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Jonathan Baert Wiener

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Professor of Environmental Policy, Nicholas School of the Environment, Duke University
Professor of Public Policy, Sanford School of Public Policy, Duke University
Co-Director, Rethinking Regulation program (RR@KIE), Duke University
University Fellow, Resources for the Future (RFF)
Past President & Fellow, Society for Risk Analysis (SRA)
Member, Scientific & Technical Committee, International Risk Governance Council (IRGC)
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Education

- 1987 J.D. *cum laude*, **Harvard Law School**, 1987. Editor, Harvard Law Review, vols. 99-100 (including Co-Chair, Harvard Law Review Centennial, 1987). Best Brief Award, Harvard Defenders Moot Court (with Amy Chua). Second place, Williston Contracts Competition. Assistant Coach, 1985 National Debate Champions (Jonathan Massey & Ed Swaine). Best Individual Speaker, U.S.-Ireland Challenge Debate, 1985 (debate between the national champion teams from the two countries).
- 1984 A.B. *magna cum laude* in Economics, **Harvard College**, 1984. Honors Thesis: "The Impact of Unions on the Pace and Extent of Technological Change in Newspaper Printing," selected as one of three theses published in annual department journal. Member of college debate team ranked 2nd in nation, 1983-84 (with Jonathan S. Massey).

Judicial Clerkships

- 1988-89 Law clerk to the **Hon. Stephen G. Breyer**, U.S. Court of Appeals, First Circuit.
- 1987-88 Law clerk to the **Hon. Jack B. Weinstein**, Chief Judge, U.S. District Court, Eastern District of New York. Special attention to Agent Orange cases.

Professional Experience

- 1994- **Duke University:**
William R. and Thomas L. Perkins Professor of Law, Duke Law School
William R. and Thomas L. Perkins Professor of Law, 2004-present
Professor of Law, 1999-2004; Associate Professor of Law, 1994-98.
Professor of Environmental Policy, Nicholas School of the Environment (secondary appointment), 1994-present (Associate Prof. from 1994-98).
Professor of Public Policy, Sanford School of Public Policy (secondary appointment), 2003-present.

Including:

Founding **Faculty Director, Duke Center for Environmental Solutions**, 2000-2005
 Chair, Faculty Advisory Committee, **Nicholas Institute for Environmental Policy Solutions**, 2007-2010
Director, JD-LLM Program in Comparative and International Law, Duke Law School, 2007-2015
Co-Director, Rethinking Regulation, Kenan Institute for Ethics, 2015 – present.

Courses taught:

Property Law
 Environmental Law
 Climate Change and the Law
 UN Climate Change Negotiations Practicum
 Risk Regulation in the U.S., Europe & Beyond
 Mass Torts
 International/Global Environmental Law
 International Law of the Atmosphere
 Global Property Regimes
 Readings in Happiness Decisions & the Future
 Bass Connections courses:
 - Reviewing Retrospective Regulatory Review
 - Governance and Adaptive Regulation of Transformational Technologies in Transportation
 - Decisions on Complex Interdisciplinary Problems of Health and Environmental Risk
 Guest lectures in numerous courses across the university

2002- **University Fellow**, Resources for the Future (**RFF**), Washington DC.

Visiting appointments

2014 **Professeur Invité, Université Paris Ouest Nanterre La Défense**, Paris, France. June 2014. Course taught: Risk Regulation. Faculty workshop: “La Régulation des Risques en Europe et aux Etats-Unis.”

2010, 2011 **Professeur Invité, Université Paris-Dauphine**, Paris, France. November 2010, October 2011. Lectures on climate change policy and carbon markets.

2010 **Eli Goldston Visiting Professor, Harvard Law School**. Spring Term. Course taught: Risk Regulation.

2008 **Professeur Invité, Sciences Po**, Paris, France. May. Lectures on « Régulation des Risques ».

2007 **Visiting Professor, University of Chicago Law School**. Spring Quarter. Course taught: Environmental Law.

2005-06 **Professeur Invité**, l’Ecole des Hautes Etudes en Sciences Sociales (**EHESS**), et le Centre International de Recherche sur l’Environnement et le Développement (**CIRED**), Paris, France. Year-long sabbatical with short course in March. Course taught : « Le Débat Transatlantique sur le Risque et l’Environnement: Précaution, Changement Climatique, et

l'Avenir de la Politique Publique, » séminaire du Master Economie du développement durable, de l'environnement et de l'énergie (EDDEE).

1999 **Visiting Professor, Harvard Law School.** Spring Term. Courses taught: Environmental Law; Risk Regulation & Its Reform.

Prior experience

1994-95 **Harvard Group on Risk Management Reform.** Helped organize group and draft report for blue-ribbon panel assembled to propose reforms of the federal health, safety and environmental regulatory system (see report citation in "Publications" below).

