

Andrea B. Chavez

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EDUCATION

PhD Geography, **University of Florida, Gainesville, FL**
Dissertation: Public Policy and Spatial Variation in Land Use and Land Cover in the Southeastern Peruvian Amazon

Ph.D. Certificate in Tropical Conservation & Development, University of Florida
Graduate Certificate in Latin American Studies, University of Florida

Visiting Scholar Maxwell School of Citizenship and Public Affairs,
Syracuse University, Syracuse, NY
Emphasis: Political Ecology/NGO/Indigenous Communities

M.A. in Geography, **University of Miami, Coral Gables, FL**

M.A. in Political Science, minors in Geography and Environmental Law
Karl-Ruprechts Universität Heidelberg, Heidelberg, Germany

PROFESSIONAL EXPERIENCE

- Since 8/2019 **University of Florida, Center for Latin American Studies, Tropical Conservation and Development Program**
Assistant Scientist
- Co-lead governance and infrastructure grant activities in the Upper Madeira and Colombia mosaics Pan-Amazon Community of Practice to improve transparency and accountability of infrastructure planning for good governance of protected areas mosaics;
 - Coordinate the information exchange and communication between the project's activities and the regional learning networks;
 - Lead specific activities and analyses focusing on mapping and citizen science, including assessment of tools and strategies for implementation across mosaics.
- 3/2019-present **University of Florida, Center for Latin American Studies, Tropical Conservation and Development Program, Governance Infrastructure in the Amazon**
Project Assistant
- Support for planning, logistical, fiscal and travel support to UF team and the project's regional coordinators
 - Administer personnel appointments and payments for consultants, student assistants and other personnel on the grant paid by UF;
 - Maintain a database of project outputs and indicators;
 - Contribute to project reporting and financial management
- 7/2018-present **University of Florida, Spatial Ecology & Conservation (SPEC) Lab**
Research Scientist
- Research on phenologic patterns of bird – bioclimatic variable interactions, using a spatial-temporal multi-sensor approach.
 - Develop integration frameworks.
 - Leading peer-reviewed publications.
- 2015 –present **University of Florida, Tropical Conservation and Development Program (TDC), Center for Latin American Studies, Gainesville, FL**
Courtesy Faculty
- Student mentorship and/or student academic guidance in topics related to the Peruvian Amazon and the socio-ecological integration.
 - Collaborate as invited speaker/teacher in specific TCD courses

- Collaboration in grant-writing of prospective collaborative research projects in Latin-America
- Strengthen extension activities in capacity-building efforts within collaborative partners in Latin-American universities and stakeholders.

10/2013-5/2014 **Regional Government of Madre de Dios, Special Project of Madre de Dios, Puerto Maldonado, Peru**
Consultant "Vulnerability Assessment of Burning Patterns within Changing Climates in Madre de Dios"

- Carried out research and field surveys on the identification of the mechanisms through which climate change affects burning patterns and generates vulnerability.
- Analyzed current and future vulnerability assessments at the regional, local and household level.
- Analyzed main policies and adaptation measures in the region.
- Identified the main barriers and gaps for the management and adaptation to climate change.
- Proposed lines of action for adaptation to climate change in the region.

2013- 2015 **Universidad Nacional de Ucayali (UNU), Pucallpa, Peru.**
Co-Director for the Project "Building Conservation Capacity in a Changing Amazonia," University of Richmond, VA, Higher Education for Development (HED), Washington, DC

- Build the capacity via research, teaching and extension activities related to conservation science and sustainable management of natural resources.
- Implemented applied scientific socio-environmental research, conservation internships, designed and taught the conservation science certificate program.
- Trained 21 thesis students in Ucayali's capital of Pucallpa to conduct project activities and research within the remote, bio- and culturally diverse Purús and Yurua watersheds of the Peruvian Amazon Basin.
- Built capacity for both university students and indigenous communities in participatory research and future leaders to reflect critically on natural resource management.
- Broadened student skill sets (composed by theory, skills and practice) so they can analyze linked socio-ecological systems from an interdisciplinary, environmental science perspective and communicate to a range of stakeholders including policy makers, local communities, and the urban Amazon public.
- Coordinated applied interdisciplinary environmental journal.
- Co-direction of baseline assessment and project as a whole with a particular focus on capacity building.
- Coordinated monitoring and evaluation procedures and data collection and reporting.
- Facilitated two climate change workshops (Purús and Yurua), Ucayali's most remote, carbon-rich, and bioculturally diverse regions.

2011- 2012 **CIFOR, Center for International Forestry Research, Lima, Peru and Bogor, Indonesia**
Consultant

- Research on potential multi-use management of Brazil nut-rich forests in Madre de Dios, Peru and assessment of deforestation and degradation pressures.
- Compiled database and available literature of Brazil nut and timber harvests in concessions in Madre de Dios, Peru. Determine Brazil nut geographical distribution, land tenure, and land use.
- Coordinated field study of methods to assess the effects of forest fires on carbon stocks and biodiversity in forests in Madre de Dios.
- Produced Info/Policy Brief on Brazil nut allocation and land use planning.

