

EDUCATION

- Aug. 2009 **PhD, Interdisciplinary Ecology**, University of Florida (UF), Gainesville, FL
Concentration in Tropical Conservation and Development (TCD), Dissertation: *Participatory land use planning in the Brazilian Amazon: Creating learning networks among farmers, non-governmental organizations, and government institutions*. Advisor: Dr. Marianne Schmink (Anthropology)
- Aug. 2002 **Master of Arts in Mass Communication (M.A.M.C.)**, UF, Science Communication
Thesis: *Defining agricultural biotechnology: A framing analysis of newspaper coverage of the Starlink corn incident in the United States from August 2000 to December 2000*.
Advisor: Dr. Debbie Treise (Journalism and Communication)
- Dec. 1992 **Postgraduate Honors in Botany and Molecular Genetics**, Stellenbosch University, South Africa.
Thesis: *The evolution of corn*
- Dec. 1991 **B.S. Botany**, Stellenbosch University, South Africa

RESEARCH POSITIONS

- July 2016 **Research Assistant Scientist**, School of Forest Resources and Conservation (SFRC), UF
– present
- Dec. 2012 – **Assistant Research Scientist**, Department of Agricultural & Biological Engineering (ABE), UF
June 2016
- Aug. 2009 – **Post-doctoral Research Associate**, Department of Agricultural Education and Communication at UF
Nov. 2012

TEACHING EXPERIENCE

- July 2016 Project Team Member: **Florida Natural Resources Leadership Institute (NRLI)**
UF & SFRC Extension program builds capacity among natural resource professionals across Florida in the concepts, tools, and techniques required to manage conflict and reach consensus over contentious natural resource issues. Fellow of NRLI Class III
- June 2008 Professor: **Amazon Conservation Leadership Initiative (ACLI)** through UF - SFRC & TCD.
– March 2016 Co-designed and taught graduate-level specialization field courses for Amazonian NGO leaders, scholars, and community members. Course topics: Municipal governance, Resilience concepts & tools, Collaboration Skills. Funded: Moore Foundation & Porticus
- Jan-May 2005 Co-Instructor: **Collaboration and Conflict Management** course for TCD (UF)
Co-designed and co-taught graduate-level, experiential skills course with Jonathan Dain, focused on concepts, strategies and tools for understanding and managing socio-environmental conflicts

COLLABORATIVE RESEARCH PROJECTS

- 2015 –
June 2016 **Understanding Participation within Basin Area Teams (BATs). A Decade of Cooperation in the Suwannee River Partnership (SRP) Educational Team.** Funded by Florida Department of Agriculture and Consumer Services (FDACS). Research Goal: Explore the dynamics of participation in this inter-agency-university partnership network focused on BMP implementation to inform the coordination and evaluation of similar multi-stakeholder networks state-wide.
PI: Bartels and Mace Bauer (Columbia County Extension).
- 2014 –
Present **Agricultural model inter-comparison and improvement project (AgMIP): Improving simulation of climate change risk and adaptation strategies for the agricultural sector.** Funded by UK-AID DIFID (Dept. of International Development) Research Goal: Lead stakeholder engagement, process design, and monitoring in eight pilot countries in sub-Saharan Africa and South Asia where teams of interdisciplinary modelers are conducting integrated regional agricultural assessments.
PI: Cynthia Rozensweig, Columbia University and Jim Jones, (ABE), UF.
- 2011 –
Present **National Institute of Food and Agriculture (NIFA), *Pine Integrated Network: Education, Mitigation, and Adaptation project (PINEMAP)*.** Funded by USDA \$20 million Coordinated Agriculture (CAP) Project. Research Goal: Conduct formative project evaluation using social network analysis to examine the social processes associated with collaboration and integration among scientists from multiple institutions (i.e. Team Science). PI: Tim Martin, (SFRC), UF.
- 2010 –
Present **National Institute of Food and Agriculture (NIFA), *Climate variability to climate change: Extension challenges and opportunities in the Southeast USA*.** USDA-NIFA Project. Research Goal: Examine the effectiveness of working groups as venues that link scientists with practitioners for the co-creation of decision support info & tools. Case study: *“Tri-state Row Crop Climate Learning Network”*
PI: Clyde Fraise, (ABE), UF.
- 2014-
2015 **Training and networking to strengthen municipal governance in the Amazon.**
Capacity-building field course for NGO professionals in Brazil funded by Porticus Latin America.
PI. Robert Buschbacher, TCD, UF.
- 2010 –
2014 **Florida Water and Climate Alliance (Florida WCA)**
Funded by National Oceanic & Atmospheric Administration (NOAA) *CSI-Water*. Research Goal: Assess the conditions that facilitate and constrain stakeholder interaction and learning among representatives from water utilities, water management districts and academia. PI: Wendy Graham, UF Water Institute.
- June 2012 –
Dec. 2013 **CGIAR Climate Change, Agriculture and Food Security (CCAFS) *Gender and participatory action research*.** Collaborated to develop appropriate participatory action research methodologies, with a particular focus on gender and social equitability, at the CCAFS research sites across East and West Africa and South Asia. PI: Jim Hanson, Theme Leader for Adaptation through Managing Climate Risk, CIAT, and Sandra Russo at the UF International Center.