1993 **White House Office of National Service / Corporation for National & Community Service,** Washington DC. **Chair, Environment Working Group.** Aide to CEO of the new National Service agency; developed environmental component of the new "Americorps" national service program.

1992-93 **Council of Economic Advisers,** Executive Office of the President, Washington DC. **Senior Staff Economist/Attorney,** reporting to CEA Chair Laura Tyson and Members Joseph Stiglitz, Alan Blinder, and David Bradford (in both the Bill Clinton and George H.W. Bush administrations). Responsible for the portfolio of Environment, Natural Resources, and Health & Safety issues, including climate change, global forests, resource subsidies, regulation and risk assessment, biotechnology, market-based incentives for environmental protection. Drafted sections on "Risk" and "Pricing Natural Resources" in 1993 Economic Report of the President. Helped direct "Forests for the Future Initiative," launching innovative conservation partnerships with eight countries in 1992-93. Co-wrote memo analyzing, and recommending that the President sign, water reform legislation enacted in 1992. Member of U.S. delegation to Climate Change Convention negotiations and IPCC meetings. Helped draft Executive Order 12866 (President Clinton's regulatory review order, issued Sept. 1993), Administration's Climate Change Action Plan (issued Oct. 1993), Superfund reform proposal (1993), Northwest forests plan (1993), and international forests conservation strategy (1993).

1992 **Office of Science and Technology Policy,** Executive Office of the President, Washington DC. **Policy Counsel.** Special assignment focusing on run-up to UNCED "Earth Summit" held in Rio de Janeiro. Helped develop "Forests for the Future Initiative" (FFI). Attended Rio Earth Summit in June 1992 to advance FFI. Helped develop draft Executive Order on risk assessment (drafted but not issued, 1992). Drafted "Scope" policy statement on risk-based regulation of biotechnology (1992).

1989-91 **U.S. Department of Justice, Environment & Natural Resources Division,** Washington DC. **Special Assistant to the Assistant Attorney General** (Richard B. Stewart). Helped conceive, draft and advocate the "comprehensive approach" to climate change policy, which was then incorporated in U.S. policy and in turn in the international Climate Change Convention. Member of U.S. delegation to international Climate Change Convention negotiations and IPCC meetings. Developed and advanced policy approaches on issues including market-based incentives for environmental protection, global climate change, global forests, voluntary disclosure of environmental violations, national energy strategy, biodiversity, biotechnology. Assisted in research and strategy for complex litigation; successfully argued cases in the D.C. Circuit, 3rd Circuit, and 8th Circuit U.S. Courts of Appeals.

- 1988-89 **Hazardous Air Pollutant Strategy Group**, Washington DC. Project rapporteur for multipartisan group chaired by Paul Portney (Resources for the Future) and John Graham (Harvard), aimed at consensus advice to EPA on regulation of air toxics under sec. 112 of the Clean Air Act.
- 1985-88 **American Law Institute (ALI) Project on Enterprise Liability for Injuries**. Research assistant to Harvard Law Profs. Paul Weiler and David Rosenberg. Analyzed econometrics literature on the success of OSHA regulations, compensating wage differentials, and workers' compensation systems in preventing workplace injuries.
- 1982-84 **National Bureau of Economic Research (NBER)**, Cambridge MA. Researched and edited for Harvard labor economists Richard Freeman and James Medoff's book, What Do Unions Do? (1984), and Medoff's article on "skills mismatches" in Brookings Papers on Economic Activity (1983). Assisted on studies of unionism, skills shortages, employment projection methodologies.
- 1981 **The Hudson Institute**, Croton-on-Hudson NY. Researched and wrote portions of a long-range study of U.S. energy markets for an architectural-engineering client.

Honors and Awards

Harvard Economics Department, contest to name the department's new alumni newsletter (2016) (I submitted "Econitas," "The Schumpletter," and "The Littauer Letter"; the winning entry was "The Littauer Letter").

Distinguished Lecture on Environmental Law, Florida State University, November 2015 ("Environmental Regulation Going Retro: Learning Foresight from Hindsight").

China Council for International Cooperation on Environment and Development (CCICED): member of Special Policy Study team on "Environmental Risk Management" (2015).

World Economic Forum: member of Global Agenda Council on Climate Change, 2014-16.

Intergovernmental Panel on Climate Change (IPCC): chapter lead author for 5th Assessment Report (2014), Working Group III, Chapter 13, "International Cooperation: Agreements and Institutions."

International Risk Governance Council (IRGC): member, Scientific and Technical Council, 2013-present.

William R. and Thomas L. Perkins Professor of Law, Duke University, July 1, 2004 – present (distinguished chaired professorship).