- 2009-2011 **University of Florida, Gainesville, FL and Universidad Nacional Amazonica de Madre de Dios, Puerto Maldonado, Peru**
Postdoctoral Research Associate in Climate Change and Environmental Public Policies
- Capacity-building via research, training and extension activities related to climate change and environmental public policies at the local, regional public sector, and academic sector.
 - Collaborated with local and national counterparts on REDD policy process.
 - Developed research on REDD deforestation and degradation measurements and methodologies in the region of Madre de Dios, Peru.
 - Managed training certificate in Environmental Management, Environmental Services and M.R.V. (Monitoring, Reporting, and Verification).
 - Served as the President of Scientific Committee for the University Journal "Amazonian Biodiversity" and managed the Special Edition in 2011.
 - Organized and served as Conference Committee Director for the "2011 International Research Conference on Global Impacts: Toward a Future of Sustainable Forest and Society."
- 2008 **NSF-HSD Project, NSF Human and Social Dimensions Infrastructure Change, Human Agency, and Resilience in Social-Ecological Systems, Peru**
Funded Participant
- Performed semi-structured household questionnaires in the province of Tahuamanu, Southeastern Peru in collaboration with local counterparts.
- 2004–2008 **Florida Department of Agriculture, Gainesville, FL**
GIS Mapping Specialist
- Managed all the mapping services for the Florida Cooperative Agriculture Pest Survey program covering 67 counties;
 - Oversaw the design, layout and production of maps for surveys and documents of 4 offices throughout the state of Florida;
 - Performed spatial analysis of crop damage symptoms and suggested disease spread prediction for efficient pest detection and monitoring;
 - Managed database of the distribution of pests and diseases and assisted in field data collection.
- 2004-2005 **Compton Research Fellow, Iñapari, Peru**
Independent UF Researcher
- Collected field work data for PhD research based on ground truth data for Landsat and Aster satellite imagery and semi-structured farmer interviews.
 - Collaborated with local regional governmental institutions and logging concessions.
- 2001 – 2003 **University of Florida, Department of Geography, Gainesville, FL**
Teaching Assistant
- Lectured GEO 1010 Geography for a Changing World, class of 180 students.
 - Designed curriculum design and lecture material.
- 1997 – 2001 **Peru Verde NGO, Lima, Peru**
Director Community Development Program Lower Urubamba
- Promoted community development and participatory ecotourism activities and rain forest school project in Southeastern Peru
 - Assisted in protected area management of conservation and biodiversity projects;
 - Designed and organized participatory community workshops with local stakeholders;
 - Managed budget, day-to-day operations, funding, report and proposal writing;

- Responsible for the development of the German market clientele (design, pricing and selling of travel packages)
- Participated at international tourism fairs (ITB Berlin 1997 and 1998, Ecotourism Society 1997, Brussels, Milan)

- 1996 – 1997 **UNFCCC-Climate Change Secretariat, Bonn, Germany and Geneva, Switzerland**
Conference Consultant
- Prepared briefing and speaking notes for the Ad-Hoc Group on the Article 13 of the Convention
 - Edited drafts reports for the Chairman of each session during UN Conferences and for the final UN Document
 - In charge of the document “Mitigation Policy Frameworks for Implementing Adaptation Measures and Response Strategies of non-Annex Parties”.
- 1995 – 1996 **DSE, German Foundation for International Development, Mannheim, Germany**
Seminar Coordinator
- Coordinated capacity training programs in the field of social and economic development as commissioned by the Federal Ministry for Economic Cooperation and Development (BMZ)
 - Supervised and evaluated international participants in vocational and technical education
 - Lectured introductory classes on German history, society, and economics
 - Edited Program and Training Guide

ACADEMIC AWARDS, FELLOWSHIPS, AND TRAVEL GRANTS

- 2014 WCRP Conference for Latin America and the Caribbean (WCRP) Travel Award
2011 World Climate Research Programme (WCRP) Travel Award, (\$2,500)
2010 Fine Outreach for Science Gigapan Fine Fellow, CREATE Lab, Carnegie Mellon University
2009 IHDP, International Human Dimensions Programme on Global Environmental Change
2008 UF-NSF-HSD Fellowship, University of Florida, FL
2006 NASA/MSU Professional Enhancement Award
2005 McLaughlin Fellowship, University of Florida, FL (\$3 600)
2005 Graduate Student Council Travel Award, University of Florida, FL (\$250)
2005 Graduate School Research Travel Grant, University of Florida, FL (\$250)
2004 College of Liberal Arts & Sciences Travel Grant, University of Florida, FL (\$250)
2004 Department of Geography Travel Award, University of Florida, FL (\$ 250)
2004 Compton Fellowship in Environment and Sustainable Development (\$15 000)
2003 Tropical and Conservation Development Research Scholarship (\$1500)
2002 Tropical and Conservation Development Field Research Grant (\$2100)
1999 Dellplain Research Assistantship, Syracuse University, NY
1998 Joan De Sardon Glass Award Fellowship, Syracuse University, NY

