

ALEJANDRO E. CAMACHO
UNIVERSITY OF CALIFORNIA, IRVINE SCHOOL OF LAW
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ACADEMIC APPOINTMENTS

UNIVERSITY OF CALIFORNIA, IRVINE

Professor of Law, 2011- Present

Director, UCI Law Center for Land, Environment, and Natural Resources, 2011 - Present

Professor of Political Science (courtesy), 2011 - Present

Acting Professor of Law, 2010-2011; *Visiting Professor*, 2009 - 2010

Courses: Environmental Law; Property; Regulatory Design and Innovation; Environmental Law Practicum

University Service: UCI Oceans (Steering Comm., 2015-Present); Water UCI (Affiliate, 2017-Present); Annual Latino Excellence and Achievement Dinner, Planning Comm. and Awards Subcomm. (2017-Present); Academic Senate, Council on Student Experience (2012-2015); Environment Institute (Steering Comm., 2012-2013; Affiliate, 2010-2013; Search Comm., 2010-11); Newkirk Center for Science & Society (Affiliate, 2010-2013).

Law School Service: Appointments Comm. (2010-11; Chair, 2017-Present); Center for Biotechnology and Global Health Policy (Affiliate, 2015-Present); Faculty Advisor, Environmental Law Society (2009-Present); Promotion & Tenure Comm. (2011-2012, 2014-2015) & Subcomm. (2012-14, 2016-17); Ad Hoc Comm. on Mentoring (2016-17); Intellectual Life Comm. (2013-14, 2015-2016); Jessup Competition Selection Comm. (2011); Self-Study Comm. (2010); Student Affairs Comm. (2009-10).

YALE LAW SCHOOL, NEW HAVEN, CONNECTICUT

Florence Rogatz Visiting Professor of Law, Fall 2017

Courses: Environmental Law; Regulatory Design

NOTRE DAME LAW SCHOOL

Associate Professor of Law, 2005-2010

Courses: Environmental Law; Property; Regulatory Reform & Innovation

University and Law School Service: Faculty Fellow, Institute for Latino Studies (2008-2010); Affiliated Faculty, Notre Dame Global Linkages of Biology, Env't, & Society Program (2005-2010); Admissions Comm. (2006-2007); Loan Repayment Assistance Program Comm. (2007-2010); Faculty Advisor, Hispanic Law Students Ass'n (2007-2008); Faculty Advisor, Environmental Law Society (2005-2010).

LONDON LAW CENTRE, UNIVERSITY OF NOTRE DAME, LONDON, UNITED KINGDOM

Associate Professor of Law, Fall 2008

Course: Regulatory Reform & Innovation

GEORGETOWN UNIVERSITY LAW CENTER

Research Fellow and Adjunct Professor of Law, 2003-2005

Course: Environmental Ethics and the Professional Role

BOSTON COLLEGE, POLITICAL SCIENCE DEPARTMENT

Visiting Lecturer in Law, 1997-1998

Course: Environmental Law

HONORS AND AWARDS

Elected Member, AMERICAN LAW INSTITUTE, 2017-Present.

Top Five Environmental Law Article of the Year, LAND USE AND ENVIRONMENT LAW REVIEW (awarded for *Going the Way of the Dodo: De-Extinction, Dualisms, and Reframing Conservation*, 92 WASH. U. L. REV. 849 (2015)).

Nominee, *2L/3L Professor of the Year*, U.C. IRVINE SCHOOL OF LAW, 2015-16.

Honorable Mention, NINTH ANNUAL ENVIRONMENTAL LAW & POLICY ANNUAL REVIEW, ENVIRONMENTAL LAW INSTITUTE AND VANDERBILT UNIVERSITY LAW SCHOOL (awarded for *Going the Way of the Dodo: De-Extinction, Dualisms, and Reframing Conservation*, 92 WASH. U. L. REV. 849 (2015)).

2010 Recipient, Walton H. Hamilton Prize for Outstanding Scholarship, YALE LAW SCHOOL, JOURNAL ON REGULATION, 2010.

Top Five Environmental Law Article of the Year, LAND USE AND ENVIRONMENT LAW REVIEW (awarded for *Assisted Migration: Redefining Nature and Natural Resource Law under Climate Change*, 27 YALE J. ON REG. 171 (2010)).

Top Five Land Use Law Article of the Year, LAND USE AND ENVIRONMENT LAW REVIEW (awarded for *Mustering the Missing Voices: A Collaborative Model for Fostering Equality, Community Involvement and Adaptive Planning in Land Use Decisions, Installment One*, 24 STAN. ENVTL. L.J. 3 (2005)).

PUBLICATIONS

Law Review Articles and Essays

Legal Adaptive Capacity: How Program Goals and Processes Shape Federal Land Adaptation to Climate Change, 87 U. COLO. L. REV. 711-826 (2016) (with Robert L. Glicksman).

Going the Way of the Dodo: De-Extinction, Dualisms, and Reframing Conservation, 92 WASH. U. L. REV. 849-906 (2015) (to be reprinted in David L. Callies & J.B. Ruhl, eds., LAND USE & ENV'T L. REV. 319-378 (Thomson Reuters 2016-2017) (peer reviewed)).

Functional Government in 3-D, 51 HARV. J. ON LEGIS. 19-88 (2014) (with Robert L. Glicksman).

Community Benefits Agreements: A Symptom, Not the Antidote, of Bilateral Land Use Regulation, 78 BROOKLYN L. REV. 355-383 (2013) (invited).

Transforming the Means and Ends of Natural Resource Management, 89 N.C. L. REV. 1405-54 (2011).

A Learning Collaboratory: Improving Federal Climate Change Adaptation Planning, 2011 BYU L. REV. 1821-61 (2011).

Assisted Migration: Redefining Nature and Natural Resource Law under Climate Change, 27 YALE J. ON REG. 171-255 (2010) (reprinted in A. Daniel Tarlock & David L. Callies eds., LAND USE AND ENVIRONMENT

LAW REVIEW (Thomson West 2011) (peer reviewed)).

Collaborative Planning and Adaptive Management in Glen Canyon: A Cautionary Tale, 35 COLUM. J. ENVTL. L. 1-55 (2010) (with Lawrence Susskind & Todd Schenk).

