monitoramento Ambiental na America Latina*. São Paulo: Editôra SENAC. (co-editors E. Moran and M. Batistella)
- 2008 *Amazônia: Natureza e Sociedade em Transformação*. São Paulo: Editôra da Universidade de São Paulo (EDUSP). (co-editors E. Moran, M. Batistella and D. Alves)
- 2005 *Seeing the Forest and the Trees: Human Environment Interactions in Forest Ecosystems*. Cambridge, MA: MIT Press. (co-editors E. Moran and E. Ostrom)
Portuguese Edition: *Ecosistemas Florestais: Interação Homem-Ambiente*, Editôra da Universidade de São Paulo and Editôra SENAC, São Paulo, Brazil, 2009.
- 2004 *Land Change Science: Observing, Monitoring and Understanding Trajectories of Change on the Earth's Surface*. Dordrecht, the Netherlands: Kluwer. (co-editors E. Moran, G. Gutman, A.C. Janetos, C.O. Justice, J.F. Mustard, R.R. Rindfuss, D. Skole, B.L. Turner II and M.A. Cochrane)
- 2001 *Meeting in the Middle: The Challenge of Meso-Level Integration*. LUCC Report Series No. 5. Focus 1 Office, LUCC. (co-editors E. Moran and W. McConnell)
- 1998 *People and Pixels: Linking Remote Sensing and Social Science*. Washington, DC: National Academy Press. (co-editors E. Moran, D. Liverman, R. Rindfuss and P. Stern)
- 1996 *Transforming Societies, Transforming Anthropology*. Ann Arbor: University of Michigan Press.
- 1995 *The Comparative Analysis of Human Societies: Toward Common Standards for Data Collection and Reporting*. Boulder, CO: L. Rienner Publishers.
- 1990 *The Ecosystem Approach in Anthropology: From Concept to Practice*. Ann Arbor: University of Michigan Press.
- 1984a *The Ecosystem Concept in Anthropology*. Washington, DC: American Association for the Advancement of Science. Selected Symposium No. 92.
- 1984b *Human Ecology in the Amazon*, Special Issue of *Interciencia*. Pergamon Press. 9(6):341-424. (co-editor E. Moran and R. Herrera)
- 1983 *The Dilemma of Amazonian Development*. Boulder, CO: Westview Press.
- 1979a *Changing Agricultural Systems in Latin America*. Publication Number 7 from Studies in Third World Societies. College of William and Mary.
- 1979b *Changing Agricultural Systems in Africa*. Publication Number 8 from Studies in Third World Societies. College of William and Mary.

Government Publications

- 1978 Cape Verde: Assessment of the Agricultural Sector. Washington, DC: General Research Corporation. 258 pp. (E. Moran, P. Freeman, V. Green, R. Hickok, and M. Whitaker)

Published Articles and Chapters

2024

262. Towards energy justice and energy sovereignty: participatory co-design of off-grid systems in the Brazilian Amazon. *Energy Research & Social Science* in press

(R. Lembi, M.C.Lopez, K. Ninni, I.C. Johansen, L.J. Santana da Silva, M.R. Pimentel Santos, G.S. Neuls, G. Y. Campos Lacerda, E. F. Moran)

261. Multidimensional and multitemporal energy injustices: Exploring the downstream impacts of the Belo Monte hydropower dam in the Amazon. *Energy Research and Social Science*. Volume 113, Doi 10.1016/j.erss.2024.103568

(L. Castro Diaz, M.C. Lopez, S. Moore, L. Radonic, J. Hodbod, E. Moran)

260. Two Decades of clear-cutting threats in the Brazilian Amazonian Protected Areas around the Jirau, Santo Antonio and Belo Monte Large Dams. *Journal of Environmental Management*.

Vol. 359 Doi.org/10.1016/j.envman.2024.1200864

(S.S. Mandai, E.A. Branco, E.M. Moretto, J. Dantas, G.P. Alves, R. Utsunomiya, G. F. B. Arcoverde, C. Assahira, C. Arantes, G. Lobo, M.F. Calvi, C.R. da Costa Doria, I. C. Johansen, G. Carreiro, P.H. Bonavigo, M.L. Ferronato, V. C. Souza Reis, E.F.Moran)

259. Spatial Injustice to Energy Access in the Shadow of Hydropower in Brazil. *World Development*.

Doi.org. 10.1016/j.worlddev.2024.106570 (M. A. Garcia; A. Mayer; I. C. Johansen; M. C. Lopez; E. F Moran)

258. Up close, it gets worse: comparison of hydropower perceptions between impacted populations in the Amazon and those of the Brazilian population as a whole. *Energy Research and Social Science* 110.

Doi.org/10.1016/j.erss.2024.103455 (I.C. Johansen, A. P. Mayer and E.F. Moran)

257. Poverty-food Insecurity Nexus in the Post-Construction Context of a Large Hydropower Dam in the Brazilian Amazon. *International Journal of Environmental Research and Public Health* 21, 155

doi.org/10.3390/ijerph21020155 (I.C. Johansen, M. F. Calvi, V.G.Luz, A. M. Segall-Correa, C.C. Arantes, V. J. Isaac, R. Utsunomiya, V. C. e Souza Reis, and E.F. Moran)

2023

256. Amazon Health: An International Priority. *International Health Trends and Perspectives*. 3(3), i-iii (I.C. Johansen and E.F. Moran)

255. Slow down of deforestation following a Brazilian forest policy was less effective on private lands than in all conservation áreas. *Communications Earth and Environment* 4 (1)

(da Silva, R.F., D.V. de Castro, F. Nossack, F. Avila, A. Vina, J. Millington, S. A. Vieira, M. Batistella, E. Moran, and J. Liu)

254. Why we should not build more large hydropower dams in the Amazon (or anywhere else). *La Revista*. Boletín No. 82. Sociedad Suiza de Americanistas. PP. 64-73

253. Balancing Food Production with climate change mitigation and biodiversity conservation in the Brazilian Amazon. *Science of the Total Environment* 904. Doi.org/10.1016/j.scitotenv.2023.166681

(R. B. da Silva, J. Millington, A. Vina, Y. Dou, E. Moran, M. Batistella, D. Lapola, and J. Liu)

252. Mapping Crop Producer Perceptions: the role of global drivers on local agricultural land use in Brazil. *Land Use Policy*. Vol. 133 Doi.org/10.1016/landusepol.2023/106682
(Y. Dou, R. F. Bicudo da Silva, M. Batistella, S. Torres, E. F. Moran, J. Liu)
251. Large hydropower projects increase stress despite compensation efforts: evidence from the Brazilian Amazon. *PLoS ONE* 18(7): eo284760. Doi.org/10.1371/journal.pone.0284760
(A. Mayer, I.C. Johansen, M.C.Lopez, M. Paes de Souza, E.F.Moran)
250. Complex relationships between soybean trade destination and tropical deforestation. *Scientific Reports* (Springer Nature). Vol. 13:11254 Doi.org/10.1038/s41598-023-38405-1
(R. F. Bicudo da Silva, E. F. Moran, J. D.A. Millington, A. Vina, and J. Liu)
249. Towards a forest transition across the Brazilian Atlantic Forest biome. *Frontiers in Forests and Global Change* 6:1071495. Doi:10.3389/ffgc.2023.10711495
(R.F. Bicudo da Silva, Emilio Moran, Andres Vina, James Millington, Yue Dou, Simone Vieira, Maria Claudia Lopez, and Jianguo Liu)
248. The impact of hydropower dam construction on malária incidence: Space-time analysis in the Brazilian Amazon. *PLOS Global Public Health*. 3(3):e0001683. Doi.org/10.1371/journal.pgph.0001683
(Igor C. Johansen, Emilio F. Moran, and Marcelo U. Ferreira)
247. Large-scale hydropower impacts and adaptation strategies of rural communities in the Amazonian floodplain of the Madeira River. *Journal of Environmental Management*. 336. Doi.org/10.1016/j.jenvman.2023.117240
(Caroline C. Arantes, Juliana Laufer, Adam Mayer, Emilio F. Moran, Igor Sant`Anna Alves, Jynessa Dutka-Gianelli, Maria Claudia Lopez, Carolina R. C. Doria)

2022

246. Uncompensated Losses and Damaged Livelihoods: Restorative and Distributional Injustices in Brazilian Hydropower. *Energy Policy* Volume 167, August 2022, 113048 (A. Mayer, M.C. Lopez, and E. F. Moran)
245. Advancing Convergence Research: Renewable Energy Solutions for Off-Grid Communities. *Proceedings of the National Academy of Sciences of the United States (PNAS)*. Vol. 119 No. 49. doi.org/10.1073/pnas.2207754119
(E. Moran, M.C. Lopez, R. Mourao, E. Brown, A. McCright, J. Walgren, A.P. Bortoleto, A. Mayer, Igor Cavallini Johansen, K. Nini, L. Castro-Diaz, M.A. Garcia, R. Lembi, N. Mueller)
244. Safe passage for fish: the case for in-stream turbines. *Renewable and Sustainable Energy Reviews*. Vol. 173. Doi.org/10.1016/j.rser.2022.113034
(E. Brown, N. Mueller, R. Quispe-Abad, E.F. Moran)
243. Feasibility of Hybrid in-stream generator-photovoltaic systems for Amazonian off-grid communities. *PNAS Nexus*. Published June 9, 2022. Doi.org/10.1093/pnasnexus/pga077
(E. Brown, I.C. Johansen, A.P. Bortoleto, Y. Pokhrel, S. Chaudhari, A. Cak, S. Sulaeman, L. Castro-Diaz, M.C. Lopez, A. Mayer, J. Walgren, N. Mueller, and E. Moran)
242. Pretend Participation: Procedural Injustices in the Madeira Hydroelectric Complex. *Global Environmental Change*. Vol. 75. Doi.org/10.1016/j.gloenvcha.2022.102524
(A. Mayer, M.A. Garcia, L. Castro-Diaz, M.C. Lopez, E.F.Moran)
241. Recently constructed hydropower dams were associated with reduced economic production, population, and greenness in nearby areas. *Proceedings of the National Academy of Sciences of the United States (PNAS)*. 119 (8): Doi.org/10.1073/pnas.2108038119