PROFESSIONAL AWARDS

- 2008 **Prudential Davis Productivity Award** “Sustained Exemplary Team Performance Eagle Award”, Cooperative Agriculture Pest Survey Program, Florida Department of Agriculture
2008 **United States Department of Agriculture** “Certificate of Appreciation in recognition of superior efforts in support of the *Spodoptera litura* Incident Command in Miami-Dade County, Florida”.
2007 **United States Department of Agriculture** “Certificate of Appreciation for outstanding support to the Florida CAPS Red Palm Mite initiative during CY 2007”.
2006 **United States Department of Agriculture** “Certificate of Appreciation for outstanding contributions in support of the South West Florida HLB-Citrus Greening ICS emergency project”.
2006 **Florida Department of Agriculture & Consumer Services Division of Plant Industry** “Certificate of Appreciation for dedicated service during the Citrus Greening Survey Project”.

2005 **United States Department of Agriculture** "Certificate of Appreciation for outstanding contributions in support of the South Florida HLB-Citrus Greening ICS emergency project".

RELEVANT WORKSHOPS & TRAINING

19 – 22 October 2011, "**Early Career Scientist Assembly (ECSA)-National Center for Atmospheric Research (NCAR) Workshop.**" Regional Climate Issues in Developing Countries, Boulder, CO, USA
Participant

April – November 2011, "**Certificate in Environmental Management, Environmental Services and M.R.V. (Monitoring, Reporting, and Verification),**" Universidad Nacional Amazónica de Madre de Dios, World Wild Fund for Nature, Puerto Maldonado, Peru, Trainer and Organizer

August 2010 – November 2011, "**Analysis of Deforestation Rates by Logging Activities in the Southeastern Peruvian Amazon**" and "**Analysis of Degradation Methodologies at the Local and Regional Scales,**" Universidad Nacional Amazónica de Madre de Dios, Puerto Maldonado, Peru, Trainer and Organizer.

14-25 June 2010, "**PASI-Panamerican Advanced Studies Institute for the Integration of Research on Climate Change and Hazards in the Americas,**" Panama City, Panama, Participant

14 May 2010, "**Early Warning and the Vulnerability of Global Changes,**" Universidad Nacional Amazónica de Madre de Dios, Consorcio Madre de Dios-Pando, Iberia, Perú, Trainer

27 April 2010, "**Environmental Services and Reduction of the Emission from Deforestation and Degradation (REDD) in Madre de Dios,**" Regional Government of Madre de Dios, Universidad Nacional Amazónica de Madre de Dios, Consorcio Madre de Dios-Pando, Puerto Maldonado, Participant.

12-23 April 2010, "**NCAR-IAI Knowledge Innovation at the Science-Policy Interface Colloquium,**" San José, Costa Rica, Participant

25-26 March 2010, "**GPS Use and Map Interpretation,**" Universidad Nacional Amazónica de Madre de Dios, Consorcio Madre de Dios-Pando, Puerto Maldonado, Perú, Trainer

9-11 February 2010, "**Use, Application and Adaptation of the Hydroestimator Technology for Climate Change Monitoring in the MAP Region Training,**" Herencia Interdisciplinaria para el desarrollo sostenible, Cobija, Bolivia, Participant

10-11 December 2009, "**Carbon Measurement in Small-Scale Farms Workshop,**" Universidad Nacional Amazónica de Madre de Dios, Consorcio Madre de Dios-Pando and World Agroforestry Centre, Puerto Maldonado, Peru, Organizer

9-12 November 2009, "**Modeling of Land-Use Change using Dinamica-EGO,**" Universidade Federal de Minas Gerais (UFMG), Instituto de Pesquisa Ambiental da Amazônia (IPAM) and GOREMAD Puerto Maldonado, Perú, Participant

22 June – 3 July 2009, "**Bergen Summer Research School (BSRS), Climate, Environment, and Energy, "Framing Climate Change: Ethics, Vulnerability and the Poor,"** University of Bergen, Norway, Participant

24 September – 5 October 2007, "**Strategies to react to Global Change Impacts on Land Use in Latin America, Summer School, Integrated Resource Management in the Tropics,**" Institute of Agronomy in the Tropics and Subtropics, Georg-August-Universität Göttingen, Germany, Participant

3-6 January 2007, "**Advanced Certification & Auditor Training Workshop, The Rainforest Alliance / SmartWood Program,**" Gainesville, FL, USA, Participant

3 May 2006, "**Certificate of Training Incident Command System ICS 300, 200, 100,**" United States Department of Agriculture, Orlando, FL, USA, Participant

27 March 2006, "**Fragstats Training,**" Landscape Ecology Meeting, San Diego, CA, Participant

8 February 2003, "**Certificate of Training Trimble GPS Mapping and GIS with Asset Surveyor,**" Gainesville, FL, USA, Participant

16 July – 4 August 2000, "**Environmental and Social Implications of Land Use and Land Cover Change in the Americas, Summer Institute on Interdisciplinary Global Change Science in the Americas,**" the Inter-American Institute for Global Change Research (IAI), the University of Miami's Rosenstiel School of Marine and Atmospheric Science (UM-RSMAS), and the National Science Foundation (NSF), Miami, FL, USA, Participant