Adapting Governance to Climate Change: Managing Uncertainty through a Learning Infrastructure, 59 EMORY L. J. 1-77 (2009) (to be excerpted in JOEL A. MINTZ, ET AL., A PRACTICAL INTRODUCTION TO ENVIRONMENTAL LAW (CAROLINA ACADEMIC PRESS) (forthcoming June 2017)).

Beyond Conjecture: Learning about Ecosystem Management from the Glen Canyon Dam Experiment, 8 NEV. L. J. 942-63 (2008) (invited).

Can Regulation Evolve? Lessons from a Study in Maladaptive Management, 55 UCLA L. REV. 293-358 (2007).

Mastering the Missing Voices: A Collaborative Model for Fostering Equality, Community Involvement and Adaptive Planning in Land Use Decisions, Installment Two, 24 STAN. ENVTL. L.J. 269-330 (2005) (reprinted in Patricia Salkin ed., ZONING AND PLANNING LAW HANDBOOK 945-1017 (Thomson West 2006) (peer reviewed)).

Mastering the Missing Voices: A Collaborative Model for Fostering Equality, Community Involvement and Adaptive Planning in Land Use Decisions, Installment One, 24 STAN. ENVTL. L.J. 3-69 (2005) (reprinted in A. Daniel Tarlock & David L Callies eds., LAND USE AND ENVIRONMENT LAW REVIEW 119-181 (Thomson West 2006) (peer reviewed)) (reprinted in Patricia Salkin ed., ZONING AND PLANNING LAW HANDBOOK 863-943 (Thomson West 2006) (peer reviewed)).

Science Articles

Managed Relocation: Integrating the Scientific, Regulatory, and Ethical Challenges (with Mark Schwartz et al.). 62 BIOSCIENCE 732-743 (2012) (peer reviewed).

A Critical Assessment of Collaborative Adaptive Management in Practice (with Lawrence Susskind and Todd Schenk), 49 J. APPLIED ECOLOGY 47-51 (2011) (peer reviewed).

Reassessing Conservation Goals in a Changing Climate (with Holly Doremus, Jason McLachlan, & Ben Minteer), ISSUES IN SCI. & TECH., Summer 2010, 21-26.

Multidimensional evaluation of managed relocation (with David Richardson et al.), 106 PROC. NATL. ACAD. SCI. 9721-24 (2009) (peer reviewed).

Books and Book Chapters

REORGANIZING GOVERNMENT: A FUNCTIONAL AND DIMENSIONAL FRAMEWORK (with Robert L. Glicksman) (NYU PRESS forthcoming 2019).

Managing ecosystem effects in an era of rapid climate change, in CLIMATE CHANGE LAW 555-566 (ELGAR, DANIEL FARBER & MARJAN PEETERS, EDS. 2016).

Maintaining Resilience In the Face of Climate Change, in SOCIAL-ECOLOGICAL RESILIENCE AND LAW 235-264 (COLUMBIA UNIV. PRESS 2014) (with T. Douglas Beard).

Managing Adaptation: Developing a Learning Infrastructure in the United States' Federal System, in IMPLEMENTING ADAPTATION STRATEGIES BY LEGAL, ECONOMIC AND PLANNING INSTRUMENTS ON CLIMATE CHANGE 41-54 (SPRINGER 2014).

Case Study 6: San Marcos Creek Special Area Management Plan, in MITIGATION BANKING: THEORY AND PRACTICE (Lindell L. Marsh et al. eds., Island Press, 1996).

Case Study 4: Riverside County Habitat Conservation Plan, in MITIGATION BANKING: THEORY AND PRACTICE (Lindell L. Marsh et al. eds., Island Press, 1996).

Published Reports

Improving Water Quality and Ecosystem Health in California's Marine Managed Areas, 48 ENVTL. L. REP. 10818-36 (2018) (with Elizabeth Taylor and Stephanie Talavera).

Conservation Limited: Assessing the Limitations of State Laws and Resources for Endangered Species Protection, UC IRVINE LAW CENTER FOR LAND, ENVIRONMENT, & NATURAL RESOURCES REPORT NO. 3 (2017) (with Michael Robinson-Dorn, Asena Yildiz, and Tara Teegarden), reprinted as *Assessing State Laws and Resources for Endangered Species Protection*, 47 ENVTL. L. REP. 10837 (2017).

Memo to the Next President: A Progressive Vision of Government and Protective Safeguards, CENTER FOR PROGRESSIVE REFORM (Aug. 2016) (with David Driesen, Robert Glicksman, Thomas McGarity, Sidney Shapiro, Joseph Tomain, Robert Verchick, and James Goodwin), available at http://progressivereform.org/articles/CPR_Memo_to_Next_Pres_Prog_Vision_1606.pdf.

Emerging Regulatory Experiments in Permit Process Coordination for Endangered Species and Aquatic Resources in California, 46 ENVTL. L. REP. 10131 (2016) (with Elizabeth Taylor, Melissa Kelly, & Stephanie Talavera).

Lessons from Area-Wide Multi-Agency Habitat Conservation Plans in California, UC IRVINE LAW CENTER FOR LAND, ENVIRONMENT, & NATURAL RESOURCES REPORT NO. 1 (2015) (with Elizabeth Taylor and Melissa Kelly), reprinted in 46 ENVTL. L. REP. 10222 (2016).

Making Good Use of Adaptive Management, CENTER FOR PROGRESSIVE REFORM WHITE PAPER # 1104 (2011) (with Holly Doremus, William L. Andreen, Daniel A. Farber, Robert L. Glicksman, Dale Goble, Bradley C. Karkkainen, Daniel Rohlf, A. Dan Tarlock, Sandra B. Zellmer, Shana Jones, and Yee Huang).

Shorter Legal and Other Publications

Blind focus on 'energy dominance' may cripple Endangered Species Act, THE HILL (Oct. 4, 2018) <https://thehill.com/opinion/energy-environment/410005-blind-focus-on-energy-dominance-may-cripple-endangered-species-act>.

Turning power over to states won't improve protection for endangered species, THE CONVERSATION (Jan. 11, 2018), <https://theconversation.com/turning-power-over-to-states-wont-improve-protection-for-endangered-species-87495> (republished in L.A. TIMES, SAN FRANCISCO CHRONICLE, CHICAGO TRIBUNE, THE ASSOCIATED PRESS, and other news outlets).