(P. Fan, M. S. Cho, Z. Lin, Z. Ouyang, J. Qi, J. Chen, and E. F. Moran)

240. Changes in Social Capital Associated with the Construction of the Belo Monte Dam: Comparing a Resettled and a Host Community. *Human Organization* 81 (1): 22-34 DOI: 0018-7259/22/010022-13
(Mayer, A., M. Lopez, G. Leturcq, and E. F. Moran)

2021

239. Hydropower, Social Capital, Community Impacts and Self-rated Health in the Amazon. *Rural Sociology*. DOI:10.1111/ruso.12419
(Mayer, A., M. Lopez, I. Cavallini Johansen, E.F. Moran)

238. Functional Responses of Fisheries to Hydropower Dams in the Amazonian Floodplain of the Maderia River. *Journal of Applied Ecology*. DOI:10.1111/1365-2664.14082
(C. Arantes, J. Laufer, M. Pinto, E. Moran, M. Lopez, J. Dutka-Gianelli, D. Pinto, S. Chaudhari, Y. Pokhrel, and C. Doria)

237. Is hydropower worth it? Exploring Amazonian resettlement, human development and environmental costs with the Belo Monte project in Brazil. *Energy Research and Social Science* 78:1021-1029.
Doi.org/10.1016/j.erss.2021.102129
(A. Mayer, L. Castro-Diaz, M.C. Lopez, G. Leturcq, E.F. Moran)

236. In-stream turbines for rethinking hydropower development in the Amazon basin. *Nature Sustainability*.
Doi.org/10.1038/s41893-021-00712-8
(S. Chaudhari, E. Brown, R. Quispe-Abad, E. Moran, N. Muller, and Y. Pokhrel)

2020

235. Evolution and Effects of the Socio-ecological System over a Millenium in China's Loess Plateau. *Science Advances* 6 eabc0276 doi: 10.1126/sciadv.abc0276
(X. Wu, Y. Wei, B. Fu, S. Wang, Y. Zhao, and E. F. Moran)

234. Modeling forest aboveground carbon density in the Brazilian Amazon with integration of MODIS and airborne Lidar data. *Remote Sensing* 12,3330, doi 10.3390/rs12203330
(Xiandie Jiang, Guiying Li, Dengsheng Lu, Emilio Moran, Mateus Batistella)

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16. Human Adaptation to Arctic Zones. *Annual Review of Anthropology* 10:1-25.

1980

15. Mobility and Resource Use in Amazônia. In *Land, People, and Planning in Contemporary Amazônia*. F. Scazzocchio, ed. Cambridge, UK: University of Cambridge Latin American Studies Centre Publications. Pp. 46-57.

1979

14. Criteria for Choosing Successful Homesteaders in Brazil. *Research in Economic Anthropology* 2:339-359.

13. The Transamazonica: Coping with a New Environment. *Brazil: Anthropological Perspectives*. M. Margolis and W. Carter, eds. New York, NY: Columbia University Press. Pp. 133-159.

12. An Introduction to African Agriculture. In *Studies in Third World Societies* 8, pp. v-ix and 1-13.

11. Introduction and Strategies for Survival: Resource Use along the Transamazon Highway. In *Studies in Third World Societies* 7:1-5 and 49-75.

10. An Energetics View of Manioc Cultivation in the Amazon. In *Peasants, Primitives, and Proletariats*. D. Browman and R. Schwarz, eds. The Hague: Mouton. Pp. 111-123.

1978

9. O Surgimento de Classes Sociais numa Comunidade Planejada para ser Igualitaria. *Boletim do Museu Paraense Emilio Goeldi. Nova Serie: Antropologia* 69:1-38. (with M. Fleming-Moran).

1977

8. Estrategias de Sobrevivencia: O Uso de Recursos ao Longo da Rodovia Transamazonica. *Acta Amazonica* 7(3): 363-379.

7. Manioc Deserves more Recognition in Tropical Farming. *World Crops* (U.K.) 28(4):184-188.

6. Food, Development, and Man in the Tropics. In *Gastronomy: The Anthropology of Food and Food Habits*. M. Arnott, ed. The Hague: Mouton. Pp. 169-186.

1975

5. The Brazilian Colonization Experience in the Transamazon Highway. *Papers in Anthropology* 16(1):29-57.

1974

4. Some Semantic Categories in Brazilian Caboclo Folk Narratives. *Luso-Brazilian Review* 11(2):212-230.
3. The Adaptive System of the Amazonian Caboclo. In *Man in the Amazon*. C. Wagley, ed. Gainesville: University of Florida Press. Pp. 136-159.

1973

2. Transamazon: Long Road to a Nation's Riches. In *Modern Government*. (Nov.-Dec.). Pp. 30-38. Also published in Spanish as: La Transamazonica: Largo Camino a las Riquezas de la Nacion. *Servicios Publicos* (Nov.-Dec.). Pp. 28-35.
1. Energy Flow Analysis and Manihot esculenta Crantz. *Acta Amazonica* 3(3):29-39.

Film Scripts

- 1978 *Adapting to Old Age: The Strategies of Nursing Home Residents*. Content advisor. Produced by Indiana University/Instructional Systems Technology.
- 1977 *Approaching the Spirits*. Content advisor for film on an Afro-Brazilian cult of Rio de Janeiro, Brazil. Produced and filmed by Thomas Seamster.

Comments and Minor Publications

- 1998 Human Role in Global Change. *Anthropology Newsletter* 39(7):15-17.
- 1998 Remote Sensing as a Tool. *Anthropology Newsletter* 39(8):14.
- 1992 Response to Coomes. *American Anthropologist* 94(3):701-703.
- 1992 Anthropology and Remote Sensing. *Culture and Agriculture* 43:16-7.
- 1986 A Note on Weights, Measures, and Swiddens. *Culture and Agriculture* 29:7-8.
- 1982 Recent Advances in the Study of Amazonian Agroecosystems. *Culture and Agriculture* 17:1-8.
- 1981 Appropriate Training for Input to Agricultural Projects. *Practicing Anthropology* 3(4):11-12, 30-31.
- 1978 CA Comment on Systems Theory in Anthropology. *Current Anthropology*. 19(4):756.
- 1973 Brazil Moves to Integrate the Amazon. *Latin Americanist* 8(3):1-3.
- 1972 Francisco Pareja's 1613 Confessionario: A Documentary Source for Tymucuan Ethnography. Tallahassee: Div. of Archives of the State of Florida. 121 pp. (with G. Milanich and W. Sturtevant)

Book Reviews

- 2008 *From Rainforests to Sugar Cane Field in Cuba: An Environmental History since 1492*, by R.F. Monzote. Translated by A. Martin. Chapel Hill: University of North Carolina Press. *American Historical Review* Dec. 2008, pp. 1586-1587.
- 2006 *Tropical Forests: Regional Paths of Destruction and Regeneration in the Late 20th Century*. T. Rudel. New York, NY: Columbia University Press. 2005. *Quarterly Review of Biology* 81(2):195-196.

