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## Dara M. Wald

The Center for Policy Informatics and The Decision Center for a Desert City, School of Public Affairs  
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### INTERESTS

Environmental/Science Communication, Risk Communication, Collaborative Decision Making, Resource Conflict and Collaboration, Network Governance and Environmental Policy.

### EDUCATION

University of Florida

Ph.D., Department of Wildlife Ecology and Conservation, December 2012;

Certificate: Environmental Education and Communications

Research Foci: Environmental Risk; Public Opinion; Environmental Communication and Conflict

Dissertation Title: *Understanding stakeholder conflict: An analysis of public values, risk perceptions and attitudes toward outdoor cat management.*

Dissertation Advisor: Susan K. Jacobson

University of Florida

Masters of Science, Department of Wildlife Ecology and Conservation, 2008;

Certificate: Tropical Conservation & Development

Brandeis University

Bachelor of Arts, Department of Biology, 2004 Minor: Theater; Certificate: Environmental Studies

### ACADEMIC EMPLOYMENT

**Arizona State University** (2013-Present)

Post-Doctoral Fellow, The Decision Center for a Desert City, The Global Institute of Sustainability

Post-Doctoral Fellow of Policy Informatics, The Center for Policy Informatics, School of Public Affairs,

Instructor, School of Public Affairs

**University of Florida** (2008 – 2013)

Graduate Teaching Assistant, Department of Wildlife Ecology and Conservation

Alumni Fellow, Dean's Office

SPICE Graduate Fellow, National Science Foundation Gk-12

**University of Florida** (2006 -2008)

Graduate Research Assistant, UF Department of Wildlife Ecology and Conservation

### PUBLICATIONS (IF=Impact Factor)

#### Refereed Publications

Jacobson, S.K., **Wald, D.M.**, Haynes, N., & R. Sakurai (forthcoming). Urban Wildlife Communication and Negotiation In, R. McCleery, C. Moorman & N. Peterson (Eds.). *Urban Wildlife Conservation: Theory and Practice*. New York, NY: Springer Verlag.

**Wald, D.M.** and Jacobson, S.K. (2014). A Multivariate Model of Stakeholder Preference for Outdoor (Feral) Cat Management. *PlosOne*. 9(4): e93118. doi:10.1371/journal.pone.0093118 (3.53 IF)

**Wald, D.M.,** Jacobson, S.K, and Levy, J.K (2013). Outdoor Cats: Identifying Differences between Stakeholder Beliefs, Perceived Impacts, Risk and Management. *Biological Conservation*.167: 414-424. (4.04 IF).

**Wald, D.M. &** Jacobson, S.K. (2013a). Factors Affecting Student Tolerance for Free-Roaming Cats. *Human Dimensions of Wildlife*.18 (3): 263-278. (IF n/a)

Tennent, J., Downs, C.T., **Wald, D.M.** & Watson, H. (2010). Public Perceptions of Feral Cats within an Urban Conservancy on a Campus of the University of KwaZulu-Natal. *South African Journal of Wildlife Research*, 40(1), 16-26. (0.744 IF)

**Wald, D. M.,** & Hostetler, M. E. (2010). Conservation Value of Residential Open Space: Designation and Management Language of Florida's Land Development Regulations. *Sustainability*, 2(6), 1536-1552. (1.08 IF)

### **Refereed Journal Articles under Review**

**Wald, D.M.,** Johnston, E., Leong, K. and Ogden, L. (In review). Understanding options along the continuum of governance for large-scale natural resource management. *Frontiers in Ecology and the Environment*. (8.41 IF)

Haynes, N., Jacobson, S., and **Wald, D.M.** (revise and resubmit). A Life Cycle Analysis of Minority Underrepresentation in Natural Resource Fields. *Wildlife Society Bulletin*. (0.95)

### **Peer-Reviewed Manuscripts in Development**

Irwin, B.J.; Hart, P.S.; **Wald, D.M.**; Gore, M.L.; Moore, C.T.; Runge, M.C.; Shepherd, J.M.; McMahon, G.; Lascurain, A.; Ratnaswamy, M.; Staudinger, M.D.; Holland, A.R.; Morelli, T.L.; Knox, P.; Qureshi, A.; Ma, Z. Using Climate Change Information in Conservation Decision Making. Target: *Ecology and Society*.

