

## **Ladd Keith**

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College of Architecture, Planning, and Landscape Architecture  
The University of Arizona

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### **Education**

- 2019 May Ph.D. in Arid Lands Resource Sciences, Minor in Global Change, University of Arizona. Dissertation: Assessing Policy Innovation: Climate Action Planning in the U.S. Southwest. Committee: Gregg Garfin (Chair), Diane Austin, Laura A. Bakkensen, Dan Ferguson, and Margaret Livingston
- 2005 M.S. in Planning, University of Arizona  
Committee: Barbara Becker, AICP (Chair)
- 2003 B.A. in Media Arts, University of Arizona

### **Academic Appointments**

- 2017-Present Chair, Sustainable Built Environments Program, School of Landscape Architecture and Planning, College of Architecture, Planning, and Landscape Architecture, University of Arizona
- 2016-Present Research Affiliate, Climate Assessment for the Southwest (CLIMAS), Institute of the Environment, University of Arizona
- 2013-Present Planning Lecturer, School of Landscape Architecture and Planning, College of Architecture, Planning, and Landscape Architecture, University of Arizona
- 2016-2017 Director, Academic Initiatives and Student Success, College of Architecture, Planning, and Landscape Architecture, University of Arizona
- 2012-2015 Coordinator, Sustainable Built Environments Program, College of Architecture, Planning, and Landscape Architecture, University of Arizona
- 2009-2013 Adjunct Planning Lecturer, School of Landscape Architecture and Planning, College of Architecture and Landscape Architecture, University of Arizona

## **Professional Experience**

- 2009-2011 Principal Planner, Urbano Group, LLC
- 2006-2009 Senior Planner, Engineering & Environmental Consultants, Inc.
- 2005 Planner, Engineering & Environmental Consultants, Inc.
- 2004 Planning Intern, Town of Oro Valley, Arizona

## **Publications and Reports**

Keith, L. (In Prep). Assessing the current state of climate action planning with policy innovation. Intended for publication in the Journal of Planning Literature.

Keith, L. and Garfin, G.M. (In Prep). Evaluating how climate action planning is being mainstreamed into comprehensive plans in the U.S. Southwest. Intended for publication in the Journal of the American Planning Association.

Keith, L. and Iuliano, J.E. (In Prep). What challenges and opportunities do planners in the U.S. Southwest perceive in addressing climate risk? Intended for publication in Weather, Climate, and Society.

Urban Resilience Program. (2018). Ten Principles for Building Resilience. Washington, DC: Urban Land Institute, 2018.

## **Grants and Research Funded**

2018-Present 2018 Pacific Southwest Regional Center of Excellence in Vector-borne Diseases (PACVEC) Training Grant Program funded by the U.S. Centers for Disease Control and Prevention. Is Adaptation Mal-adaptation: An Assessment of Mosquitos and Water Harvesting. Principal Investigator: Heidi Brown; Co-Investigator: Ladd Keith. \$25,000.

2018-Present National Oceanic and Atmospheric Administration (NOAA), A Regional Integrated Sciences and Assessments Program (RISA), Climate Assessment in the Southwest (CLIMAS). Water Harvesting as a Mal-adaptation in Respect to Vector-borne Diseases. Principal Investigator: Heidi Brown; Co-Investigator: Ladd Keith. \$67,356.

- 2017-Present National Oceanic and Atmospheric Administration (NOAA), A Regional Integrated Sciences and Assessments Program (RISA), Climate Assessment in the Southwest (CLIMAS). Evaluating the Use of Urban Heat Island and Heat Increase Modeling in Land Use Planning. Principal Investigator: Ladd Keith; Co-Investigator: Ben McMahan. \$121,336.
- 2017-Present National Oceanic and Atmospheric Administration (NOAA), A Regional Integrated Sciences and Assessments Program (RISA), Climate Assessment in the Southwest (CLIMAS). Community Climate Profiles to Support Adaptation Planning. Principal Investigator: Alison Meadow; Co-Investigators: Ladd Keith, Sarah LeRoy, and Jeremy Weiss. \$487,586.
- 2016-2017 National Oceanic and Atmospheric Administration (NOAA), A Regional Integrated Sciences and Assessments Program (RISA), Climate Assessment in the Southwest (CLIMAS). Year 5 Assessment: Urban Resilience in Arizona and New Mexico. Principal Investigator: Ladd Keith. \$45,281.
- 2016-2017 National Integrated Heat Health Information System (NIHHIS). Rio Grande/Bravo Extreme Heat and Human Health - Southwest Regional Pilot. Research Affiliate. Travel Reimbursed.
- 2016 National Oceanic and Atmospheric Administration (NOAA). Las Cruces, NM - Extreme Weather Events, Critical Thresholds, and Climate Preparedness. Research Affiliate. Travel Reimbursed.
- 2014 City of Tucson. Support Funds for the Broadway Boulevard Pop-up Park on Site of Demolished Panda Buffet Restaurant. Public Participation Course Instructor and City Liaison. \$10,000.