PUBLICATIONS

PEER-REVIEWED

- Prokopy, L.S., **Bartels, W.**, Burniske, G., and Power, R. (in review) **Agricultural Extension and Climate Change Communication** in *Oxford Research Encyclopedia of Climate Science* (Submitted March 2016).
- Furman, C.A. and **W. Bartels** (in review). **Climate histories in black and white: Contextualizing climate services through anthropology.** *Practicing Anthropology* (Submitted Dec. 2015).
- Bartels, W.** et al. 2016. **Who Counts Resilience and Whose Resilience Counts? Reflections on Applying the Resilience Alliance Workbook along a Contested Amazonian Frontier.** 2016. *Sustentabilidade em Debate*. Vol.7 #2.
- Athayde, S., Bernasconi, P., **Bartels, W.**, Seluchinesk, R. and R. Buschbacher. 2016. **Socio-ecological Resilience Assessment as a Tool for Management of the Amazonian Frontier: Experiences and Reflections.** *Sustentabilidade em Debate*. Vol.7 #2.
- Buschbacher, R., Athayde, S., **Bartels, W.**, Mello, R. 2016. **Resilience Assessment as a Tool for Understanding the Amazon Frontier as a Social-Ecological System.** *Sustentabilidade em Debate*. Vol.7 #2.
- Dourte, D.R., **Bartels, W.** and C.W. Fraisse 2015. **Exploring changes in rainfall intensity and seasonal variability in the Southeastern U.S.: Stakeholder engagement, observations, and adaptation.** *Climate Risk Management*. Volume 7, 2015, Pages 11–19
- Diehl, D.C., Sloan, N.L., Galindo-Gonzalez, S. **Bartels, W.**, Dourte, D.R., Furman, C.A. and C.W. Fraisse. 2014. **Toward Engagement in Climate Training: Findings from Interviews with Agricultural Extension Professionals.** *Journal of Rural Social Sciences*, 29(3), 2014, pp. 25–47.
- Arnold, J.S. and **W. Bartels**. 2014. **Participatory Methods to Promote Learning and Adaptation.** Chapter in *Beyond Decentralization: Adaptive Cross-scalar Governance of Natural Resources*. Eds. G. Barnes and B. Child. Earthscan
- Athayde, S. F., **Bartels, W.**, Buschbacher, R., and R. D. R. Seluchinesk. 2014. **Collaborative Learning, Transdisciplinarity and Socio-environmental Management in the Amazon: Approaches to Knowledge Production between Academy and Society.** *Revista Brasileira de Pós-Graduação (RBPG)*, special issue on “The Contribution of Graduate Education for Sustainable Development in Brazil”
- Krantz, S. Monroe, M. and **W. Bartels**. 2014. **Creating Extension programs for change: Forest landowners and climate change communication.** *Applied Environmental Education and Communication* 12(4):272-279.
DOI <http://dx.doi.org/10.1080/1533015X.2013.876305>
- Furman, C., C. Roncoli, **W. Bartels**, H. Crockett, Gray, M. Boudreau, G. Hoogenboom. 2014. **Drought in the Deep South: Climate Services for African American Farmers.** *Climate Risk Management* Vol. 2, 2014, Pages 11–25. DOI <http://dx.doi.org/10.1016/j.crm.2014.02.002>
- Asseng S., **W. Bartels**, K.J. Boote, N.E. Breuer, D. Cammarano, C.C. Fortuin, C.W. Fraisse, C.A. Furman, G. Hoogenboom, K.T. Ingram, J.W. Jones, D. Letson, B.V. Ortiz, M. Risse, S.D. Shuford, and D. Solis. 2013. **Agriculture and climate change in the Southeast USA.** pp 128-147. In K.T. Ingram, K. Dow, L Carter, J. Anderson (eds.). *Climate of the Southeast United States: Variability, Change, Impacts, and Vulnerability*. Island Press, Washington D.C.
- Bartels, W.**, Furman, C.A., Diehl, D.C., Royce, F.S., Dourte, D.R., Ortiz, B., Zierden, D.F., Irani, T.A. Fraisse, C.W., and J.W. Jones. 2012. **Warming up to climate change: A participatory approach to engaging with agricultural stakeholders in the Southeast US.** *Journal of Regional Environmental Change*. DOI 10.1007/s10113-012-0371-9
- Arnold, J.S. Koro-Ljungberg, M. and **W. Bartels**. 2012. **Power and Conflict in Adaptive Management: Analyzing the Discourse of Riparian Management on Public Lands.** *Ecology and Society*. 17(1): 19.
- Ingram, K.T., Jones, J.W., O'Brien, J.J., Roncoli, M.C., Fraisse, C., Breuer, N.E., **Bartels, W.**, Zierden, D., and D. Letson. 2012. **Vulnerability and adaptability of agricultural systems in the Southeast USA to climate variability and climate change.** Chapter 3 in S.C. Pryor (Ed.) *Climate Change in the Midwest: Impacts, Risks, Vulnerability and Adaptation*. Indiana University Press, Bloomington, IN.