30 September – 8 October 1996, "**Summer School Human Climate and Environmental Changes - Biodiversity,**" Rheinische Friedrich-Wilhelms-Universität Bonn, Germany, Participant

1 March – 7 April 1995, "**United Nations Internship,**" Public Relations and Documentation Unit Information Service, United Nations, Geneva, Switzerland, Participant

13 October 1995, "**Communication and Rhetoric Certificate,**" University of Heidelberg, Participant

14 – 28 September 1992, "**Field Research Training,**" Morocco, Participant

12 March 1991, "**Anti-Stress-Coping with Positive Stress Situations Seminar,**" DVGS e.V, Bonn, Germany, Participant

December 1989 – May 1990, "**Press Freelance Seminar,**" Social Seminar of the Diocese of the Bishopric Osnabrück, Osnabrück, Germany, Participant

22 November – 22 December 1987, "**Hotel Management Trainee Program,**" Amazon Plaza Hotel, Iquitos, Peru, Participant

11 January – 18 March 1987, "**Trade Management Trainee Program,**" BASF S.A., Lima, Peru, Participant

PROFESSIONAL MEETINGS AND PRESENTATIONS

D. Salisbury, A. Bazán Gutiérrez, A. Fasanando Riveiro, C. Dougherty, C. Fagan and A. CHAVEZ MICHAELSEN, Poster "The Religion of Amazonian Roadbuilding: A Case Study of the Alto Purús Region of Peru". **Annual Meeting of the Association of American Geographers**, Boston, MA, USA April 5-9 April 2017

D. Salisbury, A. CHAVEZ MICHAELSEN and E. Díaz Zuñiga, Presentation "Regional Development and Climate Change in the Amazon Borderlands". **Conference of Latin American Geographers**, Fortaleza, CE Brazil. 26-30 May 2015

A. CHAVEZ, Invited Speaker "Gold mining in Peru". **Tropical and Conservation Development Amazon Seminar Course on Mining and Oil Extraction**. University of Florida Gainesville, FL. October 12th 2015

Chavez, Andrea, S. Han, E. Díaz Zuñiga, D. Salisbury and R. Baldoceda Astete, Poster "Understanding Land-use/Land-cover dynamics at local scales in the Yurua and Purus Region, Ucayali, Peru" **Annual Meeting of the Association of American Geographers**, Chicago, IL, USA, April 21-24 April 2015

- A. CHAVEZ, S. Han, E. Díaz Zuñiga, D. Salisbury and R. Baldoceca Astete, Poster, "Crossing Boundaries for Environmental Capacity Training and International Cooperation in Peru." **64th Annual Conference Envisioning a Sustainable Tropics**, University of Florida Center for Latin American Studies, Gainesville, FL, USA 25-27 March 2015
- A. CHAVEZ, S. Han, E. Díaz Zuñiga, D. Salisbury and R. Baldoceca Astete, Poster, "Conservation Capacity Building Efforts through Amazonian Higher Education in Peru". **Annual Meeting of the Association of American Geographers**, Tampa, Florida, USA, 8-12 April 2014
- A. CHAVEZ, L. Huamani Briceño, R. H. Vilchez Baldeon and R. Pinedo Mora, Poster, "Regional assessment of vulnerability to climate change in Madre de Dios from a local and sectorial perspective". **WCRP Conference for Latin America and the Caribbean – Developing, linking and applying climate change knowledge**, Montevideo, Uruguay, 17-21 March 2014
- A. CHAVEZ, Presentation, "Estudio socioespacial de deforestación de la carretera y extensión inter-oceánica tramo Iñapari-Iberia", **Encuentro Corredores socio-ambientales en la Amazonia Brasileira y Peruana**, Rio Branco, Brazil, 4-5 June 2013
- A. CHAVEZ, J. Díaz Salinas, R. Fernández Menis, L. Huamani Briceño and R. Moreno Santillán, Poster, "Comparación de Áreas deforestadas a través de varias metodologías en la Provincia de Tahuamanu, Madre de Dios, Perú". **XVI Simpósio Brasileiro de Sensoramento Remoto - SBSR**, Foz de Iguazú, Brazil, 13-18 April 2013
- A. CHAVEZ, Poster, "Land Use Land Cover Change Studies in Madre de Dios, Peru: Monitoring tools for detecting climate change impacts." **WCRP Open Science Conference: Climate Research in Service to Society**, Denver, USA, 24-28 October 2011
- A. CHAVEZ, Presentation, "Detección de 20 Años de Deforestación y Conversión de la Cobertura en el Sudeste del Perú", **III Simposio de Investigación y Monitoreo Biológico en Áreas Naturales Protegidas y el Corredor Biológico Manu-Tambopata en la Región Madre de Dios**, Universidad Andina del Cusco, Puerto Maldonado, Perú, 12-13 May 2011.
- A. CHAVEZ, Presentation, "Estudio de áreas deforestadas en la Provincia de Tahuamanu 2008 - 2010, Madre de Dios. Desafíos y Comparación de metodologías", **Conference on Fires in Western Amazonia: The Effects of Climatic, Social, Demographic, and Land Use Changes on Fire Incidence and Fire Hazard**, CERC CIFOR, Pucallpa, Peru, 19-22 August 2011.
- A. CHAVEZ, I.F. Brown, H. Fuentes, E. Pipa Cruz, J. Nakamura and L Zancanela do Carmo, Poster, "Inter-calibration of deforestation estimates in the tri-national Madre de Dios-Perú, Acre-Brasil, Pando-Bolivia (MAP) Region." **XV SBSR Simposio Sensoramento Remoto**, Curitiba, Brazil, 30 April – 5 May 2011.
- A. CHAVEZ, G. Alarcón, R. Pinedo Mora, H. Baca CusiHuaman, N. Bejar Chura, R. Fernández Menis, L. Huamani Briceño, E. Jurado Rojas, R. López Espinoza and F. Valera Tito, Presentation, "Detección de 20 años de Deforestación y Conversión de la Cobertura en el Sudeste del Perú" and Poster "Estudio de Tasa de Deforestación 2010 en la Provincia de Tahuamanu, Madre de Dios y los Impactos de la Extracción de Madera." **Primer Simposio Peruano de Sensoramento Remoto y Sistemas de Información Geográfica – CONIDA**, Lima, Perú, 22-24 September 2010
- A. CHAVEZ, Presentation, "Capacity-Building Initiatives in the Madre de Dios-Pando Consortia" **IAI/NCAR Colloquium Knowledge Innovation at the Science-Policy Interface**, San Jose, Costa Rica, 12-23 April 2010.