### **Public Policy Contributions**

City of Tucson. 2015. *Ordinance No. 11328 Urban Agriculture Zoning Text Revisions*. Role: City of Tucson Planning Commission Member. City of Tucson, Arizona.

City of Tucson. 2015. *Unified Development Code, Section 5.12 Downtown Area Infill Incentive District*. Role: City of Tucson Planning Commission Member and Infill Incentive District Subcommittee Member. City of Tucson, Arizona.

City of Tucson. 2014. *Ordinance No. 11199 Medical Marijuana Zoning Text Amendments*. Role: City of Tucson Planning Commission Member. City of Tucson, Arizona.

City of Tucson. 2013. *City of Tucson General and Sustainability Plan*. Role: City of Tucson Planning Commission Chair. City of Tucson, Arizona.

City of Tucson. 2012. *Main Gate Urban Overlay District*. Role: City of Tucson Planning Commission Member. City of Tucson, Arizona.

City of Tucson. 2012. *City of Tucson Unified Development Code (Land Use Code Simplification Project)*. Role: City of Tucson Planning Commission Member. City of Tucson, Arizona.

Pinal County. 2008. *Stevenson Ranch Master Plan and Rezoning (1,008 acres)*. Role: Planner with Engineering & Environmental Consultants, Inc. Pinal County, Arizona.

Huachuca City. 2008. *Campstone Master Plan, Rezoning, and Development Agreement (800 acres)*. Role: Planner with Engineering & Environmental Consultants, Inc. Huachuca City, Arizona.

Pima County. 2008. *Preliminary Integrated Water Management Plan (PIWMP)*. Role: Planner with Engineering & Environmental Consultants, Inc. Pima County, Arizona.

Cochise County. 2008. *Dark Star Ranch Master Plan & Arizona Department of Transportation - Interstate 10 Realignment (1,300 acres)*. Role: Planner with Engineering & Environmental Consultants, Inc. Cochise County, Arizona.

Cochise County. 2008. *Envisioning 2020 Land Use Planning in Cochise County*. Role: Community Workshop Facilitator. Cochise County, Arizona.

Cochise County. 2008. *Sunsites South Master Plan, Plan Amendment, and Rezoning (600 acres)*. Role: Planner with Engineering & Environmental Consultants, Inc. Cochise County, Arizona.

City of Sierra Vista. 2007. *Ventana de Flores Specific Plan (335 acres)*. Role: Planner with Engineering & Environmental Consultants, Inc. Huachuca City, Arizona.

Cochise County. 2007. *Sunsites Master Plan, Plan Amendment, and Rezoning (244 acres)*. Role: Planner with Engineering & Environmental Consultants, Inc. Cochise County, Arizona.

Santa Cruz County. 2007. *Three Canyons Conservation Community Master Plan (1,760 acres)*. Role: Planner with Engineering & Environmental Consultants, Inc. Santa Cruz County, Arizona.

