

**ALEJANDRO E. CAMACHO**  
**UNIVERSITY OF CALIFORNIA, IRVINE SCHOOL OF LAW**  
**401 EAST PELTASON DRIVE, 4500-A**  
**IRVINE, CA 92697-8000**  
acamacho@law.uci.edu • (949) 824-4160 (office) • (949) 824-5652 (facsimile)

**ACADEMIC APPOINTMENTS**

**UNIVERSITY OF CALIFORNIA, IRVINE**

*Chancellor's Professor of Law*, 2020 - Present

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

*Professor of Political Science* (courtesy), 2011 - Present

*Associate Dean for Faculty Research and Development*, 2022 – 2023; *Professor of Law*, 2011 - 2020;  
*Acting Professor of Law*, 2010 - 2011; *Visiting Professor*, 2009 - 2010

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

*University Service*: Solutions that Scale (Affiliate, 2021-Present); Water UCI (Affiliate, 2017-Present); Annual Latino Excellence and Achievement Dinner, Planning Comm. and Awards Subcomm. (2017-2021, 2022-Present); Merage Center for Global Leadership & Sustainability (Academic Advisory Board, 2019-Present); Provost's Climate Change and Environmental Sustainability Work Group (2021-2023); Law School Dean Search Committee (Chair, 2021-2022); Academic Senate Task Force on Climate Change (2021); Hellman Fellowship Program Advisory Panel (2019); UCI Oceans (Steering Comm., 2015-18); Environment Institute (Steering Comm., 2012-13; Affiliate, 2010-13; Search Comm., 2010-11); Academic Senate, Council on Student Experience (2012-15); Newkirk Center for Science & Society (Affiliate, 2010-13).

*Law School Service*: Appointments Comm. (2010-11, 2018-21; 2022-23; Chair, 2024-Present, 2018-19; Interim Chair, 2020; Co-chair, 2020-2021); Center for Biotechnology and Global Health Policy (Affiliate, 2015-Present); Faculty Advisor, Environmental Law Society (2009-Present); Faculty Advisor, Latinx Law Student Association (2017-Present); Mentoring Comm. (Chair, 2022-23); Intellectual Life Comm. (2022-23, 2013-14, 2015-16); Strategic Planning Comm. (2021-2023); Promotion & Tenure Comm. (2011-12, 2014-15) & Subcomm. (2012-14, 2016-17, 2019-20); Ad Hoc Comm. on Mentoring (2016-17); 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**

Top Twenty Article of the Year, Fifteenth Annual Environmental Law & Policy Annual Review, Environmental Law Institute and Vanderbilt University Law School (awarded for *Beyond Preemption, Toward Metropolitan Governance*, 39 STAN. ENVTL. L.J. 125-198 (2020) (with Nicholas J. Marantz)).

Elected Fellow, American Bar Foundation, 2020-Present.

Nominee, *2L/3L Professor of the Year*, U.C. IRVINE SCHOOL OF LAW, 2019-20.

[Top Ranked U.S. Legal Scholars for Interdisciplinary Scholarly Impact, 2019](#) (ranked thirty-first).

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**

### **Books and Book Chapters**

[ENVIRONMENTAL PROTECTION: LAW AND POLICY, NINTH EDITION](#) (with Robert L. Glicksman, William W. Buzbee, Daniel R. Mandelker, and Emily Hammond) (Aspen 2023).

TEACHER'S MANUAL, ENVIRONMENTAL PROTECTION: LAW AND POLICY, NINTH EDITION (with Robert L. Glicksman, William W. Buzbee, Daniel R. Mandelker, and Emily Hammond) (Aspen 2023).

*The Endangered Species Act*, in [GLOBAL CLIMATE CHANGE AND U.S. LAW, THIRD EDITION](#) (MICHAEL B. GERRARD, JODY FREEMAN & MICHAEL BERGER, EDS.) (ABA 2023).

TEACHER'S MANUAL, PROPERTY: CASES & MATERIALS, FIFTH EDITION (with James Charles Smith and Edward J. Larson) (Aspen 2022).

[PROPERTY: CASES & MATERIALS, FIFTH EDITION](#) (with James Charles Smith and Edward J. Larson) (Aspen 2022).

