

## MARIA SUSANNAH BOWMAN

SUSTAINABLE LIVESTOCK ECONOMICS FELLOW, NATURAL RESOURCES DEFENSE COUNCIL  
VISITING SCHOLAR, ENERGY BIOSCIENCES INSTITUTE, UC BERKELEY

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### EDUCATION

Ph.D., Agricultural and Resource Economics, University of California, Berkeley (2013)  
M.S., Forestry, Virginia Polytechnic Institute and State University (2006)  
B.S., Environmental Science, Juniata College (2004)

### SELECTED JOURNAL ARTICLES

**Bowman, M.** and Zilberman, D. (2013). Economic factors affecting diversified farming systems. *Ecology and Society* 18(1).  
**Bowman, M.**, Soares-Filho, B., Merry, F., Nepstad, D., Rodrigues, H., Almeida, O. (2012). Persistence of cattle ranching in the Brazilian Amazon: a spatial analysis of the rationale for beef production. *Land Use Policy* 29(3): 558-568.  
Soares-Filho, B., Moutinho, P., Nepstad, D., Anderson, A., Rodrigues, H., Garcia, R., Dietzch, L., Merry, F., **Bowman, M.**, Maretti, C. Hissa, L. (2010). The role of Brazilian Amazon protected areas in climate change mitigation. *Proceedings of the National Academy of Sciences* 107(24): 10821–10826.  
Nepstad, D., Soares-Filho, B., Merry, F., Lima, A., Moutinho, P., Carter, J., **Bowman, M.**, Cattaneo, A., Rodrigues, H., Schwartzman, S., McGrath, D., Stickler, C., Lubowski, R., Piris-Cabezas, P., Rivero, S., Alencar, A., Almeida, O., Stella, O. (2009). The End of Deforestation in the Brazilian Amazon. *Science* 326: 1350-1351.  
Amacher, G., Merry, F., **Bowman, M.** (2009). Smallholder timber sales on the Amazon Frontier. *Ecological Economics* 68: 1787-1796.  
**Bowman, M.**, Amacher, G., Merry, F. (2008). Fire use and prevention by traditional households in the Brazilian Amazon. *Ecological Economics* 67(1): 117-130.

### SELECTED WORKING PAPERS

**Bowman, M.** (2013) Certification as Foot-and-Mouth disease-free caused new deforestation in Brazilian Amazon and cerrado municipalities from 2000-2010.  
Amacher, G., Kuusela, O., **Bowman, M.**, Howarth, R., Laporte, N., Fiske, G. (2013). Buffering stochastic and efficiency shocks: the importance of natural resources access to rural subsistence households in Sofala, Mozambique. [Revise and Resubmit, *World Development*]  
Cohn, A., **Bowman, M.**, Zilberman, D., O'Neill, K. (2011). The Viability of Cattle Ranching Intensification in Brazil as a Strategy to Spare Land and Mitigate Greenhouse Gas Emissions. CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS) Working Paper No. 11. Copenhagen, Denmark.

### AWARDS AND GRANTS

Energy Biosciences Institute Project Grant, UC Berkeley (January 2011-January 2013)  
Foreign Language and Area Studies Fellowship, Portuguese, UC Berkeley (August 2008-May 2009)

### TEACHING EXPERIENCE

Graduate Student Instructor, Economics of Sustainable Resource Development, Fall 2012. UC Berkeley.  
Graduate Student Instructor, Economics of Race, Agriculture and the Environment, Fall 2010. UC Berkeley.  
Graduate Student Instructor, Economics of Water Resources, Spring 2010. UC Berkeley.

### WORK EXPERIENCE

Visiting Scholar, Energy Biosciences Institute, UC Berkeley, CA (September 2013-present)  
Sustainable Livestock Economics Fellow, Natural Resources Defense Council, San Francisco, CA (January 2013-present)  
Consultant, Center for Remote Sensing, Federal University of Minas Gerais, MG, Brazil (June 2009-June 2011)  
Program Assistant/Consultant, Woods Hole Research Center, Falmouth, MA (September 2006-August 2008)

### LANGUAGES

English (Native), Portuguese (Fluent), Spanish (Fluent)

### REFERENCES

David Zilberman, Dept. of Agricultural and Resource Economics, UC Berkeley, [zilber11@berkeley.edu](mailto:zilber11@berkeley.edu), 510.642.6570  
Gregory Amacher, Dept. of Forest Resources and Env. Conservation, Virginia Tech, [gamacher@vt.edu](mailto:gamacher@vt.edu), 540.231.5943  
Peter Berck, Dept. of Agricultural and Resource Economics, UC Berkeley, [pberck@berkeley.edu](mailto:pberck@berkeley.edu), 510.984.2964