- Bartels, W.**, Schmink, M.A., Borges, E.A., Duarte, A. P., and H. D. S. S. Arcos. 2011. **Diversifying livelihood systems, strengthening social networks, and rewarding environmental stewardship among small-scale producers in the Brazilian Amazon: Lessons from Proambiente.** Chapter in *Payments for Environmental Services, Forest Conservation and Climate Change: Livelihoods in the REDD?* Tacconi L., Mahanty S., Suich H. (eds.) Edward Elgar, Cheltenham
- Jones, J.W., **Bartels, W.**, Fraisse, C., Boote, K.J., Ingram, K.T. and G. Hoogenboom. 2010. **Use of Crop Models for Climate-Agricultural Decisions.** Chapter in *Climate Change and Agroecosystems: Impacts, Adaptation, and Mitigation*, D. Hillel and C. Rosenzweig (eds.). Imperial College Press, London UK.
- Duchelle, A.E, Biedenweg, K., Lucas, C., Virapongse, A., Radachowsky, J., Wojcik, D., Londres, M., **Bartels, W.**, Alvira, D. and K.A. Kainer. 2009. **Graduate students and knowledge exchange with local stakeholders: Possibilities and preparation.** *Biotropica* 41(5): 578–585
- Gomes, V.A.; **Bartels, W.**, Schmink M., Pereira Duarte, A., Domingo. S. S. Arcos, H. 2008. **Planning Sustainable Futures with Small Producers: The Proambiente Program in the Pólo Alto Acre Region.** Chapter in *O Manejo da Paisagem e a Paisagem do Manejo*. Ed. Nurit Bensusan. Brasília: IIEB

TECHNICAL REPORTS & OUTREACH

- Furman, C.A., **Bartels, W.** and J. Bolson. 2016. **Diversity, process, and partnerships: Enhancing climate change adaptation through meaningful stakeholder engagement** USDA/NIFA Climate & Extension Project Fact Sheet. Available online: <http://www.seclimate.org/wp-content/uploads/2014/07/2016-Furman-et-al.pdf>
- McOmer, C., Panikowski, A., McKune, S., **Bartels, W.**, Russo, S. 2013. **Investigating Climate Information Services through a Gendered Lens.** CCAFS Working Paper no. 42. CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS). Copenhagen, Denmark. Available online at: www.ccafs.cgiar.org
- Agriculture and Forestry in a Changing Climate: Adaptation Recommendations.** 2013. Working Paper of the 25x'25Adaptation Initiative Work Group. [http://www.nresolutions.com/Adaptation/Agriculture and Forestry in a Changing Climate - Adaptation Recommendations.pdf](http://www.nresolutions.com/Adaptation/Agriculture_and_Forestry_in_a_Changing_Climate_-_Adaptation_Recommendations.pdf)
- Bartels, W.**, Furman, C.A., Royce, F, Ortiz, B., Zierden, D., and C. Fraisse. 2012. **Developing a learning community: Lessons from a climate working group for agriculture in the southeast USA.** Southeast Climate Consortium Technical Report Series: 12-002:00-00
- Bartels, W.**, Furman, C.A. and F. Royce. 2012. **Agricultural Adaptation to Climate Variability and Change among African American growers in the Southeast USA.** Southeast Climate Consortium Technical Report Series: 12-003:00-00
- NOAA feature story. 2012. **“Innovative farmers look to climate forecasts for an edge”** <http://www.climatewatch.noaa.gov/article/2012/innovative-farmers-look-to-climate-forecasts-for-an-edge>
- Bartels W.**, Arnold J, Breuer NE, Furman CA, Staal L, Irani TA, and JW Jones. 2011. **Supporting dialog and learning among stakeholders through climate working groups.** Southeast Climate Consortium Technical Report Series: 12-001:00-00.

ADVISORY ROLES

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| 2013-2015 | Steering Committee Member: Tropical Conservation and Development Program |
| May 2013 | Proposal Reviewer: NOAA |
| 2011 – 2013 | Advisory Committee Member: Project Learning Tree Climate and Forestry Curriculum (PINEMAP) |
| 2011 – 2012 | Advisory Committee Member: 25x 25 Alliance Adaptation Work Group Advisors. Communications & engagement team: Co-development of an Adaptation plan to reach stakeholders for <i>25x'25 America's Energy Future</i> , a national agriculture and forestry network. Lead: Ernie Shea www.25x25.org |