- A. CHAVEZ, Posters "Adopción de Políticas Públicas, Mejoras en Infraestructuras y Planes de Uso de la Tierra: El Caso de la Amazonia Peruana del Sudoeste" and "Manejo Multi-Institucional y Transfronterizo del Medio Ambiente: El Rol del Consorcio Madre de Dios – Pando." **VII Seminario Anual de Cooperación UFAC-UF Investigaciones entre Universidades para la Conservación y el Desarrollo Sostenible en la Amazonia**, UFAC, Rio Branco, Brazil, 8-9 July 2010
- A. CHAVEZ, Presentation, "Capacity Building Initiatives and Challenges in Madre de Dios, Peru: A Step to Climate Change Awareness." **PaleoTalk- Center for Tropical Paleoecology and Archaeology Smithsonian Tropical Research Institute**, Panama City, Panama, 23 June 2010.
- A. CHAVEZ and G. Selaya, Poster, "Capacity Building Efforts in the M-P Consortium in Southwestern Amazon." **Bridging Conservation and Development in Latin America and Africa: Changing Contexts, Changing Strategies**, Gainesville, FL, USA, 28-30 January 2010
- G. Selaya and A. CHAVEZ, Poster, "Transboundary and Multi-institutional Environmental Governance in Southwestern Amazon: Challenges of the M-P Consortium". **Bridging Conservation and Development in Latin America and Africa: Changing Contexts, Changing Strategies**, Gainesville, FL, USA, 28-30 January 2010
- A. CHAVEZ and R. Cossio, Poster, "The State of the Forest Management in the Peruvian Amazon: A Case Study of Madre de Dios." **XIII Congreso Forestal Mundial, Buenos Aires**, Argentina, 18-23 October 2009
- A. CHAVEZ and M. Binford, Presentation, "Landscape Dynamics of Amazonian Deforestation between 1986 and 2007 in Southeastern Peru: Policy Drivers and Road Implications." **Latin American International Association of Landscape Ecology**, Campos do Jordão, Brazil, 4-7 October 2009
- A. CHAVEZ, Presentation, "Land Conversion in Southeastern Peru: Land Use Land Cover Change Challenges and the Prospects of Road Paving." **7th International Science Conference on the Human Dimensions of Global Environmental Change, IHDP Open Meeting**, Bonn, Germany, 26-30 April 2009
- A. CHAVEZ, Presentation, "Conversion of Small Agricultural Areas in a Newly Emerged Frontier Region in Southeastern Peru: A Trajectory of Policy Intervention Scenarios and Land Use Dynamics." **Working Forest in the Tropics (WFT) Conference**, Gainesville, FL, USA, 5-7 October 2008
- A. CHAVEZ, Presentation, "Land Conversion along the Transoceanic Road Iñapari-Iberia: A Socio-Spatial Study of Forest Governance and Fragmentation." **Annual Meeting of the Florida Geographical Society**, Miami, FL, USA, 25-27 January 2008
- A. CHAVEZ, Presentation, "Land Conversion in Southeastern Peru: A Socio-Spatial Study of Land/Use Land/Cover Change" **Strategies to react to Global Change Impacts on Land Use in Latin America Summer School**, Integrated Resource Management in the Tropics, Institute of Agronomy in the Tropics and Subtropics, Georg-August-Universität Göttingen, Germany, 24 September – 5 October 2007
- D. Gaskill, A. CHAVEZ, M. Meadows, K. Griffiths, T. Smith, C. Welbourn and W. Dixon, Poster, "The Florida Cooperative Agricultural Pest Survey (CAPS) Program: Red Palm Mite Survey Monitoring through GIS." **Annual Meeting of the Florida Entomological Society**, Sarasota, FL, 15-18 July 2007
- A. CHAVEZ, D. Gaskill, T. Smith, and W. Dixon, Poster, "The Florida Cooperative Agricultural Pest Survey (CAPS) Program: Pest Detection Enhancement and Survey Monitoring through GIS." **Annual Meeting of the Florida Entomological Society**, Sarasota, FL, USA, 15-18 July 2007
- A. CHAVEZ, T. Smith, W. Dixon and D. Gaskill, Poster, "The Florida Cooperative Agricultural Pest Survey (CAPS) Program: Survey Monitoring and Pest Detection through GIS." **Seven Hills Regional User Group for GIS Workshop**, Tallahassee, FL, USA, 15-16 November 2006