- 1999 *Rainforest Cities: Urbanization, Development, and Globalization of the Brazilian Amazon*. J.O. Browder and B.J. Godfrey. New York, NY: Columbia University Press. 1997. 429 pp.; and *From Principles to Practice: Indigenous People and Biodiversity Conservation in Latin America*. A. Gray, A. Parellada, and H. Newing, eds. Copenhagen, Denmark: International Work Group for Indigenous Affairs. 1998. Book Review Essay: 'City and Countryside in an Environmental Context.' *American Anthropologist* 101(3):645.
- 1997 *Forests in International Environmental Politics: International Organizations, NGOs, and the Brazilian Amazon*. A. Kolk. Utrecht, the Netherlands: International Books. 1996. *International Environmental Affairs* 9(4):323-324.
- 1997 *Forests and Livelihoods: The Social Dynamics of Deforestation in Development Countries*. S.L. Barraclough and K.B. Ghimire. London, UK, and New York, NY: Macmillan and St. Martin's Press. 1995. *International Environmental Affairs* 9(4):323-324.
- 1997 *A Place Against Time: Land and Environment in the Papua New Guinea Highlands*. P. Sillitue. London, UK: Harwood. 1996. *American Anthropologist* 99(4):844-845.
- 1996 *The Cultural Dimension of Development: Indigenous Knowledge Systems*. D.M. Warren, L.J. Slikkerveer and D. Brokensha, eds. London, UK: Intermediate Technology Publications. 1995. *Human Ecology* 24(4):278-280.
- 1994 *Tropical Forests and Their Crops*. N. Smith, J.T. Williams, D. Plucknett, and J. Talbot. Ithaca, NY: Cornell University Press. 1992. *Forest and Conservation History* 38(3):147.
- 1994 *Human Impact on the Environment: Ancient Roots and Current Challenges*. J. Jacobsen and J. Firor, eds. Boulder, CO: Westview Press, 1992. *Population and Environment* 15(3):246.
- 1993 *The Subsidy from Nature: Palm Forests, Peasantry, and Development on an Amazon Frontier*. A. Anderson, P. May and M. Balick. New York, NY: Columbia University Press. 1991. *The Journal of Developing Areas* 28(1):116.
- 1991 *The Fate of the Forest*. S. Hecht and A. Cockburn. London, UK: Verso Press. 1989. *American Anthropologist* 93(1):210.
- 1990 *Public Policies and the Misuse of Forest Resources*. R. Repetto and M. Gillis, eds. New York, NY: Cambridge University Press and World Resources Institute. 1988. *Ecology* 71(2):832-833.
- 1990 *Government Policies and Deforestation in Brazil's Amazon Region*. D. Mahar. Washington, DC: World Bank. 1988. *Ecology* 71(1):409.
- 1989 *Rational Ecology: Environment and Political Economy*. J. Dryzek. Oxford, UK: Basil Blackwell. 1987. *Human Ecology* 17(1):117-119.
- 1989 *Where the Dove Calls: The Political Ecology of a Peasant Corporate Community on Northwestern Mexico*. T. Sheridan. Tucson, AZ: University of Arizona Press. *American Ethnologist* 16(3):596-597.
- 1988 *Human Ecology*. B. Campbell. New York, NY: Aldine. 1985. *American Ethnologist* 13(1):181.
- 1987 *Human Carrying Capacity of the Brazilian Rainforest*. P. Fearnside. New York, NY: Columbia University Press. *American Anthropologist* 89:767-8.
- 1986 *Underdeveloping the Amazon*. S. Bunker. Urbana, IL: University of Illinois Press. *Hispanic American Historical Review* 1986:624-626.

- 1982a *A House of My Own* by Susan Lobo. Tucson, AZ: University of Arizona Press. 1981. *International Migration Review* 16:684.
- 1982b *Los Aborígenes de Venezuela*. General Editor W. Coppens. Vol. 1 editor, A.B. Colson. Caracas: Fundacion La Salle de Ciencias Naturales. 1980. *American Anthropologist* 84(3):721.
- 1981a *Food, Energy and Society*. D. and C. Pimentel. New York, NY: Wiley/Halsted Press. 1979. *Human Ecology* 9(2):241-244.
- 1981b *The Frontier*. W. Savage and S. Thompson, eds. Vol. 2. Norman, OK: Oklahoma University Press. 1978. *American Anthropologist* 83(1):188-90.
- 1981c *The Land and People of Northeast Brazil*. M. Correia de Andrade. Albuquerque, NM: University of New Mexico Press. 1980. *Journal of Developing Areas* 15(4):98-99.
- 1980 *Extinction and Survival in Human Populations*. C. Laughlin and I. Brady, eds. New York, NY: Columbia University Press. 1978. *Ethnohistory* 28(3):280-281.
- 1979 *The African Religions of Brazil: Toward a Sociology of the Interpenetration of Civilizations*. R. Bastide. Baltimore, MD: Johns Hopkins University Press. 1978; and *Black Religions in the New World*. G.E. Simpson. New York: Columbia University Press. 1978. *American Historical Review* 84(4):1205-1207.
- 1978a *Victims of the Miracle: Development and the Indians of Brazil*. S. Davis. Cambridge, UK: Cambridge University Press. 1977. *Hispanic American Historical Review* 58(4):757-759.
- 1978b *Economy-Wide Models and Development Planning*. C.R. Blitzer, P.B. Clark, and L. Taylor, eds. New York, NY: Oxford University Press. 1975. *American Anthropologist* 80(1):134-135.
- 1978c *Human Ecology in the Tropics*. J.P. Garlick and R.W.J. Keay, eds. 2nd ed. London, UK: Taylor and Francis Ltd. 1977. *The Quarterly Review of Biology* 53(1):88-89.
- 1973 *Politics of Social Research*. R. Beals. Chicago, IL: Aldine. 1969. *American Anthropologist* 75(4):949-950.

OTHER PROFESSIONAL ACTIVITIES:

1975

Co-organizer and Chair, Symposium: "Achieving Social Change: The Workings of Social Stratification in Brazil." Annual meeting of the American Anthropological Association, San Francisco, CA. Dec. 2-6.

1976

Co-organizer and Chair, Symposium: "Changing Agricultural Systems in the Tropics." 75th annual meeting of the American Anthropological Association, Washington, DC. Nov. 15-19.

1977

Co-organizer and Discussant, Symposium: "Establishing Social Order in Multi-Ethnic and Immigrant Communities." Joint meeting of the African Studies Association and Latin American Studies Association. Houston, TX. Nov. 2-5.

1978

Co-chair, Local Arrangements Committee, Central States Anthropological Society annual meeting,

Bloomington, IN. Mar. 23-25.

1979

Organizer and Chair, Symposium: "Agriculture and Anthropology-An Applied Perspective." Annual meeting of the Central States Anthropological Society, Milwaukee, WI. Mar. 28-31.

Lecturer, International Conference on Amazonian Colonization in Seven Countries. Cambridge University, Cambridge, UK. Sept. 23-26.

1980

Chair, Local Arrangements Committee, meeting of the Latin American Studies Association, Bloomington, IN. Oct. 16-19.

Organizer and Chair, Symposium: "Rethinking Operational Assumptions in Human Ecological Research." Central States Anthropological Society annual meeting, Ann Arbor, MI. Apr. 9-12.

1981

Editor, *Process*, Alumni Newsletter, Department of Anthropology, Indiana University (through 1987).

1982

Organizer and Chair, Symposium: "The Ecosystem Concept in Anthropology." Annual meeting of the American Association for the Advancement of Science. Washington, DC. Jan. 3-8.

Chair, Panel: "Development Processes and Change in the Amazon Basin." 44th International Congress of Americanists, Manchester, England. Sept. 5-10.

Chair, Symposium: "Agrarian Change: Concepts and Consequences." 81st annual meeting of the American Anthropological Association, Washington, DC. Dec. 5.

Chair, Symposium: "Economic and Political Transformation in Latin America." American Anthropological Association annual meeting, Washington, DC. Dec. 7.

Elected member of Steering Committee, Anthropological Study Group on Agrarian Systems at annual meeting of American Anthropological Association.

1983

Organizer, "The Impact of Migration on Society and Culture." William H. Mathers Museum Dedication Conference, Bloomington. Apr. 22.

Member, Dedication Committee, William H. Mathers Museum, Indiana University.

1984

Co-organizer and Presider, Symposium: "Agricultural Policy- The Small Farm Sector and Agricultural Research: Approaches to the Integration of Socio-economic Studies in Experimental Agricultural Research." Annual meeting of the American Association for the Advancement of Science. New York, NY. May 24-29.

Elected Coordinator, Anthropological Study Group on Agrarian Systems at annual meeting of the Anthropological Association of America.

1985

Organizer and Chair, Symposium: "Social Production and Reproduction." Annual meeting of Society for Economic Anthropology, Washington, DC. April.

Invited Panel Participant, State-of-the-Discipline (Anthropology) at Latin American Studies Association at

Albuquerque, NM. Apr. 18-20.

Invited Participant, International Board for Soil Research and Management workshop on Management of Acid Tropical Soils for Improved Agricultural Production to Yurimaguas, Peru, and Manaus/Brasilia, Brazil. Apr. 23-May 3.

1986

Scientific Advisor, Tropical Soil Biology and Fertility Programme, International Union of Biological Sciences. Workshop to Develop Common Methods at All Research Sites, Yurimaguas, Peru. May 25-31.

Editorial Board Member, *Journal of Forest History*.

Advisory Panel Member, National Science Foundation for Cultural Anthropology (1986-88).

1988

Chair, Nominations Committee, General Division, American Anthropological Association.

Organizer, Symposium: "The Study of Agricultural Systems- Developing a Common Data Base and Measurement Standards." American Association for the Advancement of Science annual meeting. Boston, MA. Feb. 1988.

Organizer, Symposium: "Common Standards in Measurement of Agrarian Systems." XI International Union of Anthropological and Ethnological Sciences at Zagreb, Yugoslavia (present-day Croatia). July 1988.

Chair, Panel on "Social Transformation in Pre-Industrial and Industrializing Societies." American Anthropological Association. Phoenix, AZ. Nov. 11-16.

1989

Vice-President and President-Elect, Society for Economic Anthropology.

Editor, *Linking Levels of Analysis Book Series*, (University of Michigan Press) 1989-94.

Fellow, Institute for Advanced Study, Indiana University 1989-90.

Organizer and Chair, Panel: "Towards an Anthropology of Social Transformation." Annual meeting of the American Anthropological Association. Washington, DC. Nov. 15-19.