## **Teaching**

Honors College 1<sup>st</sup> Year Colloquiums (undergraduate) 2012-2013

Introduction to Regional Planning (undergraduate) 2009-2013

Professional Communication & Presentation (undergraduate) 2013-2016

Sustainable Built Environments Internship Seminar (undergraduate) 2013-2016

Sustainable Built Environments Senior Capstone (undergraduate) 2014-2015

Sustainable Design & Planning (undergraduate) 2013-2015

Planning for Urban Resilience (undergraduate and graduate) 2018-2019

Sustainable Development and New Urbanism (undergraduate and graduate) 2012, 2014

Planning Internship & Career Development Seminars (graduate) 2013-2015

Public Participation & Dispute Resolution (graduate) 2014, 2017-2018

Planning Theory (graduate) 2013

### **Honors and Awards**

2016            40 Under 40, Urban Land Magazine, Urban Land Institute

2014            Darryl B. Dobras Award for Excellence, College of Architecture, Planning and Landscape Architecture, University of Arizona

2005            Student Planning Project Award for the Arizona City Area Plan in Pinal County, American Planning Association, Arizona Chapter

1999            Carol J. Carter Scholarship, University of Arizona

### **National Service**

2018            Chair, Advisory Service Panel in Jacksonville, FL, Urban Land Institute

2014-2017      Founding Advisory Board Member, Center for Sustainability, Urban Land Institute

2012-2017      Council Member, Sustainable Development Council, Urban Land Institute

2016            Vice Chair, Resilience Advisory Service Panel in City of El Paso, TX, Urban Land Institute

2015            Panel Member, Resilience Advisory Service Panel in St. Tammany Parish, LA, Urban Land Institute

2012            Guest Member, Sustainable Development Council, Spring Meeting, Urban Land Institute

- 2011 Guest Member, Community Development Council -Silver Flight, Fall Meeting, Urban Land Institute
- 2011 Guest Member, Small Scale Development Council - Gold Flight, Spring Meeting, Urban Land Institute

**State and Local Service**

- 2014-Present Academic Liaison, Board of Directors, American Planning Association – Arizona Chapter
- 2019 Conference Committee Member, American Planning Association, Arizona Chapter
- 2011-2019 Planning Commissioner, City of Tucson Planning Commission
- 2013-2015 Member, Infill Development District Subcommittee, City of Tucson Planning Commission
- 2013-2014 Chair, City of Tucson Planning Commission
- 2012-2013 Chair, Urban Land Institute – Southern Arizona
- 2012-2013 Member, Advisory Board, Urban Land Institute – Arizona
- 2011 Member, Public Policy Committee, Metropolitan Pima Alliance
- 2010-2011 Conference Committee Member, American Planning Association, Arizona Chapter
- 2005-2011 Founding Member and Co-Chair, Young Leaders Group, Urban Land Institute - Southern Arizona
- 2009-2010 Member, Events Committee, Metropolitan Pima Alliance
- 2007-2008 Board Member & Community Facilitator, Cochise County Envision 2020

**University Service**

- 2018-Present Advisory Team Member, CCASS (Center for Climate Change Adaptation Science and Solutions), University of Arizona
- 2018 Member, University Strategic Plan – Sustainability Initiative Working Group, University of Arizona

- 2016 Judge, 2016 UA Grad Slam, University of Arizona
- 2015 Judge, 2015 Centennial Awards, University of Arizona
- 2015 Judge, 2015 UA Grad Slam, University of Arizona
- 2014 Judge, 2014 Student Showcase – Architecture, Planning, and Landscape Architecture Category, University of Arizona
- 2012-2013 Expert in Online Instruction, Speakers Bureau, Office of Instruction and Assessment, University of Arizona
- 2012-2013 Honors Professor, Honors College, University of Arizona

### **College Service**

- 2018-Present Member, Strategic Planning and Operations Advisory Committee, College of Architecture, Planning, and Landscape Architecture, University of Arizona
- 2012-Present Faculty Advisor, Graduate Planning Society, University of Arizona
- 2018 Member, Doctoral Programs Task Force, College of Architecture, Planning, and Landscape Architecture, University of Arizona
- 2016-2017 Committee Member, Dean Search Committee, College of Architecture, Planning, and Landscape Architecture, University of Arizona
- 2016-2017 Committee Member, Assistant Professor of Architecture and Sustainable Built Environments Search Committee, College of Architecture, Planning, and Landscape Architecture, University of Arizona
- 2013-2016 Planning Internship Coordinator, School of Landscape Architecture and Planning, College of Architecture, Planning and Landscape Architecture, University of Arizona
- 2015 Committee Member, Director R. Brooks Jeffery’s 5 Year Review, Drachman Institute, College of Architecture, Planning and Landscape Architecture, University of Arizona
- 2015 Faculty Co-Sponsor, Urban Land Institute Gerald D. Hines Design Competition
- 2013-2014 Committee Member, Dean Janice Cervelli’s 5-Year Review, College of Architecture, Planning, and Landscape Architecture, University of Arizona