Wildlife laws aren't ready for the return of extinct species, AXIOS (June 22, 2017), <https://www.axios.com/wildlife-laws-arent-ready-for-de-extinct-species-2445130259.html>.

Congress Wants Land Agency to Ignore the Facts and Future, CPRBLOG (Feb. 28, 2017), <http://www.progressivereform.org/CPRBlog.cfm?idBlog=0ACD6185-0636-2092-811079BE2309B574> (with Robert Glicksman).

Legal Adaptive Capacity and How Agencies Respond to Change, REGBLOG (Aug. 8, 2016), <http://www.regblog.org/2016/08/08/glicksman-camacho-legal-adaptive-capacity-how-agencies-respond-to-change/> (with Robert L. Glicksman).

On Climate Change Preparation, Record of Land Management Agencies Is Mixed, CPRBLOG (July 20, 2016), <http://bit.ly/2au7bvi> (with Robert Glicksman).

Going the Way of the Dodo: De-Extinction, Dualisms, and Reframing Conservation, 46 ENVTL. L. REP. 10701 (2016) (peer reviewed).

A Visionary but Flawed Program Needs to Evolve, 33 ENVIRONMENTAL FORUM 50 (May/June 2016).

Climate Change by Administrative Law?, DAILY J. (Feb. 18, 2016) (with Joseph F. C. DiMento).

Foreword: Environmental Law at UCI, 1 UC IRVINE L. REV. 1081-89 (2012) (with Michael Robinson-Dorn and Joseph DiMento).

Why Federal Climate Change Legislation Shouldn't Stop States From Innovating in Adaptation Efforts, CPRBLOG (May 27, 2010), <http://www.progressivereform.org/CPRBlog.cfm?idBlog=D5C84AED-945C-C3FD-544E28312EF15CF5>.

On Adaptation, Kerry-Lieberman Climate Bill Largely Similar to ACES, But Drops Several Provisions and Provides Less Money, CPRBLOG (May 14, 2010), <http://www.progressivereform.org/CPRBlog.cfm?idBlog=94E5459C-97E7-DDCE-87B470670A5F3030>.

Climate Change Adaptation Still Being Given Short Shrift in Local, State, and Federal Government, CPRBLOG (November 09, 2009), <http://www.progressivereform.org/CPRBlog.cfm?idBlog=D7819AB5-EC36-9AA0-80708822A4D91DD2>.

Boxer-Kerry Centralizes Procedures for Adaptation But Lacks Substantive Guidance, CPRBLOG (October 07, 2009), <http://www.progressivereform.org/CPRBlog.cfm?idBlog=2F4A0AC3-9C36-B744-0E6837E8236BF962>.

Interior's Initiative on Adaptation Will Need to Overcome a Legacy of Inaction, CPRBLOG (September 18, 2009), <http://www.progressivereform.org/CPRBlog.cfm?idBlog=CD5C73F0-FA12-C1DE-B3ADD951AE431420>.

Tweaking the Climate Change Adaptation Proposal, CPRBLOG (May 05, 2009), <http://www.progressivereform.org/CPRBlog.cfm?idBlog=11A6FA89-1E0B-E803-CA23E6C66F372991>.

Waxman-Markey: Adaptation, CPRBLOG (April 07, 2009), <http://www.progressivereform.org/CPRBlog.cfm?idBlog=821DA05A-1E0B-E803-CAB2F26DB3327080> (with Holly Doremus).

Climate Change and Regulatory Fragmentation in the Great Lakes Basin, 17 MICH. ST. J. INT'L L. 139-54 (2008).

Mustering the Missing Voices, NOTRE DAME LAWYER, Fall 2006, at 24.

New Source Review Reform: Federal Clean Air Act at a Crossroads, with Robert M. Sussman et al., 23 NO. 24 ANDREWS HAZARDOUS WASTE LITIG. REP. 10 (2003).

CERCLA Rights and Liabilities, with Gene A. Lucero et al., SF32 ALI-ABA 1 (2000).

Book Note, 10 HARV. J.L. & TECH. 689 (1997) (reviewing HENRY J. PERRITT, JR., LAW AND THE INFORMATION SUPERHIGHWAY).

Works in Progress

Durable Destabilization in Metropolitan Governance (with Nicholas J. Marantz).

Synthetic Conservation Law.

Regulatory Dualisms and Fragmentation: Unexamined barriers to species conservation under climate change (with Jason McLachlan).

PRESENTATIONS AND SPEAKING ENGAGEMENTS

Speaker, *Reimagining Environmental and Natural Resources Law: 2020 and Beyond*, GEORGE WASHINGTON UNIV. LAW SCHOOL, March 21-22, 2019 (confirmed).

Presenter, NORTHWESTERN UNIVERSITY LAW SCHOOL ENVIRONMENTAL COLLOQUIUM, March 14, 2019 (confirmed).

Speaker, *The Changing Landscape of Public Lands*, COLORADO LAW REVIEW SYMPOSIUM, March 1, 2019 (confirmed).

Speaker, FIFTH ANNUAL FORUM FOR THE ACADEMY AND THE PUBLIC, UC IRVINE, Feb. 8-9, 2019 (confirmed).

Speaker/Participant, *Adapting Law to Climate Change*, CLIMATE ADAPTATION IMPLEMENTATION BARRIERS WORKSHOP, sponsored by USFWS, FLORIDA FWC, TNC & NWF, Orlando, Florida, June 12-13, 2018.

Participant, *Adaptive Water Governance Workshop*, NATIONAL SOCIO-ENVIRONMENTAL SYNTHESIS CENTER, Annapolis, Maryland, February 7-9, 2018.

Participant, Multiple Agency/Interest Collaboration and Funding of Wildlife Habitat Conservation in Anticipation of Development, ENVIRONMENTAL LAW INSTITUTE, Washington, DC, Jan. 18, 2018.

Participant, *Yale Workshop on Trade and Climate Change*, YALE UNIVERSITY, Nov. 30-Dec. 1, 2017.

Distinguished Speaker, *Assisted Migration and Other Emerging Conservation Strategies*, YALE CENTER FOR ENVIRONMENTAL LAW & POLICY, Nov. 14, 2017.

Presenter, *Re-organizing Government: The Functions and Dimensions of Regulatory Authority*, YALE LAW SCHOOL FACULTY WORKSHOP, Nov. 6, 2017.