1990

President, Society for Economic Anthropology

Executive Board, Central States Anthropological Society, 1990-93.

Editorial Board Member, *Journal of Latin American Studies* (Japan).

1991

Chair, Task Force on Anthropology and the Environment, American Anthropological Association.

Editorial Board Member, *Journal of Human Ecology* (Madrid, Spain), 1991-1996.

1992

Director, Anthropological Center for Training and Research on Global Environmental Change (ACT), Indiana University, Bloomington.

Co-organizer, Workshop: "Crisis in Africa: Environment, Population, and Health." Jointly with the African Studies Program and the Population Institute for Research and Training, Indiana University, Bloomington, IN.

1993

Organizer, Lecture Series: Human Dimensions of Global Environmental Change. Indiana University, Bloomington, IN.

Editorial Advisory Board Member, *Encyclopedia of Cultural Anthropology* (Henry Holt Publishers).

Editorial Board Member, *Indiana Journal of Global Legal Studies*.

Editorial Board Member, *Human Ecology*, an Interdisciplinary Journal, Plenum Publishers.

1994

Member, Working Group on Sustainable Communities of President's Council on Sustainable Development.

Scientific Advisory Council Member, National Council for Science and the Environment.

Co-Chair of the Governing Board, Indiana University Institute for Advanced Study.

1995

Who's Who in Science and Engineering, 3rd edition.

Executive Secretary, Committee on Human Dimensions of Global Change, International Union of Anthropological and Ethnological Sciences.

Editorial Board Member, Book Series *Studies in Anthropology and the Environment* (Gordon and Breach, UK).

Editorial Board Member, *Journal of Political Ecology* (University of Arizona, USA).

Editorial Board Member, Representative for the Americas, *Land Degradation and Development* (Wiley, United Kingdom).

Organizer, Session: "Land Use Intensification in Amazônia." Annual meeting of the American Anthropological Association. Washington, DC. Nov. 11-15.

1996

Elected to Committee on Council Affairs, American Association for the Advancement of Science.

Elected President, Anthropology and Environment Section, American Anthropological Association.

Member, Committee on Human Dimensions of Global Change, National Academy of Sciences/National Research Council (three-year term).

Co-Director, Center for the Study of Institutions, Population and Environmental Change (CIPEC), Indiana University, Bloomington, IN.

1997

Member, User Working Group, Socioeconomic Data and Applications Center (SEDAC).

Regional Editor for the Americas, *Land Degradation and Development*, John Wiley, United Kingdom.

Chair, Board and Business meeting, as President of Anthropology and Environment Section, American Anthropological Association Annual meeting.

Evaluator, funded project at the MacArthur Foundation Program on Population, Consumption and the Environment. Mar. 6 and 7.

Presenter, National Science Foundation Directors' meeting on progress of CIPEC. Washington, DC. Apr. 18.
Host and chair, International conference: "Environmental Monitoring and Policy Making: Bringing Space Science Down to Earth." Sponsored by the Tinker Foundation. Miami, FL. April 24-27. A volume of the papers from this meeting is being prepared for publication.

1998

Presenter, Workshop with Baltimore Urban Long-Term Ecological Research Team. Baltimore, MD. Mar. 26-28.

Presenter, National Science Foundation Directors' meeting. Carnegie Mellon University, Pittsburgh, PA. Apr. 9-11.

Chair, Land Use Cover Change Science Group. NASA LBA-Ecology Science Team meeting. Baltimore, MD. Apr. 27-29.

1999

Leader, Focus 1-Land Use/Cover change Project (an International Geosphere Biosphere Programme and International Human Dimensions Program joint project). Indiana University, Bloomington, IN.

Member, Scientific Steering Committee, Land Use Cover Change Core Project (LUCC).

Fellow, Linnean Society of London.

Co-Chair, Symposium: "Using and Shaping the Land. Conference 99: Nature Society History--Long Term Dynamics of Social Metabolism." Vienna, Austria. Sept. 30-Oct. 2.

Board Member, National Museum of Natural History, Smithsonian Institution, Washington, DC.

Member, Scientific Steering Committee, Large Scale Biosphere-Atmosphere Experiment in Amazonia (LBA) Ecology Project.

2000

Organizer, Section on Human Dimensions of LBA's Land Use and Land Cover Change at the First LBA Scientific Conference. Belem, Para, Brazil. June 26-30.

Member, External Advisory Board, Center for Spatially Integrated Social Science, University of California at Santa Barbara.

Member, Committee on Human Dimensions of Global Change, National Academy of Sciences/National Research Council (2nd three-year term), Washington, DC.

Member, Scientific Advisory Committee, U.S. Carbon Cycle Science Program. Washington DC.

Member, International Advisory Board, IUSSP/IHDP Population and Environment Research Network.

Co-organizer, International Workshop: "Meeting in the Middle: The Challenge of Meso-Level Integration."

Ispira, Italy. Oct. 17-20.

2001

Co-chair, The LAND Project -- a scientific committee, overseeing the development of the Science Plan for the second decade of the International Geosphere-Biosphere Programme.

Who's Who in the World, Millennium Edition (18th)

Co-Organizer. Workshop: "Biocomplexity and Biodiversity in the Environment." Indiana University, Bloomington. Sept. 26-28.

2002

Who's Who in America, 55th Edition.

Member and Presenter, "Science Planning for the Terrestrial Human Environment System." Land Use Cover Change Scientific Steering Committee meeting. Brussels, Belgium. Apr. 11-14.

Co-Organizer, Workshop: "Ecosystem Responses to Unpredictable Events in Temperate Forests." Indiana University, Bloomington, IN. Apr. 19-20.

Organizer, Section: "Powerful GIS Tools to Advance Spatial and Temporal Analysis in Anthropological Research." American Anthropological Association annual meeting. New Orleans, LA. Nov. 20-24.

2003

Panelist, Population and Environment, National Research Council. Member, Land Transition Team. Ft. Collins, CO. Apr. 1-4.

Discussant, Session: "Population and Environment: New Approaches and Methodologies." Population Association of America. Minneapolis, MN. May 1-4.

Panelist, Center for Scientific Research Study Section on Social Sciences and Population Studies. National Institutes of Health.

Board Member, National Museum of Natural History, Smithsonian Institution, Washington, D.C. 2nd term.

Member, U.S. National Committee for the International Institute for Applied Systems Analysis (ILASA).

Land Open Science Conference: Global Change and the Terrestrial Human-Environment System, Morelia, Mexico. Dec. 2-5.

2004

Member, Virtual Collegium for Social Ecology. University of Klagenfurt. Vienna, Austria. Five years.

Workshop on Research on Population, Land Use, and Environment. National Academies. Irvine, CA. Jan. 14-16.

Chair-Elect, Section on Anthropology. American Association for the Advancement of Science. Seattle, WA. Feb. 12-16.

Scientific Committee of International Geosphere Biosphere Programme. Russian Academy of Sciences, Moscow. Mar. 2-5.

Organizer, Session entitled: "Land Use, Land Cover change, and Demographic Processes." 2004 Annual Meeting of the Population Association of America. Boston, MA. Apr. 1-3.

2005

Member, National Research Council/National Academy of Sciences, Geographical Sciences Committee.

Chair, Section on Anthropology, American Association for the Advancement of Science.

2006

Member, Development Committee, Board of the National Museum of Natural History, Smithsonian Institution.

Workshop on synthesis of Human Dimensions in LBA Science, Manaus, Brazil, June 10-14.

2007

Appointed as Distinguished Professor of Anthropology, Indiana University, March 2007.

Workshop on synthesis of Agriculture under LBA Science, Florianopolis, Brazil, April 22-24.

Workshop on synthesis of Human Dimensions in LBA Science, Belem, Brazil, May 29-30.

2008

Co-organizer of panel for International Human Dimensions of Global Change meeting, New Delhi, India, October 16-19

Chair, Admissions and Awards Committee, Department of Anthropology, Indiana University.

2010

Co-organizer, workshop. "Human-Environment Interactions." Indiana University, Bloomington, IN. Feb. 25-27.

Co-organizer, workshop "Exploring the Potential of Observatories in the Social Sciences", NSF-funded, Washington DC, Dec. 2010

Elected to the National Academy of Sciences of the United States of America

Joined editorial Board of the Proceedings of the National Academy of Sciences (PNAS)

Member of the Advisory Committee to the Social , Behavioral and Economic Sciences Directorate at the National Science Foundation

2011

Member of the DBASSE Committee, National Research Council, April 3-4

Workshop co-organizer, jointly with INPE, on the fusion of radar and optical data in advancing land use and land cover change classification. Sao Jose dos Campos, Sao Paulo, Brazil. May 30-31

Organizer of follow up workshop on the potential of observatories in the social sciences, NSF-funded, Washington DC Oct. 2011

Co-organizer of Workshop at Indiana University, on the fusion of radar and optical data in advancing land use and land cover change classification. Bloomington, IN, Indiana University, Oct. 7-8

Awarded an Honorary Doctorate by Michigan State University, Dec. 9

2012

Co-organizer of follow up workshops on the potential of observatories in the social sciences, part 3, NSF-funded,

Washington DC, Feb. 8-9 and May 15-16

Appointed John A. Hannah Distinguished Professor, Michigan State University, East Lansing, Michigan

2013

Developed a Memorandum of Understanding between Embrapa (national) and Michigan State University, and two specific activities linking Embrapa Satellite Monitoring with two MSU centers, CGCEO and CSIS.

