

# Jonathan Douglas Eldon

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## Lecturer in Environmental Science

*School of Public and Environmental Affairs, Indiana University*

### Education

- Ph.D.** Environmental Studies, University of California – Santa Cruz, 2011-2017  
Dissertation Title: *Balancing complexity and pragmatism to drive agricultural adaptation*  
Committee: Dr. Carol Shennan, Dr. Weixin Cheng, Dr. Ben Crow
- M.S.** Tropical Conservation Biology and Environmental Science,  
University of Hawaii – Hilo, 2007-2010  
Thesis Title: *Population divergence in an endemic Hawaiian Drosophila: phylogeographic patterns and local adaptation*  
Committee: Dr. Don Price, Dr. Jon Price, Dr. William Mautz
- B.S.** Biology, Stanford University, 2001-2005
- B.A.** Philosophy, Stanford University, 2001-2005

### Publications

Eldon, J. (2017) Processes, patterns, practices, and perspectives: what we talk about when we talk about “development.” *Cogent Social Sciences*, 3(1), 1336855

\*Eldon, J. and Rapaport, P. (2017). *A rural livelihood atlas of Senegal, The Gambia, and Guinea Bissau*. United Purpose, Hartford, United Kingdom.

Eldon, J., Shennan, C., Rapaport, P., Jansen, T., Sidibeh, S. (2016) Better than best practices: Using farmer field trials to identify adaptive management options within complex agricultural systems. In *Social and technological transformation of farming systems: diverging and converging pathways. 12<sup>th</sup> European IFSA symposium, UK, July 12-15 2016*, International Farming Systems Association

Eldon, J. & Gershenson, A. (2015) The effects of cultivation and alternative vineyard management practices on soil carbon storage in diverse Mediterranean landscapes: A review of the literature. *Agroecology and Sustainable Food Systems* 39(5), 516-550.

Eldon, J., Price, J. P., Magnacca, K., & Price, D. K. (2013). Patterns and processes in complex landscapes: testing alternative biogeographical hypotheses through integrated analysis of phylogeography and community ecology in Hawai'i. *Molecular ecology*, 22(13), 3613-3628

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\* Not peer-reviewed

## Grants

Alliance for a Green Revolution in Africa (AGRA) and the United States Agency for International Development (USAID)

2015/16, \$655,000, *Increasing the adoption of improved staple crop varieties in Senegal through farmer-led demonstration trials and farmer to farmer networks*

Australia Aid

2015, \$60,000, *Encouraging innovation and adaptation in soil fertility management through coordinated farmer field trials (Senegal)*

2015, \$41,000, *Building the resilience of vulnerable households in Central River Region North and the North Bank Region of The Gambia*

UC Santa Cruz, Environmental Studies Department

2014/15, \$4000, *Heller Agroecology Student Research Grant*

2014, \$10,000, *Hammett Graduate Fellowship*

2013/14, \$4000, *Earthbound Farm Environmental Stewardship Award*

## Professional Experience

Ostrom Workshop (Indiana University), *Visiting Scholar, Indiana, 2018*

Concern Universal, *Technical Lead, Senegal/The Gambia, 2013-2016*

Africa Geodata, *Agricultural Consultant, Senegal/The Gambia, 2013-2016*

Supply Shift / The Nature Conservancy, *Research Consultant, California, 2014*

Field Pulse Research, *Agricultural Consultant, Liberia, 2013*

Bushmen Farming Network, *Founding Member, Solomon Islands, 2011-present*

## Conference Participation

2018 America's Role in the World (Indiana University) – Panelist, “Food Security”

2017 Visions of Development (Tobias Center for Innovation in Development) - Panelist

2017 Agronomy/Crop Science/Soil Science Societies Annual Meeting - Presenter

2017 Conservation in Action (Indiana) - Participant

2016 Senegambian Farmers Forum – Organizer

2016 International Farming Systems Association– Presenter

2015 Senegambian Farmers Forum – Organizer

2010 Evolution Conference – Presenter

2009 Evolution Conference – Presenter

2009 NSF GK-12 National Conference – Presenter

## Teaching Experience

Field Ecology Methods (*laboratory instructor and lecture assistant – UHH*)

Soils and Plant Nutrition (*laboratory instructor and lecture assistant – UCSC*)

Sustainable Agriculture (*discussion section leader and lecture assistant - UCSC*)

Agroecosystems and Watershed Management (*lecture assistant - UCSC*)