Briefing, *Assessing State Laws and Resources for Endangered Species Protection*, UNITED STATES SENATE (hosted by Senator Tammy Duckworth), Washington, DC, Sept. 28, 2017.

Speaker, *Natural Resources, Energy, and Environment in a Climate Changed World*, UNIV. OF COLORADO LAW SCHOOL, Aug. 10, 2017.

Speaker, *A New Paradigm for Conservation Biology*, DEPT. OF ECOLOGY & EVOLUTIONARY BIOLOGY, UNIV. OF CALIF., IRVINE, May 5, 2017.

Panelist, *The Legacy of Massachusetts v. EPA*, CLIMATE, CARBON, AND CARS, 2017 EARTH DAY CONFERENCE, UNIV. OF CONN. SCHOOL OF LAW, April 21, 2017.

Presenter, *Assisted Migration and Species Translocation*, CALIFORNIA GRIZZLY STUDY GROUP, UNIVERSITY OF CALIFORNIA, SANTA BARBARA, March 10, 2017.

Presenter, GEORGETOWN UNIV. LAW CENTER ENVIRONMENTAL RESEARCH WORKSHOP, Feb. 9, 2017.

Presenter, GEORGE WASHINGTON UNIV. LAW SCHOOL, Nov. 11, 2016 (workshop dedicated to ALEJANDRO E. CAMACHO & ROBERT L. GLICKSMAN, *(RE)ORGANIZING GOVERNMENT: THE FUNCTIONS AND DIMENSIONS OF REGULATORY AUTHORITY*).

Speaker, *De-extinction, legal dualisms, and reframing conservation policy*, NORTH AMERICAN ORNITHOLOGICAL CONFERENCE, Washington, DC, Aug. 19, 2016.

Speaker, *CLEANR and Climate Change Adaptation*, SIERRA CLUB OF ORANGE COUNTY, Tustin, California, June 14, 2016.

Speaker, *NEPA, the ESA, and the Functional Tradeoffs of Inter-Agency Coordination*, SUSTAINABILITY CONFERENCE OF AMERICAN LEGAL EDUCATORS, ARIZONA STATE UNIVERSITY, May 13, 2016.

Panelist, *Improving Habitat Conservation Planning*, CLE INTERNATIONAL ENDANGERED SPECIES ACT CONFERENCE, San Diego, California, February 26, 2016.

Participant, *Redeveloping Democracy: Capturing the Public and Private Value(s) of Land Use*, UCI Law CLEANR Roundtable, Dec. 4, 2015.

Participant, *Developing a National Habitat Conservation Plan Coalition*, U.S. Fish & Wildlife Service National Conservation Training Center, Shepherdstown, West Virginia, November 9-10, 2015.

Participant, *Roundtable on Permit Coordination*, ENVIRONMENTAL LAW INSTITUTE, Washington, DC, July 30 2015.

Speaker, *Conserving Species in a Changing Climate*, DIG DEEPER ABOUT CLIMATE CHANGE FILM & SPEAKER SERIES, Orange, California, June 11, 2015.

Presenter, *Federal Land Agency Adaptation*, CENTER FOR PROGRESSIVE REFORM SCHOLAR'S MEETING, Washington, DC, California, May 19, 2015.

Lecturer, *Conserving Species in a Changing Climate*, CLE INTERNATIONAL ENDANGERED SPECIES ACT CONFERENCE, San Diego, California, March 27, 2015.

Energy & Environmental Forum Lecture, HOWARD H. BAKER JR. CENTER FOR PUBLIC POLICY, UNIVERSITY OF TENNESSEE, March 12, 2015.

Participant, *Adaptive Management Workshop*, GEORGE WASHINGTON UNIV. LAW SCHOOL, Sept. 19, 2014.

Presenter, *Second Annual Research Roundtable on Natural Preservation in a Rapidly Changing Climate*, NORTHWESTERN UNIV. LAW SCHOOL, July 17-18, 2014.

Presenter, *Federal Land Planning for Climate Change*, THE ROLE OF PLANNING IN FEDERAL LAND MANAGEMENT, J.B. & MAURICE C. SHAPIRO ENVIRONMENTAL LAW SYMPOSIUM, GEORGE WASHINGTON UNIVERSITY LAW SCHOOL, March 13-14, 2014.

Presenter, *Joint Fact-finding: Taking Stock, Refining Practice, Setting Direction*, UNIV. OF HAWAI‘I AT MĀNOA, March 6-8, 2014.

Panelist, *Law of De-Extinction*, NATIONAL ACADEMY OF SCIENCES, COMMITTEE ON SCIENCE, TECHNOLOGY, AND LAW, Washington, DC, November 18-19, 2013.

Host/Moderator, *The Collision of Energy Development and Environmental Laws*, UCI LAW CENTER FOR LAND, ENVIRONMENT, AND NATURAL RESOURCES, October 3, 2013.

Respondent, *The Law and Economics of Redevelopment: Kelo and Beyond*, FEDERALIST SOCIETY, UNIV. OF CALIF., IRVINE CHAPTER, September 30, 2013.

Panelist, *Federal Environmental Law*, THE LAW AND ETHICS OF DE-EXTINCTION, STANFORD LAW SCHOOL, May 31, 2013.

Moderator, *Environmental Regulation*, THE COSTS AND BENEFITS OF COST-BENEFIT ANALYSIS, LAW & ECONOMICS SYMPOSIUM, UNIV. OF CALIF., IRVINE, March 15, 2013.

Herbert F. Boehl Distinguished Lecturer, CENTER FOR LAND USE & ENVIRONMENTAL RESPONSIBILITY, LOUIS D. BRANDEIS SCHOOL OF LAW, UNIV. OF LOUISVILLE, March 4, 2013.

Presenter, *Functional Government in 3-D*, LOUIS D. BRANDEIS SCHOOL OF LAW, UNIV. OF LOUISVILLE, March 4, 2013.

Presenter, *Redefining Nature and Natural Resource Law*, ASSISTED MIGRATION: A PRIMER FOR REFORESTATION AND RESTORATION DECISION MAKERS, WESTERN FORESTRY & CONSERVATION ASSOCIATION, Portland, Oregon, February 21, 2013.