2014

Renewed for an additional three years to the Editorial Board of the PNAS (2014-2016)

Chair of the Advisory Committee to the Social , Behavioral and Economic Sciences Directorate at the National Science Foundation until 2015

Member of the Advisory Science and Policy Committee at the Inter-American Institute for Global Change Research

2015

Chair, Advisory Committee to the Social, Behavioral and Economic Sciences Directorate at the National Science Foundation. Completion of term as Chair and member of the AC in Dec. 2015

Completed term as Member of the Advisory Committee on Science and Policy for the Inter-American Institute for Global Change Research.

Invited and accepted to join the Editorial Board of *Current Opinion in Environmental Sustainability* journal, for a three year term

2016

Appointed by the White House to the National Science Board of the National Science Foundation for a six year term (2016-2022).

2017

Co-director, North American Nodal Office of the Global Land Project.

2018

Developed a Memorandum of Understanding between Michigan State University and the Federal University of Rondonia (UNIR). Signed March 19, 2018

Developed a Memorandum of Understanding between Michigan State University and the Federal University of the West of Para (UFOPA). Signed October 23, 2018

Organized a Panel for the Annual Meeting of the Association of American Geographers meeting in New Orleans, April 14. Topic: The Belo Monte Dam in the Brazilian Amazon: Social and Environmental Costs with Few Benefits.

2021

Organized a Round Table at the X ENANPPAS on the topic of social and environmental Impacts after the construction of hydropower plants in the Brazilian Amazon. Oct. 7

Organized a series of four Webinars on the topic of the Impact of Health and Environment in the Brazilian Amazon in the Context of Covid-19, August 5, 12, 19 and 26. Part 1: Past and Present of Epidemics in the Brazilian Amazon; Part 2: Indigenous and Traditional Communities confronting Covid 19. Part 3: Infrastructure Projects and Health Impacts. Part 4: Preparation and monitoring: Is it possible to be better prepared for another pandemic?

2022

Organized a series of three webinars on the topic of Amazonia in Images and Movement, on the impact of documentary film in portraying the Amazon. The first one examined the role of extractivism, the second one the role of large infrastructure projects, and the third the voices of indigenous people. This was part of the webinars sponsored by FAPESP.

2023

Organized a three-day workshop at State University of Campinas, Brazil. Topic: After Hydroelectrics: plans for the next two years of research, Sao Paulo Excellence Chairs Thematic project, funded by FAPESP, March 1-3

Co-organizer of an international symposium at Michigan State University, sponsored by the Center for Latin American and Caribbean Studies, on “Why the Amazon Matters to the Fate of the Earth.” April 12-14

Co-organizer of the Round table “Socioenvironmental disruptions in the period after the construction of the Belo Monte Hydropower dams in the Brazilian Amazon” at the XI National Meeting of ANPPAS, Curitiba, Brazil. 15 September, 2023.

American Geophysical Union (AGU) meeting presentation: Large-scale hydropower impacts and adaptation strategies on rural communities in the Amazonian Floodplain of the Madeira River (with C.R. da Costa Doria, C. Arantes, J. Dutka-Gianelli, J. Laufer, and E.F. Moran) as part of Panel on Water and Society: Interdisciplinary Infrastructure Planning, towards sustainable water-energy-food systems.

INVITED LECTURES

1974

“The Brazilian Colonization Experience in the Transamazon Highway.” Symposium on Pioneer Colonization in South America. American Anthropological Association. Mexico City, Mexico.

1975

“Limiting Factors to Agricultural Production.” Symposium on Food Production in Lowland Latin America. Southern Anthropological Society, Clearwater Beach, FL.

1976

“Food, Development and Man in the South American Tropics.” Tropical Studies Program. Texas A & M University, College Station, TX.

“Constraints to Agricultural Production in the Amazon Basin.” Technical Seminar Series. National Amazon Research Institute, Manaus, Brazil.

“Research Strategies in Human Ecology.” Roundtable Seminar in Social Anthropology. National Museum, Rio de Janeiro, Brazil.

1977

“Development of the Brazilian Amazon: Implications for the U.S.” Committee on Modernization. Purdue University, West Lafayette, IN.

“Farming in the Brazilian Amazon: Its Potential.” Trade and Development Workshop. Purdue University, West Lafayette, IN.

“Brazil's Mixed Capitalist Strategy and Its Impact at the Regional Level.” Lilly Endowment Conference. Indiana University, Bloomington, IN.

1979

“The Human Ecology of Amazonian Populations.” Technical Seminar. Instituto Venezolano de Investigaciones Cientificas, Caracas, Venezuela.

“Mobility and Resource Use in Amazônia.” International Amazon Colonization Conference. University of Cambridge, Cambridge, UK.

1980

“The Ecology of the Amazon.” Environmental Studies Series. Stockton State University, Pomona, NJ.

“The Evolution of Cape Verde's Agriculture.” African Studies Seminar Series. Indiana University, Bloomington, IN.

1981

“The Limitations of Macrodevelopment Approaches in Heterogeneous Tropical Forest Environments.” Symposium on Macrodevelopment in the Tropical Forests and Arid Zones. American Association for the Advancement of Science. Toronto, Canada.

“Colonization in Amazônia.” Amazon Seminar Series. Center for Latin American Studies, University of Florida, Gainesville, FL.

“The Determinants of Farmer Success.” Center for Brazilian Studies, School of Advanced International Studies, Johns Hopkins University. Baltimore, MD.

“Subsidy and Resource Use in the Rio Negro Basin, Venezuelan Amazon.” Key Symposium, Affluence and Cultural Survival. American Ethnological Society Meeting. Washington, DC.

1982

“Human Impacts on Global Resources: Anthropological Approaches.” Symposium on Interdisciplinary Approaches to the Study of Human Impacts on Global Resources. American Association for the Advancement of Science. Washington, DC.

“Colonization in the Transamazon and Rondônia, Brazil.” International Conference on Frontier Expansion in Amazônia. Center for Latin American Studies, University of Florida, Gainesville, FL.

“A Decade of Colonization in the Brazilian Amazon.” 44th International Congress of Americanists. Manchester, England.

“Cultural Ecology of the Rio Negro Basin.” International Symposium on the Structure and Function of Amazon Forest Ecosystems in the Upper Rio Negro, Caracas, Venezuela.

“Colonialism and Drought-Risk: The Plight of the Republic of Cape Verde.” Department of Anthropology, College of William and Mary, Williamsburg, VA.

1983

“Brazil in an Interdisciplinary Context-Policy Issues in Amazon Basin Development.” Lecture Series. Indiana Chapter of the Society for International Development. “The Dilemma of Amazônia Development.” Indiana University, Bloomington, IN.

“The Problem of Amazon Development Policy: Neither Growth nor Human Development.” Latin American Studies Center, University of California, Berkeley, CA.

“Anthropology and Amazon Basin Colonization.” International Congress of Anthropological and Ethnological Sciences, Quebec City, Canada.

1984

“Who Benefits? Early Frontier Development in the U.S. and the Amazon Basin.” Department of Anthropology, University of North Carolina, Chapel Hill, NC.

“Soils in Carajas Colonization Project.” Department of Soil Science, North Carolina State University, Raleigh, NC.

1985

“Production and Reproduction in Frontier Agroecosystems.” Society for Economic Anthropology. Warrenton, VA.

“Early Frontier Development in the U.S. and the Amazon Basin.” Department of Anthropology, University of Arizona, Tucson, AZ.

“State-of-the-Discipline: Anthropology.” Latin American Studies Association. Albuquerque, NM.

“Socio-economic Considerations in Acid Tropical Soils Research.” Inaugural Workshop of IBSRAM's Acid Soils of the Tropics Network Conference. Brasilia, Brazil.

“A Comparative Analysis of the U.S. and the Amazonian Frontiers.” College of Agriculture, Cornell University, Ithaca, NY.

“The Amazon Basin and Brazil's Natural Resources.” Alfred J. Hanna Distinguished Lecture in Latin American Studies. Rollins College, Winter Park, FL.

1986

“Socioeconomic Considerations in Managing Soil Biology and Fertility.” III Workshop of the Tropical Soil Biology and Fertility Programme. International University of Biological Sciences. Yurimaguas, Peru.

“Adaptation of Maladaptation in Newly Settled Areas.” Visiting Scholar, Western Michigan University, Kalamazoo, MI.

1987

“Socio-economic and Physico-Chemical Factors in Soil Fertility Degradation in the Amazon Basin.” Distinguished Lecture in Ecology. Colorado State University, Fort Collins, CO.

“Human Populations in Tropical Forests.” Indianapolis Zoo/World Wildlife Fund Conference, La Selva, Costa Rica.

“Adaptation of Maladaptation in Newly Settled Areas of Amazônia.” Program in Tropical Studies. University of Wisconsin, Madison, WI.

“The Human Ecology of Amazonian Populations.” Anthropology Department, University of Wisconsin, Madison, WI.

“Disaggregating Amazônia.” Symposium on “Amazonian Ecology: Future Research and Trends.” American Anthropological Association annual meeting. Chicago, IL

1988

“The Transamazon Highway 20 Years Later.” Keynote speaker, Southeastern Conference on Latin American Studies. Knoxville, TN.