- 2013-2014 Faculty Advisor, Sustainable Built Environments Student Club, University of Arizona
- 2012-2013 Planning Accreditation Board Committee, School of Landscape Architecture and Planning, College of Architecture and Landscape Architecture, University of Arizona
- 2011 Faculty Advisory Committee, College of Architecture and Landscape Architecture, University of Arizona

**Professional Memberships**

- 2005-Present Urban Land Institute (Full Member)
- 2005-Present Metropolitan Pima Alliance
- 2003-Present American Planning Association

**Invited Presentations**

- 2019 Presenter, *Community Planning for Climate Action*, Sustainable Cities Network of Arizona Roundtable Event, American Meteorological Society 99<sup>th</sup> Annual Meeting, Phoenix, January 10, 2019.
- 2019 Panelist, *Emerging Needs, Opportunities, and Careers in Climate Information Services: Key Sector Perspectives*, Seventh Symposium on Weather, Water, and Climate Enterprise, American Meteorological Society 99<sup>th</sup> Annual Meeting, Phoenix, January 5, 2019.
- 2018 Panelist, *State of Practice: The Built Environment in the Southwest*, American Society of Adaptation Professionals - Southwest Adaptation Forum, University of Arizona, Tucson, October 30, 2018.
- 2018 Presenter, *Evaluating the Use of Urban Heat Maps in Planning*, Urban Resilience Lightning Talks and Networking Hour, Center for Climate Adaptation Science and Solutions, University of Arizona, October 5, 2018.
- 2018 Panelist, *Cities and Communities: Can Tucson Survive Peak Drought and Warming?*, Surviving Peak Drought and Warming Workshop, University of Arizona, March 29, 2018.
- 2017 Presenter, *Evaluating the Use of Urban Heat Island and Heat Increase Modelling in Land Use Planning and Decision-Making*, CLIMAS Colloquium Series, CLIMAS, University of Arizona, September 29, 2017.



- 2017 Presenter, *Planning for Climate Mitigation and Resilience for Cities in the U.S. Southwest*, Southwest Tribal Climate Change Network Call, Native Nations Climate Change Adaptation Program, University of Arizona, July 12, 2017.
- 2017 Presenter, *CLIMAS 5-Year Assessment Update*, NOAA Monthly RISA Call, NOAA, July 6, 2017.
- 2016 Panelist, *Influence of Politics on Planning*, American Planning Association, Southern Section Chapter Brownbag Panel, Tucson, October 21, 2016.
- 2014 Panelist, *The Curriculum: Perspectives in Building Sustainability Literacy into Coursework*, Arizona Higher Education Sustainability Conference, Tucson, March 25, 2014.
- 2013 Moderator, *Where Do I Fit Into Planning?*, American Planning Association, Southern Section Chapter Brownbag Panel, Tucson, March 21, 2013.
- 2012 Moderator, *Smarter Cities: Technology as a Tool in Real Estate Development and Urban Design*, Fall Meeting, Urban Land Institute, Denver, October 17, 2012.
- 2012 Panelist, *Careers in Sustainability*, Career Services, University of Arizona, Tucson, February 23, 2012.
- 2011 Moderator, *Your First Day as a Planning Commissioner*, American Planning Association, Arizona Chapter Conference, Tucson, September 28, 2011.
- 2010 Speaker, *Creating True Community Dialogue*, American Planning Association, Arizona Chapter Conference, Phoenix, November 4, 2010.

### **Invited Lectures**

- 2018 Guest Lecture, *PLG 256 – Sustainable Cities and Societies*, University of Arizona (invited by Gary Pivo), November 13, 2018.
- 2018 Guest Lecture, *LAR 610 Design Studio III*, University of Arizona (invited by Kelly Cederberg), August 29, 2018.
- 2018 Guest Lecture, *ARC 451A – Design Studio VI*, University of Arizona (invited by Courtney Crosson), January 19, 2018.
- 2017 Guest Lecture, *PLG 256 – Sustainable Cities and Societies*, University of Arizona (invited by Gary Pivo), October 17, 2017.
- 2017 Guest Judge, *ARC 451A – Design Studio VI*, University of Arizona (invited by Courtney Crosson), May, 4, 2017.

