

John Patrick Connors

PhD Candidate
School of Geographical Sciences and Urban Planning
Arizona State University

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EDUCATION

- | | |
|---|---------------|
| Doctor of Philosophy, Geography
Arizona State University, Tempe, Arizona | Expected 2015 |
| Master of Arts, Geographic Information Science
Clark University, Worcester, Massachusetts | May 2007 |
| Bachelor of Arts, Geography
Clark University, Worcester, Massachusetts | May 2006 |

PROFESSIONAL POSITIONS

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| Borlaug Fellow in Global Food Security
<i>Center for Global Food Security, Purdue University</i> <ul style="list-style-type: none">Led independent research project on agricultural policies and rural livelihoodsConducted focus groups, interviews, surveys (over 200) in rural TanzaniaWorked with policy-makers and diverse stakeholders to identify key policy concerns | Jan 2014-Present |
| Research Assistant
<i>Global Institute of Sustainability, Arizona State University</i> <ul style="list-style-type: none">Conducted analysis of agricultural and water policy in ArizonaContributed to literature review on IPCC report on food systems and climate changeAnalysis of satellite imagery to evaluate changes in forest coverPresented research findings at meetings with policy-makers, stakeholders, and researchers | 2011 - 2013 |
| Summer Faculty Associate
<i>School of Geographical Sciences and Urban Planning, Arizona State University</i> <ul style="list-style-type: none">Created materials, including recorded lectures, for a new online course: Global ChangeOversaw all aspects of teaching, grading, and student discussions for 30+ students | May 2011–July 2011 |
| Teaching Assistant
<i>School of Geographical Studies and Urban Planning, Arizona State University</i> <ul style="list-style-type: none">Design and teach lectures and lead laboratory exercises in Physical Geography CoursesAssist with laboratories and deliver lectures for Master's level GIS courses | Aug 2010–Dec 2011 |
| Staff Research Associate II
<i>Department of Environment Science, Policy, and Management, UC Berkeley, California</i> <ul style="list-style-type: none">Provided GIS and fieldwork support for a diverse set of collaborative projectsPlanned and developed new online tools for the a citizen science project (OakMapper)Developed database for analyzing neighborhood effects on weight change and diabetes risk | Nov 2007–June 2010 |

Human Environment Regional Observatory Research Fellow

June 2005 – May 2007

George Perkins Marsh Institute, Clark University, Worcester, Massachusetts

- Developed new tools and methods for analysis of land cover change
- Digitized and analyzed historic land use maps
- Created land use datasets for use at Woods Hole Marine Biological Laboratories

Geographic Information Systems Intern

Jan. 2006 – May 2007

EnviroBusiness, Inc. Consulting, Burlington, Massachusetts

- Collected and delivered data sets for use in EPA Phase 1 assessments

PUBLICATIONS

Peer-Reviewed

Simonit, Silvio, **John P. Connors**, James Yoo, Ann Kinzig, and Charles Perrings. In Review. The impact of forest thinning on the reliability of water supply in Central Arizona. Submitted to *Global Environmental Change*.

Kane, Kevin, **John P. Connors**, Christopher Galletti. 2014. Shaping the City: Development Trajectories and Land Cover Patterns in Phoenix, Arizona. *Applied Geography* 52, 123-134.

Yoo, James, Silvio Simonit, **John P. Connors**, Ann P Kinzig, Charles Perrings. 2014. The valuation of off-site ecosystem service flows: Deforestation, erosion and the amenity value of lakes in Prescott, Arizona. *Ecological Economics* 97, 74-83.

Lwasa, Shuaib, Frank Mugagga, Bolanle Wahab, David Simon, Corrie Griffith, **John P. Connors**. 2014. Urban and peri-urban agriculture and forestry: transcending poverty alleviation to mediating climate change. *Urban Climate* 7, 92-106.

Yoo, James, Silvio Simonit, **John P. Connors**, Ann P. Kinzig, Charles Perrings. 2013. The value of agricultural water rights in agricultural properties in the path of development. *Ecological Economics* 91, 57-68.

Connors, John, Christopher Galletti, and Winston Chow. 2013. Landscape configuration and urban heat island effects: assessing landscape characteristics and land surface temperature in Phoenix, Arizona. *Landscape Ecology*. 28(2).

Connors, John, Maggi Kelly, Shufei Lei. 2012. Citizen science in the age of neogeography: utilizing volunteered geographic information for environmental monitoring. *Annals of the Association of American Geographers*. 102(2).

Pontius, Jr. Robert Gilmore and **John Connors**. 2009. Range of categorical associations for comparison of maps with mixed pixels. *Photogrammetric Engineering and Remote Sensing*.