A. CHAVEZ, Presentation, "Frontier Region MAP Cluster and People: Where Roads and Rivers Converge and People Diverge." **International Annual Meeting of the Association of Landscape Ecology**, San Diego, CA, USA, 28-30 March 2006

A. CHAVEZ, Presentation, "Land Use Land Cover Change Study along a Map Frontier." **Knowledge Exchange Train**, Brazil, Bolivia and Perú, 13-26 May 2006

A. CHAVEZ, E. Varona and B. Miller, Poster, "Citrus Greening Disease: A CAPS Survey in Florida of High Risk Areas through GIS and Demographic Census Data." **Annual Meeting of the Florida Entomological Society**, Fort Myers, FL, USA, 24-27 July 2005

A. CHAVEZ, Presentation, "Land Conversion along the Transoceanic Road Iñapari-Iberia: Road Extension and Forest Fragmentation." **Annual Meeting of the Association of American Geographers**, Denver, Colorado, USA, 5-9 April 2005

A. CHAVEZ, Presentation, "Land Conversion along the Transoceanic Road Iñapari-Iberia: A Socio-Spatial Study of Road Extension and Forest Fragmentation." **International Annual Meeting of Association of Landscape Ecology**, Syracuse, NY, USA, 12-16 March 2005

A. CHAVEZ, Presentation, "The Impact of Farmers and Logging Activities along the Transoceanic Road in Southeastern Peru." **Annual Meeting of the Florida Geographical Society**, Orlando, FL, USA, 4-6 February 2005

A. CHAVEZ, Presentation, "A region on the Move: The Impact of the Transoceanic Road in Southeastern Peru." **Annual Meeting of the Association of American Geographers**, New Orleans, LA, USA, 4-8 March 2003

A. CHAVEZ, Presentation, Land Use Land Cover Change Data Analysis in the Frontier Region." **Trinational Meeting Map Region, (IV Forum Trinacional: Construyendo una historia de cooperación para el desarrollo de la Región MAP)**, Epistaciolandia, Brazil, 15-18 August 2003.

A. CHAVEZ, Presentation, "Impact of Road Construction on Indigenous Communities along the Peruvian Border." **Trinational Meeting MAP Region, (III Forum Trinacional: De fronteras de separación a fronteras de cooperación)**, Cobija, Bolivia, 9-12 September 2002

A. CHAVEZ, Presentation, "Use of Remote Sensing for Monitoring Land Use in Indigenous Territories in the Peruvian Amazon." **Annual Meeting of the Association of American Geographers**, New York, NY, USA, 24-28 February 2001

A. CHAVEZ, Presentation, "Eco-development in the Lower Urubamba Valley from a Peruvian NGO Perspective." **Annual Meeting of the Association of American Geographers**, Honolulu, Hawaii, USA, 23-27 March 1999

PUBLICATION

Non-Peer Reviewed Publications and Reports

Salisbury, D., Leal, D.B, **Chávez Michaelsen**, A.B., Balbín Ordaya, B., Flores de Melo, W., Tipula Tipula, P. (2013) 'Cartografía, corredores y cooperación: la búsqueda de soluciones transfronterizas en las fronteras amazónicas'. *Revista Cartográfica*, N° 89 – 2013, Lima, Perú.

Chavez, A. Guariguata, M. R., Cronkleton, P., Menton, M., Capella, J.L., Araujo, J.P. and J. Quaedvlieg (2012) 'Superposición espacial en la zonificación de bosques en Madre de Dios.' *Infobrief* No. 58. Bogor, Indonesia: Center for International Forestry Research (CIFOR).

Chávez Michaelsen, A., F. Valera Tito, N. Bejar Chura and G. Alarcón (2011) 'La Deforestación en la Amazonia Peruana y en Madre de Dios.' *Consortio MP-UNAMAD*, Universidad Nacional Amazónica de Madre de Dios, Puerto Maldonado, Perú.

Chávez Michaelsen, A., N. Bejar Chura, F. Valera Tito and G. Alarcón (2011) 'Sistematización de Metodologías de Degradación en Madre de Dios.' *Consortio MP-UNAMAD*, Universidad Nacional Amazónica de Madre de Dios, Puerto Maldonado, Perú.

