

Maggie R. Davis

Post-Masters Research Associate

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Education and Training

2011 University of Tennessee, Forestry Wildlife and Fisheries Sciences, Masters of Science

Thesis title: Integrating Eucalyptus and Forest-Corridors around the Serra do Brigadeiro, Brazil.

2007 University of Tennessee, Economics and Geography, B.A.

Research and Professional Experience

2011 Post-masters Research Associate, Environmental Sciences Division, Oak Ridge National Laboratory (ORNL). Projects: (1) Brazil Collaborations on Sustainable Production Pathways and Land-Use Change Analysis project, (2) International Standards and Global Issues affecting Sustainability of Biofuels: i) Official Secretary for the ISO TC 248 (“sustainability criteria for bioenergy”) Working Group 4 (“Indirect Effects”), ii) Contributing Expert to ISO TC 248 Working Group 3 (“Environmental, Economic, and Social Aspects”)

2010 Year-long study in Viçosa, Minas Gerais, Brazil: Field research (Economic Study - Integrating Eucalyptus & Forest-Corridors, Land-Use Change) & Graduate study at the Federal University of Viçosa, Forestry Department (specialization in eucalyptus)

2006-2010 Research Specialist II - The University of Tennessee’s Institute for a Secure & Sustainable Environment (ISSE). Program coordinator for projects totaling \$1,000,000 for all years: 1) ETN Teacher Excellence program- a NSF Math-Science Partnership program focused on STEM education, 2) Conservation Consciousness- an ALCOA funded project with monthly lectures focused on alternative energy, 3) Online Energy-Education Course- TVA funded online course developed to educate the public on alternative energy sources as part of their “green-power switch” program

2007-2008 Short-term work in Geographic Information Science: 1) Post-bachelors researcher: GIST department, Oak Ridge National laboratory, 2) analyst & researcher: USGS Southern Appalachian Field Lab–Appalachian Man & Biosphere Program

Publications

1. Dale V.H., Efroymsen R.A., Kline K.L., Langholtz M.H., Leiby P.N., Oladosu G.A., Davis M.R., Downing M.E., Hilliard M.R. (2013). Indicators for assessing socioeconomic sustainability of bioenergy systems: A short list of practical measures. *Ecological Indicators* 26: 87-102. Available online November 2012: <http://dx.doi.org/10.1016/j.ecolind.2012.10.014>
2. Oladosu G, Kline K, Leiby P, Uria-Martinez R, Davis M, Downing M and Eaton L. 2012. Global economic effects of US biofuel policy and the potential contribution from advanced biofuels. *Future Science – Biofuels* 3(6):703-723.
3. J. Peine, B. Jacobs, K. Franzreb, M. Stevens, 2011. *Ecosystem Management - The Law and Politics of Sustainability*, Berkshire Encyclopedia of Sustainability.

Awards and Recognition

1. 2010 - Rotary Ambassadorial Research Scholarship (\$24,000).
2. Undergraduate Student Publication Award, Department of Geography, The University of Tennessee: Jessica D. Slayton, Maggie R. Stevens, Henri D. Grissino-Mayer, and Charles H. Faulkner (2009). The Historical Dendroarchaeology of Two Log Structures at the Marble Springs Historic Site, Knox County, Tennessee, U.S.A. *Tree-Ring Research* 65(1): 23–36.

Language

Strong command of Portuguese: 1+ year of private training, 1 year of immersion, work experience

Working knowledge of Spanish: travel experience-Spanish-speaking countries, formal training

Synergistic Activities

Domestic Professional Experience:

- 1) Served as an official US delegate to the international plenary at Argonne National Laboratory (4/2012) for International Organization for Standardization (ISO) Project Committee 248 – Sustainability Criteria for Bioenergy
- 2) Contributions to over 20 international conference calls in 2012 to establish Environmental, Economic, and Social Indicators of bioenergy sustainability (duties as a contributing Expert to ISO TC 248 Working Group 3)
- 3) Organized and led international multiple webinars as Official Secretary to Working Group 4 (“Indirect Effects”) for the ISO TC 248

International Professional Experience:

- 4) Formal presentations to international and professional conferences in Argentina and Brazil
- 5) Formal presentations in Portuguese & community outreach projects in MG & RJ Brazil
- 6) Professional Exchanges in Argentina & Brazil with members of FAPESP, ICONE, CTBE, USP, IRAM, the Canadian Bioenergy Corporation, and others involved in bioenergy certification
- 7) Identified to serve as an official US delegate to the international plenary at The University of the Sunshine Coast, Queensland Australia (1/2013) for International Organization for Standardization (ISO) Project Committee 248 – Sustainability Criteria for Bioenergy