Kelly, Maggi, **John Connors** and Shufei Lei. 2008. Migrating to new web-based geotechnologies for forest monitoring in the Bay Area. *The Bay Area Automated Mapping Association Journal*. 2(2).

Book Chapters

Griffith, Corrie, **John P. Connors**, Bolanie Walab, Frank Mugagga, and Camille Nolasco. Forthcoming. Urban and Peri-Urban Agriculture: Cultivating Urban Climate Resilience. In Griffith et al. (eds.), *Handbook on Urbanization and Global Environmental Change*.

As Conference Proceedings

Kelly, Maggi, **John Connors**, Shufei Lei. 2010. OakMapper 2.0: Distributed Participatory Sensing for Monitoring and Management of Sudden Oak Death. In Frankel, S.J.; Kliejunas, J.T.; Palmieri, K.M., tech. cords. 2010. Proceedings of the Sudden Oak Death Fourth Science Symposium. Gen. Tech. Rep. PSW-GTR-229, Albany, CA: Pacific Southwest Research Station, Forest Service, U.S. Department of Agriculture. Pp. 334-337

Pontius, Jr, Robert Gilmore and **John Connors**. 2006. Expanding the conceptual, mathematical, and practical methods for map comparison. Conference proceedings of the meeting of Spatial Accuracy 2006. Lisbon, Portugal. 16p.

In Preparation

Eakin, Hallie, **John Connors**, Christopher Wharton, and Farryl Bertman. In Preparation. Principles of Food System Sustainability.

Manda, Constantine, Stephen Mwombela, Josie Knowles, and **John Connors**. In Preparation. Borders: Social Interaction and Economic and Political Integration of the East African Community.

Connors, John, Kevin Kane, and Xiaoxiao Li. In Preparation. Traversing the Complexity: a high resolution transect analysis of urban the Phoenix Metropolitan Area. To be submitted to Remote Sensing of Environment.

Galletti, Chris, Xiaoxiao Li, **John Connors**. In Preparation. Re-evaluating spatial configuration and land surface temperature relationships in the Phoenix Metropolitan Area: revealing limitations and future directions for UHI Research. To be submitted to Ecological Indicators.

GRANTS AND FUNDED FELLOWSHIPS

Doctoral Dissertation Improvement Grant National Science Foundation SBE 2014	\$14,200
Bailey Award for Fieldwork School of Geographical Sciences and Urban Planning, Arizona State University 2014	\$1500
Human Dimensions of Global Change Student Field Work Grant Association of American Geographers, Human Dimensions of Global Change Specialty Group 2014	\$750
Graduate Research Support Program Graduate and Professional Student Association, Arizona State University, November 2013	\$2,000
Boren Fellowship National Security Education Program, January 2014 – July 2014	\$12,800
Borlaug Fellowship in Global Food Security Center for Global Food Security at Purdue University, January 2014 - September 2014	\$15,000
CAP-LTER Graduate Grant Central Arizona Phoenix Long Term Ecological Research Project, March 2013	\$6,000
Melvin Marcus Award for Fieldwork School of Geographical Sciences and Urban Planning, Arizona State University, March 2013	\$1,500
Jump Start Research Grant Graduate and Professional Student Association, Arizona State University, February 2013	\$250
Travel Award Grant Graduate and Professional Student Association, Arizona State University, March 2013	\$950
Research Assistance Grant School of Geographical Sciences and Urban planning, December 2012	\$1,600
Travel Award Grant Graduate College, Arizona State University, December 2011	\$350
CAP-LTER Graduate Grant Support for year-long project to examine the relationship between ecosystems services and spatial structure in the Phoenix Metropolitan Area.	\$4,000

Awarded by the Central Arizona Phoenix Long Term Ecological Research Project, April 2011

Travel Award Grant \$950
 Graduate and Professional Student Association, Arizona State University, April 2011

HONORS AND AWARDS

Graduate Excellence Award College of Liberal Arts and Sciences – Arizona State University, Tempe, Arizona	May 2014
Honorable Mention – Graduate Research Fellowship National Science Foundation	April 2011
University Graduate Fellowship Arizona State University, Tempe, Arizona	August 2010 – May 2011
Human Environment Regional Observatory Fellowship Clark University, Worcester, Massachusetts	June 2005 – May 2007
Highest Honors Department of Geography, Clark University, Worcester, Massachusetts	May 2006
Ellen Churchill Semple Award Department of Geography, Clark University, Worcester, Massachusetts	May 2006
Gamma Theta Upsilon Honor Society Alpha Sigma Chapter, Clark University, Worcester, Massachusetts	May 2006
Remote Sensing Specialty Group Illustrated Paper Award Annual Meeting of the Association of American Geographers, Chicago, Illinois	March 2006
Strabo Award Department of Geography, Clark University, Worcester, Massachusetts	May 2005
Illustrated Paper Award Annual Meeting of the NESTVAL Division of AAG, Keene, New Hampshire	October 2005

PRESENTATIONS

Invited Presentations

2012 Spatial Configuration Effects on the Urban Heat Island in Phoenix, AZ. Geographic Innovation Facility, University of California Berkeley. Berkeley, California.