**Wald, D.M.,** E. W. Johnston, and A. Vinze. Promoting Collaborative Decision Making using a Computer-Mediated Simulation. Target: *Proceedings of the National Academy of Sciences*.

Eakin, H., Klinksy, S., **Wald, D.M.,** Burnsilver, S., Milkoret, M., Schneider, F., Manuel-Navarrete, D., and E. Hackett. To Solve or Transform? Sustainability science beyond "solutions." Target: *Sustainability Science*.

### **Non-Peer Reviewed**

**Wald, D.M. &** Jacobson, S.K. (2013b). The Influence of Perceptions, Attitudes, and Experiences on the Perceived Risks and Benefits of Free-Roaming Cats. *Proceedings from the 25<sup>th</sup> Vertebrate Pest Conference*. Monterey, CA.

Ferrand, H., Iyer, G., **Wald, D.M.,** Willcox, E., and Yates, G. (2012). In C. Demers, A. Long, and A. Oxarart (Eds.), *Your Backyard Woods and Wildlife. A Handbook for Florida Landowners*. Gainesville, FL: University of Florida IFAS Information and Communication Services. 164pp.

**Wald, D.M.** (2008). Policy mechanisms to enhance long-term management of sustainable communities. M.S. Thesis, University of Florida. Gainesville, FL.

### **EXTERNAL AWARDS**

\* principal investigator/lead author

### **Awarded Research Grants**

*Citizen Science to Forecast the Future of a Desert City*. Citizen Science & Citizen Engagement (CSCE). Massive Open Online Research effort. ASU. (2014-2015). **\$10,000**; Principal Investigator \*

*Crowdsourcing the Next Great Citizen Science Project*. Citizen Science & Citizen Engagement (CSCE). (2014-2015). Massive Open Online Research effort. ASU. **\$10,000**; Co-Principal Investigator \*

*A Solution Space for Development Thinking*. Next Generation Sustainability Project, Walton Sustainability Solution Initiative. (2014 – 2016; project ended early). **\$300,000**; Co-Principal Investigator

*Mentoring underrepresented women and women from developing countries in research on environmental sustainability*. NSF RCN-SEES: The Global Research Network on Women in Sustainability (2011-2016). AN: 1140182. **\$749,697**; Collaborator

*Invasive Species and the Amplification of Risk and Risk Perceptions among Active Stakeholder Groups*. NSF Doctoral Dissertation Improvement Grant, Decision Risk and Management Sciences (2010-2012). AN: 1123710. **\$12,135**; Co-Principal Investigator \*

*Bridging the Gap between Stakeholders to Enhance Management and Improve the Welfare of Feral Cats*. Morris Animal Foundation. Established Investigator, Small Companion Animal Grant (2010-2013). D12FE-016. **\$48,552**; Co-Principal Investigator \*

*International Supplement to Science Partners in Inquiry-based Collaborative Education II* (2009). NSF Gk-12 Program. AN: 0924423. **\$99,744**; Co-Principal Investigator \*

*Living with Sea Turtles*. Caribbean Conservation Corporation, (2008-2009). **\$10,500**; grant writer\*

### **Grants Under Review**

*Empathy-arousing Messages and Boomerang Effects*. School of Public Affairs, Seed Funding. **\$12,000**; Co-Principal Investigator\*