Chávez Michaelsen, A., N. Bejar Chura, F. Valera Tito and G. Alarcón (2011) 'Visión Global y Nacional sobre la Deforestación y Degradación.' *Consortio MP-UNAMAD*, Universidad Nacional Amazónica de Madre de Dios, Puerto Maldonado, Perú.

Chavez Michaelsen, A., R. Fernandez Menis, L. Huamani Briceño and G. Alarcón (2011) 'Estudio de Áreas Deforestadas en la Provincia de Tahuamanu 2010: Desafíos para el Análisis de una Línea de Base Regional.' *Consortio MP-UNAMAD*, Universidad Nacional Amazónica de Madre de Dios, Puerto Maldonado, Perú.

Chavez Michaelsen, A., L. Huamani Briceño, R. Fernández Menis and G. Alarcón (2011) 'Mapas de Áreas Deforestadas en la Provincia de Tahuamanu 2010.' *Consortio MP-UNAMAD*, Universidad Nacional Amazónica de Madre de Dios, Puerto Maldonado, Perú.

Solis, P. et al. (2011) 'Climate change and hazards in the Americas. International interdisciplinary research directions and opportunities.' *Association of American Geographers*, Washington, D.C.

Chavez, A., T. Smith and W. Dixon (2008) 'Pest Detection Enhancement and Survey Monitoring through GIS in Florida,' *ArcNews* Winter 2007-2008: 20

Aviles-Vazquez, K., **A. Chavez**, P. Donoso, R. Hodgetts and D. Lopez (1999) 'Critical Analysis of Maize in Mexico: Some Environmental Implications of the North-American Free Trade Agreement,' Report to the Commission of Environmental Cooperation Joint Public Advisory Committee Session 8 May 1999, No99-02.

Peer Reviewed Publications

Chávez, A., L. Huamani Briceño, H. Vilchez Baldeon, S. Perz, J. Quaedvlieg, R.O. Rojas, F.I. Brown and R. Pinedo Mora (2020). 'The effects of climate change variability on rural livelihoods in Madre de Dios.' Accepted. *Regional Environmental Change*. DOI: 10.1007/s10113-020-01649-y

Chávez, A., S. Perz, L. Huamani Briceño, R. Fernández Menis, N. Bejar Chura, R. Moreno Santillan, J. Diaz Salinas and F.I. Brown (2017) 'Effects of drought on deforestation estimates from different classification methodologies: Implications for REDD+ and other payments for environmental service programs,' *Remote Sensing Application: Society and Environment*, Vol. 5, pp. 36-44.
<https://doi.org/10.1016/j.rsase.2017.01.003>

Perz, S., Espin, J, Castillo, J., **Chavez, A.**, Rojas, R. (2016) 'Ideal Type Theories and Concrete Cases in Land Science: A Multi-step Appraisal of the Evolutionary Theory of Land Rights in Madre de Dios, Peru,' *Land UsePolicy*, Vol 58, pp. 9-20. <https://doi.org/10.1016/j.landusepol.2016.07.008>

Perz, S., Castro, W., Rojas, R., Castillo, J., Brown, I.F. **Chávez Michaelsen, A.** et al. (2016) 'La Amazonia como un Sistema Socio-ecológico: Las Dinámicas de Cambios Complejos Humanos y Ambientales en una Frontera Tri-Nacional'. Young, K. and J. Postigo (Eds) *Naturaleza y Sociedad: Perspectivas Socio-Ecológicas sobre Cambios Globales en América Latina*. Desco, INTE-PUCP, IEEP.

Villacorta Portocarrero, W.; Panduro Pisco, G.; Manturano Pérez, R.; **Chávez Michaelsen, A.B.** (2015) 'Evaluación de la densidad poblacional de *podocnemis unifilis* en una comunidad yaminahua de la Amazonía peruana'. Investigación Universitaria, *Revista de la Universidad Nacional de Ucayali*, Edición Especial, Julio 2015.

Arbaiza Peña, K.A.; Panduro Pisco, G.; **Chávez Michaelsen, A.B.**; Manturano Pérez, R. (2015) 'Evaluación de la población y aprovechamiento de las tortugas *podocnemis expansa* y *podocnemis unifilis* en las cabeceras del río Yuruá de la Amazonía peruana'. Investigación Universitaria, *Revista de la Universidad Nacional de Ucayali*, Edición Especial, Julio 2015.

Ríos, S., **Chávez Michaelsen**, A., Saito, J. et al. (2015) 'Estudio de áreas deforestadas 2005 al 2011 en la Cuenca del Río Abujao, Provincia de Coronel Portillo, Distrito de Calleria, Región de Ucayali, Perú' *Investigación Universitaria, Revista de la Universidad Nacional de Ucayali*, Edición Especial, Julio 2015.