2011 Cotton, Condos, and Climate: Emerging Water Issues in Arizona's Agricultural Sector. Decision Center for Desert Cities, Arizona State University, Tempe, Arizona. (Co-presented with Thomas Redd).

2009 OakMapper. The evolution of a participatory webGIS: what's new, what's next, and how you can be involved. Geographic Innovation Facility, University of California Berkeley. Berkeley, California. (Co-presented with Maggi Kelly and Shufei Lei).

2009 Range of categorical associations for comparison of maps with mixed pixels. Geographic Innovation Facility, University of California Berkeley. Berkeley, California.

Conference presentations

- 2013 Institutions and land cover change in Arizona's Salt and Verde watershed. Annual Meeting of the Association of American Geographers. Los Angeles, California.
- 2012 Environment and Water: Decision-support tools for managing ecosystem services in Arizona. BestNET Workshop. London, England.
- 2012 Effects of Spatial Configuration on the Urban Island. Annual Meeting of the Association of American Geographers. New York, New York.
- 2011 Scientists in the Crowd, Data in the Cloud: Volunteered geographic information for citizen science. Annual Meeting of the Association of American Geographers. Seattle, WA.
- 2007 An Object-based Hierarchical Approach to Land Cover Classification. Annual Meeting of the Association of American Geographers. San Francisco, California.
- 2006 Land Use Mapping of the Ipswich River and Parker River Watersheds. Plum Island Ecosystems Long Term Ecological Research All Scientists Meeting. Marine Biological Laboratories, Woods Hole, Massachusetts.
- 2006 Quantifying categorical associations using sub-pixel mapping. Annual Meeting of the Association of American Geographers. Chicago, Illinois.

Posters

- Bausch, J. C., **John Connors**, and Hallie Eakin. 2012. Half Full?: Buffering Central Arizona Farmers from Signals of Environmental Change. **Invited Poster** American Association for the Advancement of Science, Vancouver, CA.
- Connors, John** and Christopher Galletti. 2012. Modeling the effects of spatial configuration on Urban Heat Island in Phoenix, Arizona. Central Arizona Phoenix Long Term Ecological Research All Scientists Meeting. Arizona State Univ., Tempe, AZ.
- Bausch, Julia, **John Connors**, Cathy Rubinos, Hallie Eakin, Rimjhim Aggarwal, and Abigail York. 2012. Agriculture around a desert city: Perspectives on Decisions for Water, Land, and Livelihoods. Central Arizona Phoenix Long Term Ecological Research All Scientists Meeting. Arizona State University, Tempe, AZ.

TEACHING EXPERIENCE

GPH 314: Global Change Online Course, Arizona State University	Summer 2011, Summer 2012, Summer 2013
GPH 111: Introduction to Physical Geography Laboratory Arizona State University	Fall 2010, Spring 2011
ESPM 9: Environmental Leadership Pathways: Environmental Science Case Studies University of California Berkeley (designed and taught portion of course on GIS)	Spring 2008

MEMBERSHIPS

Association of American Geographers
 Geographic Information Science and Systems Specialty Group
 Human Dimensions of Global Change Specialty Group
 Geographies of Food and Agriculture Specialty Group
 Cultural and Political Ecology Specialty Group

SERVICE ACTIVITIES

Newsletter Editor, Human Dimensions of Global Change Specialty Group. 2012-Present

Brown Bag Coordinator, School of Geographical Sciences and Urban Planning 2011-2012

Reviewer, Photogrammetric Engineering and Remote Sensing, GeoForum, Journal of Applied Geography

Board Member, Oakland Food Connection, Oakland, CA. 2007-2009

Volunteer, Global Land Project Open Science Meeting, Tempe, AZ. 2010

Volunteer, International Association for the Study of the Commons Regional Meeting, Tempe, AZ. 2010

Volunteer, Resilience 2011: Second International Science and Policy Conference, Tempe, AZ. 2010

SKILLS AND LANGUAGES

Geospatial Analysis – ArcGIS, eCognition, Idrisi, ENVI, KML, GDAL, OGR, Quantum GIS, Garmin and Trimble GPS

Database Management – FileMaker Pro, PostgreSQL, PostGIS, SQLite, SpatiaLite

Statistical Analysis and Programming – SPSS, R, Python, Matlab, Bash

Web Design – HTML, CSS, Javascript

Languages – Swahili (Intermediate), Spanish (Intermediate)