- 2017 Guest Lecture, *ARC 451A – Design Studio VI*, University of Arizona (invited by Courtney Crosson), April 19, 2017.
- 2016 Guest Lecture, *PLG/GEOG 497s/597s – Sustainable Development and New Urbanism*, University of Arizona (invited by Philip Stoker), October 10, 2016.
- 2016 Guest Lecture, *ARC 101 – Foundation Studio*, University of Arizona (invited by Annie Kurtin), September 15, 2016.
- 2016 Guest Lecture, *SBE 195A – Introduction to Sustainability*, University of Arizona (invited by Michael Esser), September 7, 2016.
- 2016 Guest Lecture, *GEOG 302 – Introduction to Sustainable Development*, University of Arizona (invited by Casey Lynch), June 1, 2016.
- 2014 Guest Lecture, *PLG 412/512 - Comprehensive Planning and Land Use Controls*, University of Arizona (invited by Arlie Adkins), February 20, 2014.
- 2013 Judge, *GEOG 302 – Introduction to Sustainable Development*, University of Arizona (invited by Linda Samuels), December 19, 2013.
- 2013 Guest Judge, *PLG 515 – Design Studio I*, University of Arizona (invited by Oscar Blazquez), December 10, 2013.
- 2013 Lecture, *PLG 514 – Analytic Methods in Planning and Strategic Management*, University of Arizona (invited by Arlie Adkins), October 3, 2013.
- 2013 Guest Lecture, *Online Education Project – June Intensive Workshop*, Office of Instruction and Assessment, University of Arizona (invited by Susan Howell), June 3, 2013.
- 2012 Guest Judge, Graduate Planning Expo, School of Landscape Architecture and Planning, College of Architecture and Landscape Architecture, University of Arizona (invited by Iris Patten), April 12, 2012.
- 2012 Guest Lecture, *PLG 412/512 - Comprehensive Planning and Land Use Controls*, University of Arizona (invited by Iris Patten), April 19, 2012.
- 2012 Guest Lecture, *Teaching Online*, Office of Instruction and Assessment, University of Arizona (invited by Gretchen Gibbs), March 7, 2012.
- 2011 Guest Lecture, *Teaching Online*, Office of Instruction and Assessment, University of Arizona (invited by Gretchen Gibbs), November 2, 2011.

2011 Guest Lecture, *Teaching Online*, Office of Instruction and Assessment, University of Arizona (invited by Gretchen Gibbs), October 20, 2011.

2011 Guest Lecture, *LAR 660 – Professional Practice*, University of Arizona (invited by Elizabeth Scott), September 23, 2011.

### **Doctoral Student Mentorship**

2018-Present Ida Sami, PhD in Arid Lands Resource Sciences (1<sup>st</sup> Year PhD Mentor)

2011-Present Joseph Iuliano, PhD in Geography (Past Supervisor and Dissertation Committee Member)

- National Institute for Transportation and Communities Scholars, Fall 2018
- John Stenner Memorial Scholarship, Spring 2017
- Graduate Teaching Assistant of the Year, Spring 2014

### **Interviews and Media**

2018 Parsons, Doug. End-of-the-Year Holiday Special. *America Adapts Podcast*, December 14, 2018.

2018 Perkins, Anthony. Hot Weather Forecast Warms Up Urban Planning Research. *Arizona Public Media News*, May 4, 2018.

2018 Litvak, Emily. For Desert Dwellers, a Life in Balance. *University of Arizona – Research, Discovery, & Innovation – Research Stories*, April 19, 2018.

2018 Bell, Austin. Architecture, ecology converge in Arcosanti. *Puma Press*, April 16, 2018.

2013 Meinhold, Bridgette. Sustainable Communities. *Montage Magazine*, January 2014.

2012 Mittan, Kyle. College of Architecture develops undergrad degree in sustainability. *The Daily Wildcat*, March 8, 2012.

2011 Sharpe, Jeremy. Pushing Boundaries. *Urban Land Magazine*, March/April 2011: 46-48.