“Human and Cultural Ecology.” Kalman Silvert Prize Panelist. Latin American Studies Association. New Orleans, LA.

“A Framework for the Study of Human Adaptations to the Environmental Constraints of Amazonian Ecosystems.” International Workshop on the Origins, Adaptations, and Biological Diversity of Native Amazonians. Belem, Brasil.

“From Slavery to Food Insecurity: A Historical Analysis of Cape Verde's Agricultural Development.” XII International Union of Anthropological and Ethnological Sciences. Zagreb, Croatia.

1989

“Amazonian Soils: Distribution and Agricultural Alternatives under Indigenous and Contemporary Management.” Wenner-Gren Conference: Amazonian Synthesis: An Integration of Disciplines, Paradigms, and Methodologies. Novo Friburgo, Brazil.

“A Heterogeneidade da Amazonia: Ecossistemas Ricos e Ecossistemas Pobres” Ciencia as Quintas Lectures Series. Conselho Nacional de Pesquisas. Brasilia, Brazil.

1990

“Rivers of Hunger: Human Adaptive Strategies in Amazonian Black-water Rivers.” Lecture Series. Institute for Advanced Study, Indiana University, Bloomington, IN.

“Amazonian Deforestation: Are Peasants Responsible?” Center for Latin American Studies, University of Minnesota, Minneapolis, MN. Mar. 18.

“Rich and Poor Ecosystems of Amazônia: Approaches to their Sustainable Management.” International Symposium on the Fragile Tropics of Latin America. University of Tsukuba, Japan. May 29-31.

“Human Ecology, Colonization and Environmental Management.” International Symposium on the Ecological Disorder of Amazônia. Belem, Para, Brasil. Oct. 28-31.

“Deforestation in the Brazilian Amazon.” Symposium on Tropical Forest Ecology. 89th Annual Meeting of the American Anthropological Association. New Orleans, LA. Nov. 30.

1991

“Endangered Tropical Rain Forests: Human Impacts in the Amazonian Rain Forests.” Conference on Towards a Healthy Global Environment. Davidson College, Davidson, NC. Mar. 5-7.

“Indigenous Strategies of Soil Management in Amazônia.” Invited Speaker. Purdue University, West Lafayette, IN. Apr. 11.

“Deforestation in the Amazon: Are Smallholders Responsible?” Center for Latin American Studies, University of Kentucky, Lexington, KY. Apr. 18.

“Amazonian Deforestation: Local Causes, Global Consequences.” International Conference on Human Ecology. Goteborg, Sweden. June 9-14.

“Ecological Anthropology”. Invited paper for panel on “The Fragmentation of Anthropology.” American Anthropological Association annual meeting. Chicago, IL. Dec.

1992

“Nurturing the Forest: Strategies of Native Amazonians.” International conference on Beyond Nature and Culture: Cognition, Ecology and Domestication. National Museum of Ethnology, Kyoto, Osaka, Japan. Mar. 16-24.

“Amazonian Deforestation Landsat TM Spectral Analysis.” Invited lecture. Institute for Environmental Studies, University of Wisconsin, Madison, WI. Apr. 14.

“Deforestation in Amazônia and Land use Change: Socio-ecological Data and Landsat TM Image Analysis.” Symposium on Land Use and Global Environmental Change. Ecological Society of America. Honolulu, HI.

Aug. 11-13.

“Land Use Changes in the Amazon Estuary.” Symposium on Regional Land Use Change. American Anthropological Association annual meeting. San Francisco, CA. Dec. 2-5.

1993

“The Law, Politics, and Economics of Amazonian Deforestation.” Interdisciplinary Conference, The Globalization of Law, Politics, and Markets: Implications for Domestic Law Reform. Indiana University Law School. Mar. 4-7.

“Socio-economic Aspects of Acid Soil Management.” Keynote speaker. Third International Symposium on Plant-Soil Interactions at Low pH. Brisbane, Queensland, Australia. Sept. 12-16.

1994

“Vegetation Characteristics of Successional Forests in Altamira, Para.” Symposium on Landscape Change in the Santarem Triangle of the Eastern Amazon. Association of American Geographers annual meeting. San Francisco, CA. Mar. 28-Apr. 2.

“Studying Human Impact on Tropical Moist Forests by linking Field-level surveys with Landsat Satellite Digital Data.” Institute of Latin American Studies, Population Center and Department of Anthropology. University of Texas. Austin, TX. Apr. 22.

“Deforestation and Regrowth in the Amazon Basin.” Keynote lecture, Conference on the Human Dimensions of Global Ecological Change. University of Georgia, Athens, GA. Apr. 15.

1995

“Succession after Deforestation in the Eastern Amazon.” Department of Anthropology and Environmental Studies, University of Nebraska, Lincoln, NE. Feb. 2.

“Deforestation and Secondary Growth in the Brazilian Amazon.” Center for Latin American and Caribbean Studies, Michigan State University. East Lansing, MI. Apr. 19.

“Studying Global Environmental Change.” Department of Anthropology, Catholic University of America, Washington, DC. Sept. 28.

1996

“Land use and Land Cover Change in Amazônia: Combining Anthropological and Physical Sciences’ Methodologies.” University of Arizona, Department of Anthropology, Tucson, AZ. Feb. 19.

“Amazonian Land Use Change.” American Association for the Advancement of Science annual meeting, Baltimore, MD. Feb. 8-13.

“The Legacy of Robert Netting.” Society for Applied Anthropology meetings, Baltimore, MD. Mar. 29.

“The Impact of Globalization on the Amazon.” III Workshop of the Ajusco, Colegio de Mexico and UNEP. Mexico City, Mexico. Sept. 2-4.

“Secondary Succession in the Amazon.” Workshop on Global Climate Change: Scientific Uncertainties and Environmental Implications. Indiana University, Bloomington, IN. Oct. 3-4.

“Amazonian Deforestation and the Structure of Households.” Workshop on Population and Environment, National Institutes of Health Campus, Washington, DC. Oct. 28-29.

1997

“Amazonian Deforestation: Rates and Processes.” At: Contemporary Latin America: A Social Science Perspective. University of Arizona, Tucson, AZ. Jan. 27.

“Studies of Secondary Succession in Amazônia Colloquium Series on Global Change in the Americas.” University of Arizona, Tucson, AZ. Feb.

“On-going Studies of Deforestation, Land Use and Secondary Succession in the Brazilian Amazon.” Latin American Colloquium Series, Graduate Seminar. University of Arizona, Tucson, AZ. Feb. 10.

“Studying the Human Dimensions of Forest Ecosystems in the Western Hemisphere.” Distinguished Speaker Series. Center for Integrated Study of the Human Dimension of Global Change, Carnegie Mellon University, Pittsburgh, PA. Apr. 14.

“Strategies for Strengthening Environmental Monitoring in Latin America.” Tinker Foundation sponsored conference: “Environmental Monitoring in Latin America,” Miami, FL. Apr. 24-27.

“Amazonian Deforestation and the Structure of Households.” CIPEC Colloquium. Indiana University, Bloomington, IN. Sept. 29.

“Development and the Anthropological Encounter in the 21st Century.” Invited Session. American Anthropological Association annual meeting. Washington, DC. Nov. 20.

1998

“A Multilevel Approach to Studying Global Environmental Change.” The Earth’s Changing Land. GCTE-LUCC Open Science Conference in Global Change. Barcelona, Spain. Mar. 14-18.

“A Multilevel Approach to Studying Global Environmental Change” and “The Development Encounter and Academic Anthropology.” 14th International Congress of Anthropological and Ethnological Sciences. Chair, Commission on Anthropological Aspects of Global Environmental Change. Williamsburg, VA. July 26-Aug. 1.

“Deforestation in the Amazon: Landscape and Household Levels of Analysis.” Distinguished Speaker Series. Dept. of Anthropology and Center for Environmental Studies, Arizona State University, Tempe, AZ. Oct. 30.

“Strategies for Amazonian Forest Restoration” International Conference on Amazonia 2000. University of London, London, England. June 25-26.

“Succession at Five Amazônia Sites.” CPTEC/LBA. Cachoeira Paulista, Sao Paulo, Brazil. Aug. 17.

1999

“A Multilevel Approach to Studying Global Environmental Change in Forest Ecosystems.” Symposium on Understanding the Human Dimensions of Global Environmental Change. American Association for the Advancement of Science annual meeting. Washington, DC. Feb. 17-22.

“Trajectories of Land Use: Soils, Succession, and Crop Choice.” Patterns and Processes of Land Use and Forest Change in the Amazon, International Conference. University of Florida, Gainesville, FL. Mar. 23-26.

“Environmental and Demographic Dimensions of Deforestation and Land Use in the Brazilian Amazon.” Carolina Population Center, Population Research Seminar, University of North Carolina, Chapel Hill, NC. Dec. 3.

2000

“Human Ecosystems: Linking Biophysical and Social Processes.” LTER presentation. Arizona State University, Tempe, AZ. Jan. 19.

“The Dynamics of Land Use/Land Cover Change–The Need for a Historical Perspective.” BIOME 300. Bern, Switzerland. Mar. 5-7.