[REORGANIZING GOVERNMENT: A FUNCTIONAL AND DIMENSIONAL FRAMEWORK](#) (with Robert L. Glicksman) (NYU PRESS 2019) (reviewed by Joel A. Mintz, 5 ADMIN. L. REV. ACCORD 81-84 (2019); P. Lermack, 57 CHOICE 695 (2020); Antonio Villalpando Acuña, 29 GESTIÓN Y POLÍTICA PÚBLICA 503-509 (2020)).

[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).

### **Law Journal Articles and Essays**

*The Case for Addressing Ecological Risk from Emerging Biotechnologies and an Agenda for Future Reforms*, 85 OHIO ST. L. J. (with David Dana) (forthcoming 2025).

[Adapting Conservation Governance under Climate Change: Lessons from Tribal Country](#), 110 VA. L. REV. 1549 (2024) (with Elizabeth Kronk Warner, Jason McLachlan, and Nathan Kroeze).

[In the Anthropocene: Adaptive Law, Ecological Health, and Biotechnologies](#), 15 LAW, INNOVATION & TECH. 280-312, doi: 10.1080/17579961.2023.2184133 (2023).

[Six Priority Recommendations for Improving Conservation under the ESA](#), 51 ENVTL. L. REP. 10785-10804 (with Melissa L. Kelly & Ya-Wei Li) (2021).

[Designing Regulation Across Organizations: Assessing the Functions and Dimensions of Governance](#), 15 REG. & GOVERNANCE S102-S122 (2021) (with Robert L. Glicksman) (peer reviewed).

[Structured to Fail: Lessons from The Trump Administration's Faulty Pandemic Planning and Response](#), 10 MICH. J. ENVTL. & ADMIN. L. 329-81 (2021) (with Robert L. Glicksman).

[De- and Re-constructing Public Governance for Biodiversity Conservation](#), 73 VAND. L. REV. 1585-1641 (2020).

[Beyond Preemption, Toward Metropolitan Governance](#), 39 STAN. ENVTL. L.J. 125-198 (2020) (with Nicholas J. Marantz).

[\*The Trump Card: Tarnishing Planning, Democracy, and the Environment\*](#), 50 ENVTL. L. REP. 10281-89 (2020) (with Robert L. Glicksman).

[\*Bulldozing Infrastructure Planning and the Environment through Trump's Executive Order 13807\*](#), 91 U. COLO. L. REV. 511 (2020).

[\*Mitigating Climate Change through Transportation and Land Use Policy\*](#), 49 ENVTL. L. REP. 10473-92 (2019) (with Melissa L. Kelly, Nicholas J. Marantz, and Gabriel Weil).

[\*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).

[\*Assessing State Laws and Resources for Endangered Species Protection\*](#), 47 ENVTL. L. REP. 10837 (2017) (with Michael Robinson-Dorn, Asena Yildiz, and Tara Teegarden).

[\*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).

[\*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\*](#), 46 ENVTL. L. REP. 10222 (2016) (with Elizabeth Taylor and Melissa Kelly).

[\*Going the Way of the Dodo: De-Extinction, Dualisms, and Reframing Conservation\*](#), 92 WASH. U. L. REV. 849-906 (2015) (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 & ENV'T L. REV. (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) (excerpted in JOEL A. MINTZ, ET AL., A PRACTICAL INTRODUCTION TO ENVIRONMENTAL LAW (CAROLINA ACADEMIC PRESS) (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) (reprinted in J. B. RUHL, ED., PROPERTY LAW (EDWARD ELGAR PUBLISHING) (2020)).

[\*Mustering 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 & PLAN. L. HANDBOOK 945-1017 (Thomson West 2006) (peer reviewed)).

[\*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. 3-69 (2005) (reprinted in A. Daniel Tarlock & David L Callies eds., LAND USE & ENV'T L. REV. 119-181 (Thomson West 2006) (peer reviewed)) (reprinted in Patricia Salkin ed., ZONING & PLAN. L. HANDBOOK 863-943 (Thomson West 2006) (peer reviewed)).

### **Science Articles**

[\*Regulatory Fragmentation: An Unexamined Barrier to Species Conservation Under Climate Change\*](#) (with Jason S. McLachlan), 3 FRONTIERS IN CLIMATE 735608 (2021), doi: 10.3389/fclim.2021.735608 (reprinted in J.B. RUHL, ET AL., EDs., [COORDINATING CLIMATE CHANGE ADAPTATION AS RISK MANAGEMENT](#) 54-61 (2022)).