Presenter, *The Law and Ethics of Assisted Migration and Other Emerging Conservation Strategies*, LEVIN COLLEGE OF LAW, UNIV. OF FLORIDA, January 25, 2013.

Presenter, *Government Organization: A Functional and Dimensional Approach*, FLORIDA STATE UNIV. COLLEGE OF LAW, January 24, 2013.

Presenter, *De-Extinction and Natural Resources Law, De-extinction Projects, Techniques, and Ethics*, NATIONAL GEOGRAPHIC SOCIETY, Washington, D.C., October 23-24, 2012.

Presenter, *Climate Change, Biodiversity, and ESA*, Searle Center Research Roundtable on Climate Change, Adaptation, and Biodiversity, NORTHWESTERN UNIV. LAW SCHOOL, October 4-5, 2012.

Lecturer, *Transforming Natural Resource Management*, EMPOWERING SUSTAINABILITY ON EARTH, NEWKIRK CENTER FOR SCIENCE & SOCIETY, UNIV. OF CALIF., IRVINE, July 23, 2012.

Presenter, *A Framework for Managing Climate Change Adaptation in Diverse Contexts*, UNIV. OF MINNESOTA LAW SCHOOL, May 4, 2012.

Moderator, *Law & Governance*, PESTICIDES: DOMESTIC & INTERNATIONAL PERSPECTIVES FROM SCIENCE, LAW & GOVERNANCE, UNIV. OF CALIF., IRVINE, April 12, 2012.

Workshop on Private Sector Climate Change Adaptation, UNIV. OF NORTH CAROLINA, March 30, 2012.

Presenter, *A Framework for Managing Climate Change Adaptation in Diverse Contexts*, NORTHWESTERN UNIV. LAW SCHOOL, March 8, 2012.

Lecturer, *Transforming the Means and Ends of Natural Resource Management*, SCHOOL OF NATURAL RESOURCES AND THE ENVIRONMENT, UNIV. OF ARIZONA, February 16, 2012.

Panelist, *Negotiated Land Use Regulation*, POST ZONING: ALTERNATIVE FORMS OF PUBLIC LAND USE CONTROLS, BROOKLYN LAW REVIEW, February 10, 2012.

Presenter, CLIMATE & ENERGY LAW WORKSHOP, UCLA SCHOOL OF LAW, Nov. 10, 2011.

Lecturer, *Transforming Natural Resource Management*, EMPOWERING SUSTAINABILITY ON EARTH, NEWKIRK CENTER FOR SCIENCE & SOCIETY, UNIV. OF CALIF., IRVINE, July 22, 2011.

Presenter, *Allocating Authority in an Uncertain and Dynamic World*, NORTHWESTERN UNIVERSITY LAW SCHOOL, April 8, 2011.

Panelist, *Environmental Law Waitlisted, New Ideas and New Directions in Environmental Law and Scholarship*, YALE LAW SCHOOL, April 2, 2011.

Presenter, *Transforming the Means and Ends of Natural Resource Management*, BERKELEY LAW SCHOOL ENVIRONMENTAL LAW WORKSHOP, March 28, 2011.

Panelist, *Climate Change Adaptation*, DISASTERS AND THE ENVIRONMENT, BYU LAW REVIEW Symposium, Feb. 3-4, 2011.

Moderator, PRESERVING THE ENVIRONMENT OF THE ARCTIC, UNIV. OF CALIF., IRVINE, Nov. 12, 2010.

Presenter, *Transforming the Means and Ends of Natural Resource Management*, Climate Change Adaptation Workshop, GEORGE WASHINGTON LAW SCHOOL, Nov. 5, 2010.

Panelist, *Transforming the Means and Ends of Natural Resource Management*, UNIV. OF NORTH CAROLINA LAW REVIEW SYMPOSIUM, Oct. 15, 2010.

Presenter, *Transforming the Means and Ends of Natural Resource Management*, CHAPMAN UNIV. SCHOOL OF LAW, Oct. 5, 2010.

Host/Moderator, *Colorado River Delta*, MARINE & FRESHWATER CONSERVATION LAW & GOVERNANCE, UNIV. OF CALIFORNIA, IRVINE, May 14, 2010.

Presenter, *Redefining Nature and Natural Resource Law under Climate Change*, STANFORD LAW SCHOOL ENVIRONMENTAL WORKSHOP, April 19, 2010.

Participant, *Workshop on Law and Climate Change Adaptation*, UNIV. OF NORTH CAROLINA, April 12, 2010.

Presenter, *Assisted Migration: Redefining Nature & Natural Resource Law under Climate Change*, UNIV. OF WASHINGTON LAW SCHOOL FACULTY WORKSHOP, April 8, 2010.

Keynote Speaker, *Adapting Governance to Climate Change*, ADDRESSING UNCERTAINTY OF ENVIRONMENTAL PROBLEMS: THE CHALLENGES OF ADAPTIVE MANAGEMENT, NATIONAL SEA GRANT LAW CENTER, UNIV. OF MISSISSIPPI SCHOOL OF LAW, March 30, 2010.

Panelist, *Climate Change Adaptation and Intersystemic Governance*, GEORGETOWN INTERNATIONAL ENVIRONMENTAL LAW REVIEW SYMPOSIUM, GEORGETOWN UNIV. LAW CENTER, March 26, 2010.

Panelist, *Adapting Governance to Climate Change*, ASSOCIATION FOR LAW, PROPERTY, AND SOCIETY

ANNUAL MEETING, GEORGETOWN UNIV. LAW CENTER, March 6, 2010.

Moderator and Panelist, *Climate Change and Adaptation in a Federal System*, ASSOCIATION OF AMERICAN LAW SCHOOLS ANNUAL MEETING, New Orleans, Louisiana, Jan. 9, 2010.

Panelist, *Adaptive Management*, CENTER FOR PROGRESSIVE REFORM SEMI-ANNUAL MEETING, New Orleans, Louisiana, Jan. 6, 2010.

Speaker, *Redefining Nature through Assisted Migration*, PRIORITIES OF ENVIRONMENTAL LAW AND HEALTH, UNIV. OF CALIFORNIA, IRVINE, Oct. 9, 2009.

Panelist, *Climate Change Governance*, RESCUES, REFORMS & RECOVERY: THREATS & OPPORTUNITIES FOR BUSINESS, UNIV. OF CALIF., IRVINE SCHOOL OF LAW, Sept. 3, 2009.