“Change in Forest Ecosystems: A Case Study at Multiple Scales,” Population and Environmental Change in the Americas: Cross-site Comparisons,” and “Population and Environmental Change in the Americas.” IGBP Land-Use and Land Cover Change Workshop on Human Modification of the Biosphere: Key Drivers of Land-use/cover Change Processes. Stockholm, Sweden. Mar. 13-15.

“Results of Studies on Tropical Moist and Tropical Dry Forests of the Americas.” Michigan State University, East Lansing, MI. Mar. 29-30.

“Advances in Property-Level Analysis of Land use and Land Cover Change Seminar Series.” Pattern to Process: Global International Dimensions of Land Use and Cover Change. Michigan State University, East Lansing, MI. Mar. 29-30.

“Human and Physical Dimensions of Land Use/Cover Change in Amazônia: Forest Regeneration and Landscape Structure.” 4th NASA Land Cover Land Use Change Science Team Meeting, Reston, VA. Apr. 3-5.

“Exploring Tropical Deforestation and Land Use.” Association of American Geographers annual meeting. Pittsburgh, PA. Apr. 4-8.

“Land Use and Land Cover Change in Amazônia: Biophysical, Demographic, and Social Drivers.” National Center for Geographic Information and Analysis and Department of Geography, University of California, Santa Barbara, CA. May 3.

“Mudanças no Uso da Terra e na Cobertura Vegetal na Amazônia.” IPAM. Belem, Para, Brazil. June 28.

2001

“The Developmental Cycle of Domestic Groups and Amazonian Deforestation” presented at the Population Association of American annual meeting held March 29-31, and at the Large-scale Biosphere-Atmosphere Experiment in Amazonia conference. Atlanta, GA. Feb. 12-14.

“What’s Driving Land Use and Land Cover Change? Myths and Realities.” Presented at the American Association for the Advancement of Science annual meeting, session on Earth System Science. San Francisco, CA. Feb. 15-20.

“Population and the Environment in the Amazon Basin.” Princeton University, Environmental Research Institute. Princeton, NJ. Oct. 12.

“Household Demographic Structure and its Impact on the Trajectories of Deforestation in the Amazon.” Brown University. Providence, RI. Oct. 25.

“Land Use and Land Cover Change and the Carbon Cycle.” National Research Council meeting, Washington DC. Nov. 5.

“LUCC Progress 2001.” Land Cover and Land Use Change, Tropical and Subtropical Workshop. NASA Science Team. Washington, DC. Nov. 19.

“Human and Physical Dimensions of Land Use/Cover Change in Amazônia Forest Regeneration and Landscape Structure.” Land Cover and Land Use Change, Tropical and Subtropical Workshop. NASA Science Team. Washington, DC. Nov. 20.

“Global Environmental Change and the Ecosystem Perspective.” Invited session. American Anthropological

Association annual meeting. Washington, DC. Nov. 29.

2002

“Deforestation Trajectories in a Frontier Region of the Brazilian Amazon”. Invited session: “Remote Sensing and GIS Applications for Linking People, Place, and Policy.” Association of American Geographers annual meeting. Los Angeles, CA. Mar. 19-24.

“People and Pixels: Advances in Linking Social Sciences and Spatial Data through Remote Sensing.” Invited lecture. Ohio State University, Columbus, OH. June 4.

“Population and Environment Surprises in the Amazon Basin: Deforestation, Land Cover Change and the Structure of Households.” Environmental Policy Initiative seminar. Ohio State University, Columbus, OH. June 4.

“Deforestation Trajectories in a Frontier Region of the Brazilian Amazon.” 2nd LBA Open Science conference, Manaus, Brazil. July 7-10.

“Dimensoes Humanas das Mudancas na Cobertura Vegetal e Uso da Terra.” Embrapa Satellite Monitoring seminar. Campinas, Sao Paulo, Brazil. Aug. 6.

“CIPEC: A Center of Excellence on Human Dimensions of Global Change.” INPE. Seminar. Sao Jose dos Campos, Sao Paulo, Brazil. Aug. 7.

“Ecologia Humana e o Uso da Terra.” SENAC seminar, Sao Paulo, Brazil. Aug. 9.

“Dimensoes Humanas da Mudanca Ambiental Global: A Proxima Decada.” SENAC seminar. Sao Paulo, Brazil. Aug. 10.

2003

“Human Strategies for Coping with ENSO and Growing Flammability of Forests in Amazonia.” Association of American Geographers annual meeting. New Orleans, LA. Mar. 7.

“Science Planning or the Terrestrial Human Environment System.” Land Use Cover Change Scientific Steering Committee meeting. Banff, Canada. June 17-26.

“Land Science Plan. Challenges Ahead.” International Geosphere-Biosphere Programme Congress, Banff, Canada. June 18-25.

“The Human-Environment Nexus: Progress in the Past Decade in the Integrated Analysis of Human and Biophysical Factors.” Keynote lecture at the World System History and Global Environmental Change Congress. Lund, Sweden, Sept. 19.

“Social Science Perspectives on Resilience.” Resiliency and Change in Ecological Systems. Santa Fe Institute, Santa Fe, NM. Oct. 24-26.

2004

“The Global Land Project” at International Human Dimensions Programme Scientific Planning Meeting. Bonn, Germany. Mar. 22.

“Deforestation and the Structure of Households.” Seminar presented at the Center for the Study of Population (NEPO) at the University of Campinas, Campinas, Brazil. June 4.

“Human Dimensions of Global Environmental Change: New Directions.” Seminar presented to the Post-

graduate Program in Environmental Science (PROCAM) at the University of São Paulo, SP, Brazil. June 1.

“32 Years of Research along the Transamazon Highway: A Retrospective”. Seminar presented at EMBRAPA/CPATU, Center for Agroforestry of Eastern Amazon, Belem, PA, Brazil. July 7.

“Human Dimensions of LBA: Building on International Efforts” III LBA Open Science Meeting, Brasilia, DF, Brazil. July 26.

2005

“The Global Land Project”. Invited presentation for the Meeting of Scientific Steering Committee, International Human Dimensions Programme, Bonn, Germany. March 21.

“Pesquisa sobre Populacao e Meio Ambiente na Amazonia”. Invited lecture at Center for Advanced Study (NAEA), Universidade Federal do Para, Belem, Brazil. June 24.

“32 Anos de Pesquisa na Transamazonica”. Invited lecture at Universidade Federal do Para, Altamira Campus, Brazil. June 30.

“Dimensoes Humanas de Mudancas Globais: A Parceria com a EMBAPA” EMBRAPA Satellite Monitoring Unit, Campinas, SP, Brazil. Aug. 9.

“Dinâmica da Ocupação da Amazônia.” Center for the Study of Population (NEPO). University of Campinas (UNICAMP). Campinas, Brazil. Aug. 10.

“Dimensões Humanas das Mudanças Globais Ambientais: Novas Direções.” National Commercial Training Service (SENAC), São Paulo, Brazil. Aug. 11.

“Population and Environment in the Amazon Basin.” 2005-2006 Provost and University Distinguished Lecture Series, Kansas State University, Manhattan, KS. Sept. 29.

“Dimensoes Humanas da Biodiversidade,” Keynote Closing Lecture at the V Symposium of the BIOTA/FAPESP Program, Aguas de Lindoia, SP, Brazil. Nov. 17.

“Human Ecology’s changing theories and Methods in the past 25 Years.” Invited Keynote Lecture upon the celebration of 25 years of the Human Ecology Program at the Center for Advanced Studies (CINVESTAV), Merida, Yucatan, Mexico. Nov. 30.

2006

“Population and Environment in the Brazilian Amazon: Social and Environmental Interactions.” University of Miami, Center for Ecosystem Science and Policy, Dept. of Geography and Regional Studies, Miami, FL. Feb. 22.

“Ecology and Society: A Lifelong Research Program.” Center of Ecology, Universidad Nacional Autónoma de Mexico (UNAM), Morelia, Mexico. March 28.

“Environmental Sustainability: Research Directions.” University of Michigan, Graham Environmental Sustainability Institute, Ann Arbor, MI. May 24.

“Human Dimensions of the Environmental Global Changes: Human Adaptability.” LBA Workshop and Course, Manaus, Brazil. May 31.

“Human Dimensions of Climatic Change.” Fundação de Amparo à Pesquisa do Estado de São Paulo (FAPESP) Inaugural Lecture for new climate program. Sao Paulo, Brazil. June 8.

"Human Dimensions of Climate Change". Centro de Investigación y de Estudios Avanzados del Instituto Politécnico Nacional (CINVESTAV), Merida, Mexico. Aug. 10.

"Myths and Perspectives on Land-Use and Land-Cover Change in the Amazon." 10th Meeting of the LBA-ECO Science Team, Brasilia. DF, Brazil. Oct. 5.

2007

"Human Dimensions of Climate Change." XII National Meeting of Urban Planning Association, Brazil. Belem. May 24.

"Scale-Dependence in Understanding Deforestation in Amazônia." Plenary paper. 11th LBA-ECO Science Meeting, Salvador, Bahia, Brazil. Sept. 27.

"Dynamics and Trajectories of Land Use and Land Cover Change." Keynote Lecture, XV International meeting of the Society for Human Ecology, Rio de Janeiro, Brazil. Oct. 5.