[\*Governing Complexity: Integrating science, governance, and law to manage accelerating change in the globalized commons\*](#) (with Barbara Cosens, J.B. Ruhl, Niko Sojinen, Lance Gunderson, Brian Chaffin, Robin Craig, Holly Doremus, Robert Glicksman, Rhett Larson, Antti Belinskij, Jukka Simila, Anna-Stiina Heiskanen, and Thorsten Blenckner), 118 PROC. NATL. ACAD. SCI. e2102798118 (2021).

[\*Managed Relocation: Integrating the Scientific, Regulatory, and Ethical Challenges\*](#) (with Mark Schwartz et al.), 62 BIOSCIENCE 732-743 (2012).

[\*A Critical Assessment of Collaborative Adaptive Management in Practice\*](#) (with Lawrence Susskind and Todd Schenk), 49 J. APPLIED ECOLOGY 47-51 (2011).

[\*Reassessing Conservation Goals in a Changing Climate\*](#) (with Holly Doremus, Jason McLachlan, & Ben Minter), 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).

### **Reports**

[\*Tap into Resilience: Pathways for Localized Water Infrastructure\*](#), CLEANR BRIEFING REPORT (with Melissa L. Kelly, Cynthia Koehler, and Caroline Koch) (2021).

[\*The Six Priority Recommendations for Improving Conservation under the Federal Endangered Species Act\*](#), CLEANR BRIEFING REPORT (with Melissa L. Kelly & Ya-Wei Li) (2021).

[CLIMATE, ENERGY, JUSTICE: THE POLICY PATH TO A JUST TRANSITION FOR AN ENERGY-HUNGRY AMERICA](#) (2020) (with Shalanda H. Baker, William W. Buzbee, Daniel Farber, Robert L. Fischman, Victor Flatt, Robert L. Glicksman, Alice Kaswan, Alexandra B. Klass, Christine A. Klein, Sarah Krakoff, Joel A. Mintz, Uma Outka, Dave Owen, Daniel J. Rohlf, Karen Sokol, Joseph Tomain, Hannah J. Wiseman, and Sandra B. Zellmer).

[\*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).

[\*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**

[\*Inefficient and Reckless: The Danger of DOGE\*](#), THE HILL (Dec. 3, 2024) (with Robert L. Glicksman and James Goodwin).

*Governance Limitations of the Coordinated Framework's Regulation of EMERs*, in [CALTECH CENTER FOR SCIENCE, SOCIETY, AND PUBLIC POLICY, POLICY RECOMMENDATIONS FOR THE REGULATION OF ENGINEERED MICROBES FOR ENVIRONMENTAL RELEASE](#) (2024).

[\*Imagining the next 50 years of the Endangered Species Act\*](#), THE HILL (Dec. 26, 2023).

[\*Biden Picks Conservation Advocate Tracy Stone-Manning to Lead the Bureau of Land Management. Here are Five Priorities for Our Public Lands\*](#), CPRBLOG (April 23, 2021).

[\*Opinion Analysis: Court favors deliberative-process privilege protections over FOIA transparency goals\*](#), SCOTUSblog (Mar. 6, 2021) (with Melissa Kelly).

[\*Argument analysis: Court considers bright-line and case-specific standards for the Freedom of Information Act's "deliberative process" privilege\*](#), SCOTUSblog (Nov. 4, 2020) (with Melissa L. Kelly).

[\*Case preview: Court will consider the scope of transparency under the Freedom of Information Act's key "deliberative process" privilege\*](#), SCOTUSblog (Oct. 30, 2020) (with Melissa L. Kelly).

[\*The Trump Administration's Latest Unconstitutional Power Grab\*](#), REG. REV. (Aug. 24, 2020) (with Robert L. Glicksman).

[\*The Shape of Water After County of Maui v. Hawaii Wildlife Fund\*](#), REG. REV. (July 28, 2020) (with Melissa Kelly) (highlighted in [SCOTUSblog](#)).

[\*The Trump Administration's Pandemic Response is Structured to Fail\*](#), REG. REV. (May 19, 2020) (with Robert L. Glicksman).