Presenter, *Is Assisted Migration a Viable Adaptation to Climate Change?*, NEW THINKING ABOUT CLIMATE CHANGE LAW & POLICY, UNIV. OF COLORADO LAW SCHOOL, Aug. 7, 2009.

Commenter, *The Politics of Nature: Climate Change, Environmental Law, and Democracy*, by Jedediah Purdy, NEW THINKING ABOUT CLIMATE CHANGE LAW & POLICY, UNIV. OF COLORADO LAW SCHOOL, Aug. 7, 2009.

Presenter, *The Legality and Ethics of Assisted Migration*, ECOLOGICAL SOCIETY OF AMERICA ANNUAL MEETING, Albuquerque, New Mexico, Aug. 5, 2009.

Presenter, *The Legality and Ethics of Assisted Migration*, PROPERTY WORKS IN PROGRESS CONFERENCE, UNIV. OF COLORADO LAW SCHOOL, June 2, 2009.

Moderator, *Works in Progress Session One*, PROPERTY WORKS IN PROGRESS CONFERENCE, UNIV. OF COLORADO LAW SCHOOL, June 1, 2009.

Panelist, *Assisted Migration*, CLIMATE CHANGE SOLUTIONS, 2009 NATURAL RESOURCES LAW TEACHERS INSTITUTE, ROCKY MOUNTAIN MINERAL LAW FOUNDATION, Chico Hot Springs, Montana, May 29, 2009.

Panelist, *Climate Change Adaptation, Uncertainty & Learning in a Federal System*, LAYERING GOVERNANCE: MULTI-LEVEL REGULATION UNDER BUSH AND BEYOND, EMORY LAW SCHOOL, April 30, 2009.

Presenter, *Climate Change Adaptation, Uncertainty & Learning in a Federal System*, NOTRE DAME LAW SCHOOL, April 28, 2009.

Guest Lecturer, *Climate Change Adaptation*, Climate Change Seminar, NOTRE DAME LAW SCHOOL, Feb. 20, 2009.

Presenter, *Adapting Governance to Climate Change*, UNIV. OF ST. THOMAS SCHOOL OF LAW, Minneapolis, Minnesota, Jan. 26, 2009.

Panelist, *The Candidates and the Global Environment*, THE AMERICAN ELECTION: THE VIEW FROM ABROAD, NOTRE DAME LONDON CENTRE, United Kingdom, Oct. 29, 2008.

Presenter, *Smart Growth and Public Participation in Regulatory Decision-making*, TULANE LAW SCHOOL, June 20, 2008.

Presenter, *Adapting Governance: Climate Change and the Great Lakes*, MICHIGAN STATE UNIV. COLLEGE OF LAW, Feb. 15, 2008.

Panelist, *Collaborative Management of Glen Canyon Dam*, COLLABORATION AND THE COLORADO RIVER, UNIV. OF NEVADA, LAS VEGAS SCHOOL OF LAW, Oct. 12, 2007.

Presenter, *Mass. v. EPA*, Faculty Colloquium, NOTRE DAME LAW SCHOOL, Aug. 13, 2007.

Lecturer, *Collaboration & Participation in Regulatory Decision making*, INTERNATIONAL LEGISLATIVE DRAFTING INSTITUTE, PUBLIC LAW CENTER, Washington, D.C., June 19, 2007.

Moderator, Symposium, *Election and Lobbying Reform: Can Congress Really Change the Political System?*, JOURNAL OF LEGISLATION, NOTRE DAME LAW SCHOOL, March 29, 2007.

Respondent, *The Other Alien Debate: The Biology and Policy of Invasive Species*, Law & Series, NOTRE DAME LAW SCHOOL, Feb. 8, 2007.

Presenter, *Making Regulation Evolve: Lessons from Regulatory Maladaptive Management*, Faculty Workshop Series, UNIV. OF ILLINOIS SCHOOL OF LAW, Jan. 29, 2007.

Presenter, *Making Regulation Evolve*, GEORGETOWN UNIV. LAW CENTER ENVIRONMENTAL RESEARCH WORKSHOP, Dec. 4, 2006.

Speaker, *Endangering the Endangered Species Act's Habitat Conservation Program*, NOTRE DAME LAW SCHOOL ENVIRONMENTAL LAW SOCIETY, Nov. 10, 2006.

Presenter, *The Un-Adaptive Management of Adaptive Management*, Faculty Workshop Series, NORTHWESTERN UNIV. SCHOOL OF LAW, April 27, 2006.

Presenter, *On Evolution and Deliberation: The Maladaptive Management of the Habitat Conservation Plan Program*, NOTRE DAME LAW SCHOOL, March 28, 2006.

Lecturer, *Mustering the Missing Voices*, CHICAGO-KENT COLLEGE OF LAW, ILLINOIS INSTITUTE OF TECHNOLOGY, Nov. 3, 2005.

Panelist, *Rebuilding New Orleans: An Interdisciplinary Discussion*, NOTRE DAME LAW SCHOOL, Oct. 27, 2005.

Panelist, *An American Tragedy: Katrina in Focus*, DEPARTMENT OF AFRICANA STUDIES, UNIV. OF NOTRE DAME, Oct. 4, 2005.

Presenter, *The Challenges and Prospects of Collaborative Land Use Regulation*, GEORGETOWN UNIV. LAW CENTER, Nov. 16, 2004.

Presenter, *Is All Fair in Land Use Regulation?*, GEORGETOWN LAW CENTER, June 8, 2004.

Presenter, *Negotiated Land Use Regulation*, UNIV. OF CONNECTICUT LAW SCHOOL, April 2, 2004.

Guest Lecturer, *Land Use Law*, GEORGETOWN UNIVERSITY LAW CENTER, Nov. 2003.

Respondent, *Lucas v. The Green Machine*, by Vicki Been, Environmental Research Workshop, GEORGETOWN UNIV. LAW CENTER, Nov. 2003.

Panelist, *The Legal Profession*, U.C. IRVINE, School of Social Sciences, 2001, 2002.

PAST SCIENTIFIC AND COLLABORATIVE GRANTS

Co-investigator, *Collaboratory for Adaptation to Climate Change* (\$1.55 million from National Science Foundation; \$100,000 seed funding from Univ. of Notre Dame).