### **FELLOWSHIPS AND HONORS**

- The Decision Center for a Desert City Postdoctoral Fellowship, ASU (2015-2016)
- Policy Informatics Two-Year Postdoctoral Fellowship, ASU (2013-2015)
- Alumni Fellowship Full Tuition Graduate Scholarship, UF (2008-2012)
- Doris Lowe and Earl & Verna Lowe Scholarship for contributions to wildlife research, UF (2011-2013)
- Agricultural Women & Vam C. York Graduate Award for excellence in scholarship and leadership, UF (2011)
- Science Partners in Inquiry-Based Collaborative Education, NSF Gk-12 Full Tuition Fellowship, UF (2008-2010)
- Integrative Graduate Education and Research Traineeship (IGERT) Fellowship, Adaptive Management: Wise Use of Water, Wetlands & Watersheds, UF (declined)
- Jennings Scholarship, Department of Wildlife Ecology and Conservation, UF (2006)
- Morris W. Weingarden Memorial Award for excellence in Environmental Studies, Brandeis University (2004)

### **TEACHING INTERESTS**

Science & Risk Communication, Communication and Conflict Management, Environmental Policy, Communication and Decision Making, Foundations of Survey Research, Research Methods, Games for Serious Decision Making.

### **TEACHING EXPERIENCE**

**PAF 546: Environmental Policy and Management** (Fall 2014, Graduate)  
Instructor, School of Public Affairs, ASU

**PAF 591: Introduction to Policy Informatics** (Spring 2014, Graduate)  
Guest Lecturer, “The Challenge of Public Participation in Natural Resource Governance.” School of Public Affairs, ASU

**URB 205: Urban Governance; PAF 530: Management of Urban Government; PAF 420 Public Leadership; CPI 101: Introduction to Informatics; PAF 591: Introduction to Policy Informatics.** (Spring 2014, Graduate).  
Moderator, WaterSim: A Decision Game. School of Public Affairs, ASU

**PAF 300: Public Administration and Management** (Fall 2013, Graduate).

Moderator, WaterSim: A Decision Game. School of Public Affairs, ASU

**CIS 360: Business Database Concepts; CIS 235: Introduction to Information Systems** (Fall 2013, Graduate)

Moderator, WaterSim: A Decision Game. Information Systems, W.P. Carey School of Business, ASU.

**WIS 6934 / LAS 6938: Networking Women in Sustainability Science and Action** (Spring 2013, Graduate, online).

Instructor, Department of Wildlife Ecology and Conservation, UF.

**REL 5937/WIS 6934/VME 6934: Animal Ethics** (Fall 2012, Undergraduate).

Guest Lecturer, Department of Religion, UF.

**WIS 4523: Human Dimensions of Natural Resource Conservation.** (Spring 2011/2012, Undergraduate/Graduate).

Guest Lecturer, Department of Wildlife Ecology and Conservation, UF.

Graduate Teaching Assistant, Department of Wildlife Ecology and Conservation, UF.

**WIS 2040: Wildlife Issues in a Changing World** (Spring 2011, Undergraduate)

Teaching Assistant, Department of Wildlife Ecology and Conservation, UF.

**WIS 2552: Biodiversity Conservation: Global Perspectives** (Spring 2011, Undergraduate)

Teaching Assistant, Department of Wildlife Ecology and Conservation, UF.

**WIS 4934: Natural Resource Ecology** (Spring 2010, Fall 2011, Undergraduate).

Course Development, Teaching Assistant, Department of Wildlife Ecology and Conservation, UF.

### CONFERENCE PRESENTATIONS & SYMPOSIA

V. Gutierrez, **Wald, D.M.**, M. Elser. (In review). *Citizen science through participation: Engaging teachers and students in cutting-edge water conservation*. AAAS Conference. February 11-12, 2015. San Jose, California.

**Wald, D.M.**, E. W. Johnston, K. Leong, L. Ogden (October 2014). *The Challenge of Networked Governance for Large Landscapes and Natural Resource Conservation*. Pathways 2014 Conference: Integrating Human Dimensions into Fish and Wildlife Management. Estes Park, CO.