[\*Trump is trying to cripple the environment and democracy\*](#), THE HILL (Jan. 18, 2020) (with Robert L. Glicksman).

[\*How to Improve Allocations of Regulatory Authority\*](#), REG. REV. (Oct. 22, 2019) (with Robert L. Glicksman).

[\*A Better Approach to Factoring Federalism Considerations into Regulatory Strategies\*](#), NOTICE & COMMENT (Oct. 14, 2019) (with Robert L. Glicksman).

[\*Trump's Decision to Hamstring California's Climate Authority Is Illogical and Uninformed\*](#), THE REVELATOR (Oct. 4, 2019) (with Robert L. Glicksman).

[\*Trump administration rollbacks disable environmental planning and democracy\*](#), THE HILL (Sept. 3, 2019).

[\*What President Trump's Infrastructure Agenda Gets Wrong\*](#), REG. REV. (May 6, 2019).



[\*A defeat on offshore drilling extends the Trump administration's losing streak in court\*](#), THE CONVERSATION (April 9, 2019) (with Robert Glicksman), (republished in CHICAGO TRIBUNE, HOUSTON CHRONICLE, SAN FRANCISCO CHRONICLE, SEATTLE POST-INTELLIGENCER).

[\*Acclimatizing Conservation\*](#), BLARB (Feb. 4, 2019).

[\*Blind focus on 'energy dominance' may cripple Endangered Species Act\*](#), THE HILL (Oct. 4, 2018) (with Melissa Kelly).

[\*Turning power over to states won't improve protection for endangered species\*](#), THE CONVERSATION (Jan. 11, 2018) (with Michael Robinson-Dorn) (republished in LOS ANGELES 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).

[\*Congress Wants Land Agency to Ignore the Facts and Future\*](#), CPRBLOG (Feb. 28, 2017) (with Robert Glicksman).

[\*Legal Adaptive Capacity and How Agencies Respond to Change\*](#), REGBLOG (Aug. 8, 2016).

[\*On Climate Change Preparation, Record of Land Management Agencies Is Mixed\*](#), CPRBLOG (July 20, 2016) (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).

[\*On Adaptation, Kerry-Lieberman Climate Bill Largely Similar to ACES, But Drops Several Provisions and Provides Less Money\*](#), CPRBLOG (May 14, 2010).

[\*Climate Change Adaptation Still Being Given Short Shrift in Local, State, and Federal Government\*](#), CPRBLOG (November 09, 2009).

[\*Boxer-Kerry Centralizes Procedures for Adaptation but Lacks Substantive Guidance\*](#), CPRBLOG (October 07, 2009).

[\*Interior's Initiative on Adaptation Will Need to Overcome a Legacy of Inaction\*](#), CPRBLOG (September 18, 2009).

[\*Tweaking the Climate Change Adaptation Proposal\*](#), CPRBLOG (May 05, 2009).

[\*Waxman-Markey: Adaptation\*](#), CPRBLOG (April 07, 2009) (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).

*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).

### **Works in Progress**

*A Brief History of U.S. Environmental Law* (with Brigham Daniels) (under contract with NYU PRESS).

*A Novel Climatic Threat Framework Linking Biodiversity's Vulnerability to Administrative Responsibility* (with Agustín Camacho Guerrero, Benedetta Gambioli, Leonardo Vignoli, Jose Guerrero-Casado, and Francesco Cerini).

*Scientific research directions to accelerate policy advances in regulating the environmental release of engineered microbes* (with John Marken et al.).

*The Law and Ethics of Cross-Ocean Coral Transplantation* (with David Dana and Mikhail Matz).

*Empirical Study of Endangered Species Act 7(a)(1) Conservation Programs* (with Gregg Macey, Andrew Carter, & Dave Jennings).

### **SCIENTIFIC AND COLLABORATIVE GRANTS**

Principal Investigator, *Integrated and Equitable Climate Action* (\$1.2 million from Univ. of Calif. Office of Research & Innovation and \$20,000 from the Strategic Growth Council of the State of California (Climate Action Community Engaged Hero Award Supplement), 2023-2025).

Collaborator, *The Ethics of Conservation Biotechnology: A Conceptual Engineering Approach* (Northeastern University Ethics Institute, 2024-2025).