Affiliated Faculty, *Notre Dame Environmental Change Initiative* (\$3 million from Univ. of Notre Dame).

Head of Policy Subgroup, *Assisted Migration: Evaluating a New Strategy for Species Conservation* (Principal investigators, Dov Sax, Ecology & Evolutionary Biology, Brown Univ., and Jason McLachlan, Biol. Sci., Notre Dame) (funded by National Science Foundation and Cedar Tree Foundation).

CONFERENCE ORGANIZATION

Co-Organizer and Moderator, *Desalination*, UCI Law CLEANR, October 15, 2015.

Organizing Committee, *Ocean Health, Global Fishing and Food Security*, UCI Law CLEANR, November 21, 2014.

Co-Organizer and Moderator, *Harmonizing Marijuana Legalization with Environmental, Land Use, and Other Regulations*, UCI Law CLEANR, October 23, 2014.

Panel Organizer and Moderator, *Genetically Modified: Food Security, Health and the Environment*, UCI Law CLEANR, March 10, 2014.

Organizing Committee, *The Collision of Energy Development and Environmental Laws*, UCI Law CLEANR, October 3, 2013.

Organizing Committee, *Southern California Tribal Water Forum*, UCI Law CLEANR, Nov. 16, 2013.

Organizing Committee, *De-Extinction Law & Ethics*, Stanford Law Center for Law and the Biosciences and UCI Law CLEANR, May 31, 2013.

Organizing Committee, *The Future of Offshore Drilling*, UCI Law CLEANR, Nov. 8-9, 2012.

Organizing Committee, *Pesticides in International Science, Law and Governance*, UCI Law Center for Land, Environment, & Natural Resources and Newkirk Center for Science & Society, April 12-13, 2012.

Organizing Committee, *Snow Melt & Glacier Melt*, UCI School of Law and Newkirk Center for Science and Society, October 21, 2011.

Organizing Committee, *Marine Conservation of the California Coast*, UCI School of Law and Newkirk Center for Science and Society, March 4, 2011.

Organizing Committee, *Preserving the Environment of the Arctic Region*, UCI School of Law and Newkirk Center for Science and Society, Nov. 12, 2010.

Organizing Committee, *Marine & Freshwater Conservation Law & Governance, With Case Studies from Mexico*, UCI School of Law & Newkirk Center for Science & Society, May 14, 2010.

Panel Organizer and Moderator, *Climate Change and Adaptation in a Federal System*, Association of American Law Schools Annual Meeting, New Orleans, Louisiana, Jan. 9, 2010.

Organizing Committee, *Priorities of Environmental Law and Health*, UCI School of Law and Newkirk Center for Science and Society, Oct. 9, 2009.

ROUNDTABLE ORGANIZATION AND FACILITATION

Convener and Facilitator, *California's Pioneering Marine Protected Areas*, UCI Law CLEANR Roundtable, January 13, 2017.

Co-convener, *Tensions of Transparency: Open Government Laws in Land Use Regulation*, UCI Law CLEANR Roundtable, Dec. 9, 2016.

Convener and Facilitator, *Adaptive Management of Marine Protected Areas*, UCI Law CLEANR Roundtable, June 9, 2016.

Co-Organizer, *Innovation in Habitat Conservation Planning*, White House Council on Environmental Quality, Washington, D.C., July 30, 2015.

Convener and Facilitator, *Lessons from the Natural Community Conservation Planning Experience in Southern California*, UCI Law CLEANR Roundtable, July 15, 2015.

Co-Convener and Co-Facilitator, *The Financing and Mitigation of Habitat Conservation through Infrastructure Planning*, UCI Law CLEANR Roundtable, Sacramento, California, December 11, 2014.

Co-Convener and Co-Facilitator, *The Future of Habitat Conservation Planning*, UCI Law CLEANR Roundtable, Feb. 6-7, 2014.

EDUCATION

GEORGETOWN UNIVERSITY LAW CENTER, WASHINGTON, DC

LL.M., January 2005

HARVARD LAW SCHOOL, CAMBRIDGE, MASSACHUSETTS

J.D., *cum laude*, June 1998

Journals: *Harvard Environmental Law Review*, Submissions Editor, Article Editor

Activities: La Alianza; Environmental Law Society

UNIVERSITY OF CALIFORNIA, IRVINE

B.A., *summa cum laude*, Political Science, June 1995

B.A., *summa cum laude*, Criminology, Law, and Society, June 1995

Honors: *Phi Beta Kappa*; Order of Merit; Univ. of Ca. Regents Scholar; Robert C. Byrd Scholarship; Serafines de Orange County Scholarship; Pi Sigma Alpha Political Science Honor Society

LEGAL EXPERIENCE

LATHAM & WATKINS, LOS ANGELES, CALIFORNIA

Associate, Environment, Land and Resources Department, 1998-2003

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION, BOSTON, MASSACHUSETTS

Intern, Office of General Counsel, January-June 1997

SONNENSCHN NATH & ROSENTHAL, LOS ANGELES, CALIFORNIA

Summer Associate, May-August 1996

SIEMON, LARSEN, AND MARSH, IRVINE, CALIFORNIA

Senior Environmental Intern, 1993-1995

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Member Scholar, CENTER FOR PROGRESSIVE REFORM, 2008-Present

Comment Letter, Proposed Rule, *Species Listing and Critical Habitat, Endangered Species Act*, Docket No. FWS-HQ-ES-2018-0006, (Sept. 24, 2018) (with Eric Biber, Robin Craig, Robert Fischman, Dave Owen, W. William Weeks).

Comment Letter, Proposed Rule, *Threatened Species, Endangered Species Act*, Docket No. FWS-HQ-ES-2018-0007, (Sept. 24, 2018) (with Eric Biber, Robin Craig, Robert Fischman, Dave Owen, W. William Weeks).

Comment Letter, Proposed Rule, *Consultation, Endangered Species Act*, Docket No. FWS-HQ-ES-2018-0009 (Sept. 24, 2018) (with Eric Biber, Robin Craig, Robert Fischman, Dave Owen, W. William Weeks).

Amicus curiae, *Center for Biological Diversity v. Zinke* (9th Cir. Case No. 16-35866, 2017).

Comment Letter, CLEANR to U.S. Fish and Wildlife Service, *Habitat Conservation Planning Handbook* (March 23, 2015).