**Wald, D.M.**, E. W. Johnston, and A. Vinze. (October 2014). *The Dynamics of Shared Governance for Collaborative Wildlife Management*. Pathways 2014 Conference: Integrating Human Dimensions into Fish and Wildlife Management. Estes Park, CO.

**Wald, D.M.**, R. Krishnamurthy, E. W. Johnston, and A. Vinze. (July 2014). *Understanding the Influence of Power on Collaborative Decision Making for the Management of Natural Resources*. North American Congress for Conservation Biology. July 13-16, 2014 in Missoula, Montana

**Wald, D.M.**, E. W. Johnston, R. Krishnamurthy, and A. Vinze (March 2014). *Interactive Simulations to Promote Prosocial Behavior and Collaborative Decision Making*. External Advisory Committee Meeting. Decision Center for a Desert City. Arizona State University.

Krishnamurthy, R., **Wald, D.M.**, Johnston, E. W., and Vinze, A. (February 2014) *A Scenario-based Evaluation: The Influence of Power & Resource Differences on Collaborative Decision Making*. AAAS Conference, February 13-17, 2013, Chicago.

**Wald, D.M.**, Jacobson, S.K. (July 2013). *A Multivariate Model of Stakeholder Conflict over the Lethal Management of Outdoor Cats*. Society for Conservation Biology. International Congress for Conservation Biology.

**Wald, D.M.** (October, 2012) *Understanding Stakeholder Conflict: An Analysis of Public Values, Risk Perceptions and Attitudes Toward Outdoor Cat Management*. Department of Wildlife Ecology and Conservation Seminar. University of Florida. Gainesville, FL.

**Wald, D.M.** & Jacobson, S.K. (September, 2012) *The Risks Associated with Feral Cats: Experiences, Attitudes and Perceptions in Florida*. Pathways to Success Conference: Integrating Human Dimensions into Fisheries & Wildlife Management. Breckenridge, CO.

**Wald, D.M.** & Jacobson, S. K. (May, 2012) *Predicting the perceived risks and benefits of free-roaming cats*. 32nd Annual Coordinating Committee Meeting. USGS FL Cooperative Fish and Wildlife Research Unit. Ordway Swisher Biological Station. Melrose, FL.

**Wald, D.M.** & Jacobson, S. K. (March, 2012) *The influence of perceptions, attitudes and experiences on the perceived risks and benefits of free-roaming cats*. Vertebrate Pest Conference. Monterey, CA.

**Wald, D.M.** (September, 2010) *The Conservation Value of Residential Open Space: Florida's Land Development Regulations and the Implications for Conservation Development*. Pathways to Success: Integrating Human Dimensions into Fish and Wildlife Management Conference. Estes Park, Colorado.

**Wald, D. M.** (2009). *An analysis of the risk of invasive species in South Africa*. NSF research day. UF.

**Wald, D. M.** & Hostetler, M (2008). *Policy Mechanisms to Enhance the Long-term Management of Sustainable Communities*. The Wildlife Society Annual Conference. Miami, FL

**Wald, D. M.,** & Gazda, S. (2005). *Invasive Species: Early Detection and Reporting Part I*. NEAQ, Boston, MA.

**Wald, D. M.,** & Gazda, S. (2005). *Invasive Species: Early Detection and Reporting Part II*. NEAQ, Boston, MA.

**Wald, D. M.,** & Gazda, S. (2005). *Invasive Species: Early Detection and Reporting Part III*. NEAQ, Boston, MA.

Padawer, S. & **Wald, D. M.** (2005). *Invasive Species; Early Detection and Reporting Workshop for Teachers*. On the Waterfront Institute, Department of Education. NEAQ, Boston, MA.