Co-Investigator, *Coastal Justice Lab* (\$50,000 from Multiplier, 2022-ongoing).

Co-Investigator, *Community-Driven Transportation Planning in the San Joaquin Valley* (\$100,000 from Institute for Transportation Studies, 2022-2023).

Co-Investigator, *Data to Improve Community Conditions Shaped by Structural Racism* (\$40,000 from Robert Wood Johnson Foundation, 2022-2023).

Co-Investigator, *Clean Air Act Indirect Source Review* (\$50,000 from Sierra Club, 2022-2023).



Co-Investigator, *Ethics and Equity in Environmental Conflict* (\$40,000 from Newkirk Center for Science and Society, 2022-2023).

Co-Proposer and Recipient, *Infrastructure Equity Cluster Hire Proposal*, Univ. of Calif., Irvine Black Thriving Initiative (2022).

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).

### **AMICUS BRIEFS AND LEGISLATIVE OR REGULATORY COMMENT LETTERS**

*Legal Analysis of Senate Bill 4753: The Energy Permitting Reform Act of 2024* (Nov. 11, 2024) (with David Adelman, John Applegate, Bill Funk, Robert Glicksman, Emily Hammond, Alexandra Klass, Dave Owen, Justin Pidot, Sid Shapiro, and Hannah Wiseman).

Amicus curiae, *Garfield County, Utah, et al. v. Biden, et al.* (10th Cir. Case Nos. 23-4106 & 23-4107, 2024).

Amicus curiae, *Natalie R., et al. v. State of Utah* (Utah S. Ct. Case No. 20230022-SC, 2023).

Comment Letter, Proposed Rule, White House Council on Environmental Quality, *National Environmental Policy Act Implementing Regulations Revisions Phase 2*, Docket No. CEQ-2023-0003 (July 31, 2023) (with Robert Fischman, Daniel Farber, Victor Flatt, Robert Glicksman, Federico Holm, Brad Karkkainen, Hannah Story Brown, James Goodwin, Kaitlyn Johnson, and Dave Owen).

Amicus curiae, *City and County of Honolulu v. Sunoco LP* (Hi. S. Ct. Case No. SCAP-22-0000429, 2023).

Comment Letter, Proposed Rule, *Conservation and Landscape Health*, Docket No. BLM-2023-0001-0001 (June 15, 2023) (with Michael Blumm, et. al).

Amicus curiae, *State of Ohio, et al. v. Environmental Protection Agency, et al.* (D.C. Cir. Case No. 22-1081 and consolidated cases, 2023).

Amicus curiae, *City and County of Honolulu v. Sunoco, and County of Maui v. Chevron* (9<sup>th</sup> Cir. Case Nos. 21-15313, 21-15318, 2017).

Comment Letter, Proposed Rule, *Revised Definition of "Waters of the United States," Clean Water Act*, Docket No. EPA-HQ-OW-2018-0149 (April 15, 2019) (with Dave Owen, et. al).

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).

### **PRESENTATIONS AND SPEAKING ENGAGEMENTS**

Presenter, *The Law and Ethics of Cross-Ocean Coral Transplantation*, UNIV. OF MINNESOTA LAW SCHOOL, March 6, 2025 (confirmed).

Discussant, *The Endangered Species Act: The Next 50 Years*, HARVARD LAW SCHOOL, Nov. 17, 2024.

Panelist, *Structural Choices in Institutional Governance Design*, REGULATORY GOVERNANCE IN A CHANGING WORLD, UNIV. OF PENNSYLVANIA LAW SCHOOL, June 17-18, 2024 (panel dedicated to ALEJANDRO E. CAMACHO & ROBERT L. GLICKSMAN, REORGANIZING GOVERNMENT).

Presenter, *Governing Ecological Risk from Emerging Biotechnologies*, Pathways towards the safe and effective deployment of engineered microbial technologies, CALTECH CENTER FOR SCIENCE, SOCIETY, AND PUBLIC POLICY, Feb 27-28, 2024.

Panelist, *President Biden's Executive Order and Addressing Ecological Risk from Emerging Biotechnologies*, What Next? The Rise, Fall, and Future of American Environmental Law, OHIO STATE UNIV. LAW SCHOOL, Feb. 23, 2024.