"Mitos and Contra-mitos da Amazônia." International Workshop on Population Dynamics and Global Environmental Change in Amazônia. Center for Population Studies, University of Campinas, Brazil. Oct. 22.

"Global Environmental Changes and Its Human Dimensions: Impacts of Human Interaction with Land Cover." 58th National Botanical Congress, São Paulo, Brazil. Nov. 1.

2008

"Population and Environment in the Amazon Basin." Presented at Session entitled "New Directions in Land Change Science," at the Association of American Geographers annual meeting. Boston, MA. April 16.

"An Integrative Approach to Land Change Science." Invited lecture at Macaulay Institute, Aberdeen, Scotland. May 19.

"Como Ter Mais com Menos: Valorizando Relacionamentos mais que o Consumismo." Livraria Cultura, São Paulo, SP. June 23.

"Expansão Internacional da Antropologia Ambiental: Experiências na Amazonia." Invited lecture by FAPESP, Série Revolução Genômica, Parque Ibirapuera, São Paulo, SP. June 21.

"Population and Environment in the Amazon Basin." Invited lecture at Michigan State University, East Lansing, MI. Sept. 18.

"Household Demographic Structure and Its Impact on the Trajectories of Deforestation in the Amazon". Invited Lecture at Brown University, sponsored by Environmental Change Initiative. Oct. 23.

Distinguished Speaker and Keynote Lecture, Invited by West Lakes Association of American Geographers. "Land Change Science and Amazonian Deforestation." Nov. 14.

2009

"A Forest Transition? Deforestation and Reforestation Dynamics in the Brazilian Amazon, and São Paulo (& Indiana)." Invited Lecture at University of North Carolina at Chapel Hill, April 16.

2010

"Human Environment Interactions Research under conditions of climate change". Invited Lecture at University of Miami, Sept. 3.

“Human Ecology in the era of climate change: challenges and solutions”. International Congress of Human Ecology and Health. Florianopolis, SC, Brazil. Sept. 15.

2011

“Amazonian Land Use and Land Cover Change”, Rosentiel School of Marine Affairs and Atmospheric Sciences, University of Miami, March 21

“Charles Wagley’s Legacy in Amazonian Studies”. Annual Meeting of the Center for Latin American Studies, University of Florida at Gainesville, March 25

“Future Directions for Land Use and Land Cover Research”, Science Team Meeting, NASA, Univ. of Maryland, March 28

“Rethinking Human-Environment Interactions”, the Rachel Carson Distinguished Lecture in Conservation Ecology. Michigan State University, Dec. 8

2012

“Human-Environment Interactions, Land-Use, and Deforestation in the Brazilian Amazon”, Oklahoma State University, Department of Geography Colloquium Series, Jan. 23

“Dinamicas Sociais e Ambientais da Mudanca Climatica Global: O Estado da Arte e o Futuro da Pesquisa Interdisciplinar”, Nucleo de Excelencia em Pesquisa sobre Ambiente e Sociedade (NEPAM), University of Campinas, SP, Brazil. Feb. 29.

“Land Use and Deforestation in the Brazilian Amazon”, Population Program and Dept. of Geography, Univ of California at Santa Barbara, Nov. 5.

2013

Land Use and Land Cover Change in Amazonia. Keynote Lecture at the XV Brazilian Symposium in Physical Geography. July 8

2014

“Cyberinfrastructure for the Social Sciences in the 21st Century” at the Ostrom Workshop in Political Theory and Policy Analysis, Indiana University, March 3

“Social Observatories: a framework for the Social and Behavioral Sciences” at the National Research Council DBASSE Committee.

“Physical and Socioenvironmental Variability across the Amazon Basin” Invited Lecture by Latin American and Caribbean Studies Program, MSU, Sept. 10

“Amazonian Deforestation and Land Cover Change: Human-Environmental Interactions” Keynote lecture presented at Global Change Conference, Ostuni, Italy. Sept. 17

2015

“Transforming the Amazon: A long-term study of human-environment interactions”. Lisbon, Portugal, Keynote Lecture at Human Ecology Congress, Feb. 6

“Belmont Forum and Future Earth: the future of global change research” at Symposium on Future Earth, Michigan State University, Feb. 25

“National Center for Social Science Synthesis” at scholarly meeting to discuss the future of the social sciences, Washington DC, March 20

“Tipping Points in the Amazon Rainforest”, keynote lecture at the Fate of the Earth Symposium, sponsored by the

Environmental Science and Policy Program, Michigan State University, April 2

“Human Dimensions of Land Use and Land Cover Change in Amazonia” Keynote Lecture at Chinese Symposium on Remote Sensing and Land Use, Zheijiang University, June 10

“Da Transamazonica a UHE Belo Monte: Decadas de Pesquisa na Amazonia” faculdade de ciencias humanas e sociais do Xingu e Amazonia, Oct. 27

“Water, Food and Energy: Closing Remarks” invited to NSF funded workshop on the Food, Energy, and Water Nexus Symposium, Nov. 11

2016

“Urban Ribeirinhos: transformation of a traditional Amazon peasantry” invited at the annual meeting of the Association of American Geographers, San Francisco, April 2.

“Ecologia Humana na regio de Altamira: populacao e meio ambiente,” Federal Univ. of Para, Altamira campus, July 12

“Public Policies and the Electric Sector in Brazil” invited as part of a Symposim on Public Policies and Hydroelectric Dams: How to reduce the social impacts. Sponsored by Center for Latin American and Caribbean Studies. Sept. 7

2017

Theorizing Land Science. Annual Meeting of the Assoc. of American Geographers. Boston, April 6.

Finding a Way: Soybean Farmers struggle to make ends meet in a tightly coupled global economy”. Annual meeting of the Assoc. of American Geographers. Boston, April 7.

Keynote Lecture at Meeting of The Climate Change Program, Fundacao de Amparo a Pesquisa do Estado de Sao Paulo (FAPESP). “Transforming the Amazon: a long-term study of human-environment interactions”. Sao Paulo. June 20.

Keynote Inaugural Lecture at 30th Aniversary Conference Celebrating the Interdisciplinary Graduate Program of NEPAM, University of Campinas. “Avancos na Pesquisa Ambiente e Sociedade no contexto da Amazonia” October 31.

Invited Lecture at Panel “People and Pixels Revisited: 20 years of progress and new tools for population-environment research”. Background to People and Pixels and the Future of Human Environmental Research. American Geophysical Union annual meeting, New Orleans, Dec. 12

2018

Human Ecology of the Populations of Amazonia. Invited Lecture at Federal University of Rondonia (UNIR), Brazil. March 23

Forgetting the People in Energy Development. Invited Keynote Lecture at Federal University of Tocantins, Brazil, May 16

Human Dimensions of Water, Food, Energy Nexus. Keynote Lecture at the Advanced School on Water, Energy, Food Nexus: Better Decisions for an Uncertain World. State Univ. of Campinas, Sao Paulo. Oct. 16

Dialogos Socioambientais. Keynote Lecture at Instituto de Energia e Ambiente, University of Sao Paulo. Oct. 22.

Belo Monte and other dams: human impacts. Invited lecture, Univ. of West of Para (UFOPA), Santarem, Brazil. Oct. 26

2019

“Introduction to the Thematic Project: Social and Environmental Impacts of Belo Monte” at Auditorium of FAPESP, Sao Paulo, Brazil Aug. 27

“Concluding Remarks: Lessons Learned” at Workshop on the Social And Environmental Impacts of Belo Monte at FAPESP Auditorium, Sao Paulo, Brazil Aug. 28

“The Soybean Connection and its impact on Brazil’s farming” at Workshop sponsored by Univ. of St. Gallen’s Institute of Management Latin America, Sao Paulo, Brazil. April 3

“Human Ecology of the Amazon” invited Talk at UNIR Graduate Program in Environment and Development, Porto Velho, Rondonia, Brazil. April 8

“Policy Forum on Land Use and Land Cover Change and Food Security” Sao Sebastiao, Sao Paulo. Brazil Sept. 25

“Human Dimensions of Global Environmental Change”, Three days of Lectures. Univ. Pablo de Olavide, Sevilla, Spain Nov. 14-16

2021

Adam Mayer, María Alejandra García, Laura Castro-Díaz, Maria Claudia López, and Emilio Moran. 2021.

“Procedural Injustices in the Madeira Hydroelectric Complex” Presented at the 2021 American Sociological Association meeting (online) August 10, 2021.

“Human Dimensions of Global Environmental Change” Three days of Lectures. Univ. Pablo de Olavide, Sevilla, Spain Nov. 30-Dec. 2

2022

“Human Dimensions of Global Environmental Change”. Three days of lectures. Univ. Pablo de Olavide, Sevilla, Spain. Nov. 21-23.

2023

“The legacy of my Brazilian Students to the study of Environment and Society”. Invited lecture at the opening of the new semester at State University of Campinas, Brazil. March 3, 2023

“Solutions for Off-Grid Amazonian Communities”. Invited lecture at the II Meeting of Energy and Communities. Belem, PA, Brasil. May 9-11, 2023

2024

“Unfulfilled promises? Investigating the impact of the Belo Monte hydropower dam on water, energy, and food access in the Brazilian Amazon”. Presented by Igor Cavallini Johansen and Emilio F. Moran. European Geosciences Union Meeting, EGU24-13331. April 15.