Chávez Michaelsen, A., E. Broadbent and A. Almeyda (2014) 'Smallholder policy adoption and land cover change in the southeastern Peruvian Amazon: A twenty-year perspective.' *Applied Geography*, Vol. 53, pp. 223-233. <http://dx.doi.org/10.1016/j.apgeog.2014.06.017>

Perz, S., **Chavez**, AB., Cossio, R., Hoelle, J., Leite, FL., Rocha, K., Rojas, RO., Shenkin, A., Araujo Carvalho, L., Castillo, J. and D. Rojas (2014) 'Trans-boundary infrastructure, access connectivity, and household land use in a tri-national frontier in the Southwestern Amazon.' *Land Use Science*, Vol. 10, Issue 3. pp. 342-368 DOI: 10.1080/1747423X.2014.898104

Chavez, A. and R. Cossio (2014) 'Linking national forestry reform and actual timber management in Southeastern Peru.' *Small-Scale Forestry*, Vol. 13, pp. 349-366. DOI 10.1007/s11842-013-9258-y

Chavez, A. and S. Perz (2013) 'Policy adoption, infrastructure upgrades, and land use plans: The case of Southeastern Peru.' *Geoforum*, Vol. 50, pp. 138-148. Doi:10.1016/j.geoforum.2013.09.003

Chavez, A. B. (2014) 'Landscape dynamics of Amazonian deforestation between 1986 and 2007 in Southeastern Peru: Policy drivers and road implications.' *Land Use Science*, Vol. 9, Issue 4, pp. 414-437 <http://dx.doi.org/10.1080/1747423X.2013.807310>

Chávez Michaelsen, A., L. Huamani Briceño, R. Fernández Menis, N. Bejar Chura, F. Valera Tito, I.F.Brown, S. Perz, S. Dominguez del Aguilar, G. Alarcón and R. Pinedo (2013) 'Regional deforestation trends within local realities: Land-cover change in Southeastern Peru 1996-2011.' *Land*, Vol. 2, pp. 131-157. Doi:10.3390/land2020131

Chavez, A. and S. Perz (2012) 'Adoption of policy incentives and land use: Lessons from frontier agriculture in Southeastern Peru.' *Human Ecology*, Vol. 40, 4, pp. 525-539. 10.1007/s10745-012-9494-3

Duchelle, A. E., M.R. Guariguata, G. Less, M.A. Albornoz, **A. Chavez** and T. Melo (2012) 'Evaluating the opportunities and barriers to multiple use of Brazil nuts and timber in Western Amazonia.' *Forest Ecology and Management*, Vol. 268, pp. 39-48. doi: 10.1016/j.foreco.2011.05.023

Perz, S.G., S. Brillhante, F.I. Brown, **A. Chavez Michaelsen**, E. Mendoza, V. Passos, R. Pinedo, J.F. Reyes, D. Rojas and G. Selaya (2010) 'Crossing Boundaries for Environmental Science and Management: Challenges to Interdisciplinary, Inter-Institutional, and International Collaboration.' *Environmental Conservation*, Vol. 37, 4, pp. 419-431. <https://doi.org/10.1017/S0376892910000810>

Perz, S., E. Mendoza, C. Aguilar, F. Brown, G. Alarcón, J. Carballo, **A. Chávez**, J. Chávez, G. Cullman, M. de los Ríos, A. Duchelle, H. Dueñas, C. Ehringhaus, J. Luzar, M. Marsik, J. Mayna, A. Muñante, V. Reis, and C. van Oosten (2007) 'The Knowledge Exchange Train: a model for capacity building for participatory governance in the south-western Amazon,' *Development in Practice*, Vol. 17 (6), pp. 791-799. <https://doi.org/10.1080/09614520701628451>

SCHOLARLY PEER REVIEW

Peer Reviewer for Applied Geography, Small Scale Forestry, Journal of Forestry, Geoforum, Polibotánica, Human Ecology, Biodiversidad Amazónica, Antropológica, Ecology and Society, Global Change Biology, Environmental Research Letters, Journal of Sustainable Forestry, Landscape and Urban Planning, UNEP GEO5 Global Environmental Outlook.

SKILLS

- Languages: Fluent (spoken and written) in English, Spanish, German, and French. Knowledge of working Portuguese
- Computers: Knowledge of IBM-PC/Mac compatible hardware and software, Windows 10 and 2010 Microsoft Office, GIS ArcMap 10.3, Spatial Analyst, ArcPad, ERDAS Imagine 9.3, Idrisi Andes, Freehand, FrontPage, Fragstats 3.3, Systats, SPSS 14.0, Adobe InDesign CS, Dreamweaver, DeLorme Mapping, Dinamica-Ego 1.4.0, ENVI 4.7, SPRING 5.1.8, Forest Canopy Density (FCD) Mapper Ver2, CLASlite v.2.2, Diva GIS 7.3.0,

PROFESSIONAL AFFILIATIONS

- Association of American Geographers
- International Geographical Union
- GIS Corps
- International Association of Landscape Ecology
- Human Dimensions Programme on Global Environmental Change
- Florida Geographical Society
- Heidelberger Geographical Society
- Society for Conservation GIS
- American Society for Photogrammetry and Remote Sensing