Speaker, *Chancellor's Chair Investiture*, UNIV. OF CALIF., IRVINE, April 17, 2023.

Speaker, *Advancing Ecological Conservation on Tribal Lands under Climate Change*, BIODIVERSITY CONFERENCE, LEWIS & CLARK LAW SCHOOL, April 7, 2023.

Panelist, *Assisted Migration in a Rapidly Changing World*, PUBLIC INTEREST ENVIRONMENTAL LAW CONFERENCE, UNIV. OF OREGON, March 4, 2023.

Speaker, *Reconsidering Conservation Governance in the Anthropocene*, STANFORD LAW SCHOOL, Oct. 12, 2022.

Speaker, *Reconsidering Conservation Governance in the Anthropocene*, UNIV. OF CALIF., IRVINE, Sept. 21, 2022.

Presenter, *Environmental Law and Ethics in the Anthropocene*, Reimagining UCI in a Climate-Changed World, UNIV. OF CALIF., IRVINE, April 18, 2022.

Panelist, *Recommendations*, Implementation of the Endangered Species Act, U.S. DEPT. OF INTERIOR, April 12, 2022.

Presenter, *The Future of Conservation? Law and Ethics in the Anthropocene*, NORTHWESTERN UNIV. LAW SCHOOL, March 17, 2022.

Participant, *ESA § 7(a)(1) Scoping Workshop*, DEFENDERS OF WILDLIFE, Sept. 17, 2021, and Oct. 21, 2021.

Judge and Commenter, *Sabin Colloquium on Innovative Environmental Law Scholarship*, COLUMBIA LAW SCHOOL, May 20-21, 2021.

Speaker, *The Future of Conservation? Law and Ethics in the Anthropocene*, Current Issues in Air Quality, Climate and Energy, DEPTS. OF CHEMISTRY & MECHANICAL ENGINEERING, UNIV. OF CALIF., IRVINE, May 10, 2021.

Panelist, *Extinction: Solutions for Species on the Brink Conference*, UNIV. OF CALIF., IRVINE, Feb. 10, 2021.

Speaker, *Beyond Substance and Process: Exploring the Structural Dimensions and Functions of Government Authority*, UNIV. OF PENNSYLVANIA., Feb. 5, 2021.

Keynote Speaker, *Technologies and modalities of regulation*, CONSTITUTIONALIZING THE ANTHROPOCENE, TILBURG UNIV., Tilburg, Netherlands, Dec. 3-4, 2020.

Speaker, *Reorganizing Government*, DEP'T. URB. PLAN. & PUB. POL'Y, UNIV. OF CALIF., IRVINE, Nov. 16, 2020.

Panelist, *The Role of Governance Structure in Promoting Effective and Adaptive Public Policy*, ASSOCIATION FOR PUBLIC POLICY ANALYSIS AND MANAGEMENT 2020 FALL RESEARCH CONFERENCE, Nov. 13, 2020.

Speaker, *Promoting Adaptive Structural Governance*, OVERSIGHT AND ACCOUNTABILITY CONFERENCE, AMERICAN UNIV. WASHINGTON COLLEGE OF LAW, Nov. 6, 2020.

Speaker, *Neglecting Government Organization in Pandemic Planning and Response*, THE C. BOYDEN GRAY CENTER FOR THE STUDY OF THE ADMINISTRATIVE STATE, GEORGE MASON UNIVERSITY ANTONIN SCALIA LAW SCHOOL, Oct. 2, 2020.

Panelist, *Structured to Fail*, U.S. RESPONSE TO THE COVID PANDEMIC, PROGRAM ON REGULATION, UNIV. OF PENNSYLVANIA SCHOOL OF LAW, Aug. 26, 2020.

Panelist, *The Future of Conservation and Emerging Strategies*, FRONTIERS IN ENVIRONMENTAL LAW: 50<sup>TH</sup> EARTH DAY CELEBRATION, UNIV. OF CALIF., IRVINE, April 22, 2020.

Speaker, *Neglecting the Crucial Role of Government Organization in Pandemic Planning and Response*, MINI-CONFERENCES ON CORONAVIRUS AND LAW, UNIV. OF OKLAHOMA COLLEGE OF LAW, April 15, 2020.

Keynote Speaker, *De-extinction, Resurrection, and the Human Species*, TULANE LAW SCHOOL, March 7, 2020.