Amicus curiae, *People v. Rinehart* (Cal. Supreme Ct. Case No. S222620, 2015).

Comment Letter, Proposed Rule, *Interagency Cooperation under the Endangered Species Act*, Docket # FWS-R9-ES-2008-0093, 73 Fed. Reg. 47868 (Aug. 15, 2008) (with Holly Doremus, Robert L. Glicksman, Daniel J. Rohlf, Mark Schwartz, and Margaret Clune Giblin).

Affiliate, The Newkirk Center for Science and Society, 2010-2013

ASSOCIATION OF AMERICAN LAW SCHOOLS

Executive Committee, Section on Natural Resources, 2010-2011

Chair, Section on Natural Resources, 2009-2010

Chair-Elect, Section on Natural Resources, 2008-2009

Secretary, Section on Natural Resources, 2007-2008

Member, Sections on State & Local Government Law; Natural Resources and Energy Law; Environmental Law; Administrative Law; Alternative Dispute Resolution; Property, Minority Groups, 2005-Present

Peer Reviewer/Referee

LAND USE AND ENVIRONMENT LAW REVIEW, 2008-Present (First- or Second-Level Review)
SCIENCE, 2018

JOURNAL OF LAW AND THE BIOSCIENCES, 2018

JOURNAL OF RESPONSIBLE INNOVATION, 2018

BIODIVERSITY & CONSERVATION, 2017

ETHICS, POLICY & ENVIRONMENT, 2017

JOURNAL OF PLANNING LITERATURE, 2017

CONSERVATION LETTERS, 2015

ECOLOGY AND SOCIETY, 2012, 2013, 2016

LAW AND SOCIETY REVIEW, 2012

ENVIRONMENTAL MANAGEMENT, 2012

CONSERVATION BIOLOGY, 2011

STANFORD LAW REVIEW, 2010

REGULATION & GOVERNANCE, 2010

ITALIAN JOURNAL OF PUBLIC LAW, 2009

JOURNAL OF LEGAL EDUCATION, 2006

Environmental Law Institute, 2005-Present

Climate Change Media Partnership, 2009-Present

Hispanic National Bar Association, 2004-Present

Lawyers' Committee for Cultural Heritage Preservation, 2006-Present

Judge, American Constitution Society for Law & Policy, Richard D. Cudahy Writing Competition on Regulatory and Administrative Law, 2012, 2013

Judge, Philip C. Jessup International Law Moot Court Competition: South Bend, Indiana, 2007; Washington, DC, 2004

American Bar Association, Section of Environment, Energy, and Resources

Committee on Climate Change, Sustainable Development & Ecosystems, 2007-Present

Committee on Innovation, Management Systems and Trading, 2007-Present

Committee on Endangered Species, 2003-Present

Special Committee on Smart Growth and Urban Policy, 2003-2007

Committee on Water Quality and Wetlands, 2001-2003

Admitted to State of California Bar

INTERVIEWS AND MEDIA APPEARANCES

Rebecca Beitsch, [*Giving States More Power Over Endangered Species Could Be Bad News for Animals*](#), HUFF. POST (Oct. 10, 2018).

Ed Clendaniel, [*Who should pay for California wildfire damages?*](#), THE MERCURY NEWS (August 2, 2018).

Michael Hiltzik, [*Big utilities are desperately trying to stick customers for the bills from California wildfires*](#), LOS ANGELES TIMES (May 4, 2018).

Edvard Pettersson, Joel Rosenblatt, & Mark Chediak, [*Edison, PG&E Seek Mercy From Courts Over Doomsday Fire Payouts*](#), BLOOMBERG (April 23, 2018).

Amel Ahmed, [*California, Trump Administration Clash Over Sale of Public Lands*](#), KQED (April 10, 2018).

Claudia Shambaugh, [*Mr. Khosla's Neighborhood*](#), ASK A LEADER, KUCI 88.9 FM (April 10, 2018).

Cally Carswell, [*Threatened plants on state lands have few protections*](#), HIGH COUNTRY NEWS (Nov. 27, 2017).

Thy Vo, [*The Battle Over Banning Ranch Isn't Done*](#), VOICE OF OC (April 4, 2017).

Don Debenedictis, [*Calif. Supreme Court Puts Kybosh on Coastal Project*](#), COURTHOUSE NEWS SERVICE (March 31, 2017).

Dan Robitzski, [*De-extinction debunked: what we didn't learn from Jurassic Park*](#), SCIENCELINE (March 22, 2017).

[*Supreme Court Climate \(Audio\)*](#), SEA CHANGE RADIO (Feb. 16, 2016).

[*Bloomberg Law: Malibu Developers Take on Streisand \(Audio\)*](#), BLOOMBERG RADIO (Jan. 9, 2015).

Jean Hastings Ardell, [*Measure Y and Private Property Rights*](#), NEWPORT BEACH INDEP. (Sept. 19, 2014).

Virginia Gewin, [*Laws Lag Behind Science in De-Extinction Debate*](#), DISCOVER (June 5, 2013).

Liza Gross, [*De-Extinction Debate: Should Extinct Species Be Revived?*](#), KQED SCIENCE (June 5, 2013).

Australian Associated Press, [*Hopes alive for extinct species revival*](#), THE AUSTRALIAN (June 4, 2013).

Lisa M. Krieger, [*Scientists examine the ethics of reviving extinct animal species*](#), DENVER POST (June 1, 2013).

Lisa M. Krieger, [*Extinct species revival raises hopes, fears*](#), MERCURY NEWS (May 31, 2013).

Kiera Butler, [*Should We Move Creatures Threatened by Climate Change?*](#), MOTHER JONES (Jan./Feb. 2012).

Dug Begley, [*Developer in San Jacinto probe got permits that drove up parkway costs*](#), THE PRESS-ENTERPRISE (Jan. 18, 2010).

Orange County Superior Court judge says Huntington Beach officials broke environmental rules, ORANGE COUNTY REGISTER (Sept. 2009).

[*Notre Dame researchers describe new tool for evaluating “managed relocations.”*](#) E! SCIENCE NEWS (May 28, 2009).

Emma Marris, [*Moving on assisted migration*](#), NATURE REPORTS CLIMATE CHANGE (Aug. 28, 2008).