**Wald, D. M.** (2003). *The Impact of Shifting Land Tenure Systems on Livelihood Strategies, Land use Methods and the Ecological, Social, and Cultural Variables within the Kuku Group Ranch*. Kajiado District, Kenya

## **INVITED LECTURES**

My Future Phoenix: A Citizen Science Initiative to Forecast the Future of a Desert City. DCDC Summer Teacher Workshop. July 15, 2014. Global Institution of Sustainability, Arizona State University.

CIRCL for Effective Natural Resource Management: Creating an innovative, reflective, and connected space for learning and effective natural resource management. November 19, 2013. Co-Lab, Global Institute of Sustainability, Arizona State University.

Understanding Stakeholders in Natural Resource Management: Implications for iUTAH and the WRMA. (2013). Utah State University and the University of Utah.

The Structure of Environmental Conflict (2013). Sieving lab, Graduate seminar. University of Florida.

Designing a Research and Extension Program in STEM Education (2013). Agricultural Education and Communication departmental seminar.

Cats and Birds: Separating facts from fiction (2011). Bird Fanciers Club. Gainesville, FL.

From pets to pests: The spatial distribution of free roaming domestic cats (*Felis catus*). Eco think tank. Graduate seminar. University of Florida.

## **SYNERGISTIC ACTIVITIES**

### **Invited peer-Reviewer:**

*National Science Foundation: Decision, Risk, and Management Sciences, Island Press, Biological Conservation, Society and Natural Resources, Wildlife Biology, Wildlife Research, Environment & Behavior, Applied Environmental Education and Communication, Journal of Environmental and Public Health, North American Congress for Conservation Biology.*

### **Professional Affiliations:**

- Society for Risk Analysis: Risk Communication Specialty Group and Decision Analysis (2010-present)
- Society for Conservation Biology; Social Science Working Group (SCB) (2008-present)
- Global Women Scholars Network (2011-present)

### **Service:**

- Organized Research Methods Workshop Proposal for International Conference of Congress Biology
- Invited Moderator: Landscape-Scale Governance, Human Dimensions of Wildlife Conference, Estes Park, CO (2014).
- Design Team: Prosperity Game, American Indian Higher Education Consortium. Washington, DC (present)
- Invited Moderator: Socio-Economics and Environmental Planning Session, North American Congress for Conservation Biology, Missoula, MT (2014).
- WaterSim Steering Committee Participant, ASU (2013-2014);
- Graduate Representative, Search Committee, Dept. Wildlife Ecology and Conservation, Departmental Chair, UF (2012).
- Board Member for the SPICE Advisory Board, UF (2011-2013);
- President, Wildlife Graduate Students Association, UF (2009 -2010);
- Graduate member of 10 year review committee Dept. Wildlife Ecology and Conservation (2010);
- Wildlife Representative, Graduate Student Council, UF (2008-2010);
- Vice President, Wildlife Graduate Students Association, UF (2008-2009);
- Secretary, Wildlife Graduate Students Association, UF (2007 -2008).

### **Public Outreach/Media/Blog Posting:**

- **Wald, D.M.**, Krishnamurthy, R., Johnston, E.W. [The Missing Link: Empathy, Power, and Collaboration](#), posted April 16, 2014.
- Kao, Chen-Yu, **Wald, D.M.**, Johnston, E.W. [Failure Capacity in Public Governance Systems](#), posted February 17, 2014.
- The CPI Lab. [Introducing CPI-Now: Our Rationale for Academic Blogging](#), posted October 25, 2013,
- Longo et al. (The CPI Lab) [What's an Honest Policy Informatician to do?](#) posted October 28, 2013.
- Humane Research Council: HumaneSpot Spotlight Selections [HumaneSpot.org](#) October 21, 2013.

## **PROFESSIONAL QUALIFICATIONS**

**Languages:** Fluent in Hebrew. Familiar with American Sign Language

**Computer Skills:** Proficient in SPSS, Amos, R, Mplus. Website development HTML, WordPress, Drupal.