Presenter, *Assisted Migration and Endangered Species*, IDAHO LAW SCHOOL, Nov. 1, 2019.

Presenter, *Reorganizing Government*, IDAHO LAW SCHOOL, Oct. 31, 2019.

Presenter, *Biodiversity Conservation as a Wicked Problem*, VANDERBILT LAW SCHOOL, Oct. 25, 2019.

Presenter, *Reorganizing Government*, UNIV. OF ARIZONA LAW SCHOOL FACULTY COLLOQUIUM, Oct. 3, 2019.

Speaker, *Reframing Conservation Law and Management in the Anthropocene*, Current Issues in Air Quality, Climate and Energy, DEPTS. OF CHEMISTRY & MECHANICAL ENGINEERING, UNIV. OF CALIF., IRVINE, April 22, 2019.

Presenter, *Metropolitan Governance in 3D*, NORTHWESTERN UNIV. LAW SCHOOL ENVIRONMENTAL COLLOQUIUM, March 14, 2019.

Speaker, *Railroading Infrastructure: Misdirection and Half-truths through "One Federal Decision"*, COLORADO LAW REVIEW SYMPOSIUM, March 1, 2019.

Speaker, *Fire & Ice: The Shifting Narrative of Climate Change*, FIFTH ANNUAL FORUM FOR THE ACADEMY AND THE PUBLIC, UNIV. OF CALIF., IRVINE, Feb. 9, 2019.

Speaker, *Assessing State Laws and Resources for Endangered Species Protection*, SIERRA CLUB 2018 STATE COLLOQUIUM, Santa Fe, New Mexico, Nov. 30, 2018.

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, (REORGANIZING GOVERNMENT)).

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.

Participant, *Proposition 218*, UCI Law CLEANR Roundtable, May 18, 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.

### **CONFERENCE AND SPEAKER ORGANIZATION**

Co-organizer, Film Screening and Discussion, Company Town, October 28, 2019.

Organizer and Moderator, Ted Balaker, Producer, Little Pink House, CLEANR/ELS Film Series, March 27, 2019.

Co-organizer, *2017: The Year of Housing? Affordable Housing and Beyond*, UCI Law CLEANR, March 3, 2017.

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 Co-Facilitator, *Leveraging Interagency Cooperation under ESA 7(a)(1)*, UCI Law CLEANR Roundtable, Irvine, California, Oct. 2024 (confirmed).

Co-convener and Facilitator, *The Future of Species Conservation*, UCI Law CLEANR Roundtable, Washington, DC, Dec. 2020.

Co-convener, *Tap into Resilience: Removing Barriers to Local, Sustainable Water Supply Strategies*, UCI Law CLEANR Roundtable, Sept. 13, 2019.

Convener and Facilitator, *Advocating for Improvements in Species Conservation*, UCI Law CLEANR Roundtable, April 12, 2019.

Convener, *Mitigating Climate Change through Transportation and Land Use Policy: Opportunities and Challenges*, October 19, 2018.

Convener and Facilitator, *Enhancing Coordination and Integrating Water Quality Protection in California's Marine Protected Areas*, UCI Law CLEANR Roundtable, Jan. 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**

Board of Directors, CENTER FOR PROGRESSIVE REFORM, 2021-Present; Member Scholar, 2008-Present

Review Editor, Editorial Board, FRONTIERS IN CLIMATE, CLIMATE LAW & POLICY, 2021-Present

Admitted to State of California Bar

Environmental Law Institute, 2005-Present

Hispanic National Bar Association, 2004-Present

#### Peer Reviewer/Referee

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

JOURNAL OF AGRICULTURAL AND ENVIRONMENTAL ETHICS, 2024

MITIGATION AND ADAPTATION STRATEGIES FOR GLOBAL CHANGE, 2024

HUMAN ECOLOGY REVIEW, 2023

LAND USE POLICY, 2020

CONSERVATION SCIENCE AND PRACTICE, 2020

CLIMATIC CHANGE, 2019

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

#### 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

#### 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

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

Climate Change Media Partnership, 2009-2023

Lawyers' Committee for Cultural Heritage Preservation, 2006-2010

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

### **INTERVIEWS AND MEDIA APPEARANCES**

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