Duke Law School "Blueprint" Award, for work with students and community service, 2008.

University Fellow, Resources for the Future (RFF), Washington DC, 2002 - present.

Visiting Professor positions:

- Professeur Invité, Université Paris Ouest Nanterre La Défense (June 2014)

- Professeur Invité, Université Paris-Dauphine (November 2010, October 2011)
- Eli Goldston Visiting Professor, Harvard Law School (Spring 2010).
- Professeur Invité, Sciences Po, Paris (May 2008).
- Visiting Professor, University of Chicago Law School (Spring 2007).
- Professeur Invité, l'École des Hautes Etudes en Sciences Sociales (EHESS), and le Centre International de Recherche sur l'Environnement et le Développement (CIRED), Paris (2005-06).
- Visiting Professor, Harvard Law School (Spring 1999).

Society for Risk Analysis (SRA):

- Richard J. Burk Outstanding Service Award, 2014.
- Co-chair, World Congress on Risk, 2009-2012 (held in Sydney, Australia in July 2012).
- Fellow of the SRA, inducted December 2008.
- President, Society for Risk Analysis (SRA), 2008. Elected by the SRA membership, Dec. 2006, to serve as president from Dec. 2007 – Dec. 2008. First law professor or lawyer to hold this post.
- Councilor (member of the governing Council), elected for the term 2001-04.
- Chauncey Starr Young Risk Analyst Award – conferred by the Society for Risk Analysis (SRA), December 2003, for the most exceptional contributions to the field of risk analysis by a scholar aged 40 or under.
- President, Research Triangle Chapter (SRA-RTC), 1998.
- Editorial Board member, Risk Analysis: An International Journal (the official journal of the Society for Risk Analysis), 1998-present.

John D. MacArthur Lecture in Environmental Policy and Law at Bucknell University (Lewisburg, PA, April 19, 1999) (annual invited lecture sponsored by the MacArthur Foundation).

Hewlett Colloquium Distinguished Visitor, Washington University at St. Louis (February 6-7, 1997) (delivered lectures and conducted meetings with faculty and students to assist in the university's development of a new multidisciplinary curriculum in environmental studies).

The article "Law and the New Ecology: Evolution, Categories and Consequences," 22 Ecology Law Quarterly 325 (1995) was selected by a national peer review panel of environmental law faculty as one of the dozen best environmental law articles of 1995 (out of over 400 entries), and reprinted in the annual Land Use and Environment Law Review (1996).

Law clerk to the Hon. Stephen G. Breyer, U.S. Court of Appeals, First Circuit, 1988-89.

Law clerk to the Hon. Jack B. Weinstein, Chief Judge, U.S. District Court, Eastern District of New York, 1987-88.

Harvard Law Review, vols. 99-100 (1985-1987): Editor; Co-Chair, Harvard Law Review Centennial, 1987.

Best Brief Award, Harvard Defenders Moot Court, 1985 (with Amy Chua).

Second place, Williston Contracts Competition, 1985.

Best Individual Speaker, U.S.-Ireland Challenge Debate, 1985 (debate between the National Champion debate teams from the United States and Ireland).

Assistant Coach, 1985 National Debate Champions.

Books

1. [in progress] Policy Shock: Recalibrating Risk and Regulation after Oil Spills, Nuclear Accidents, and Financial Crises (Edward Balleisen, Lori Benneer, Kim Krawiec and Jonathan Wiener, editors) (Cambridge University Press, 2017).
2. The Reality of Precaution: Comparing Risk Regulation in the United States and Europe (Jonathan B. Wiener, Michael D. Rogers, James K. Hammitt, and Peter H. Sand, editors) (Washington DC and London: RFF Press/Earthscan/Routledge, 2011), available at <http://www.routledge.com/books/details/9781933115856/> .
3. New Perspectives on Risk Analysis and Crisis Response, Papers from the Second International Conference on Risk Analysis and Crisis Response (“RACR-2009,” Beijing, China, 19-21 October 2009) (Chongfu Huang, Jonathan B. Wiener and Jinren Ni, editors) (New York & Paris: Atlantis Press, 2009).
4. Reconstructing Climate Policy: Beyond Kyoto (Richard B. Stewart and Jonathan B. Wiener) (Washington DC: American Enterprise Institute Press, 2003), available at <http://www.aei.org/publication/reconstructing-climate-policy/> .
5. Legal Issues Presented by a Pilot International Greenhouse Gas (GHG) Trading System (Richard B. Stewart, Jonathan B. Wiener and Philippe Sands) (Geneva: United Nations Conference on Trade and Development [UNCTAD], 1996), available at http://www.law.duke.edu/fac/wiener/UNCTAD_Greenhouse_Gas_Trading_System.pdf .
6. Risk vs. Risk: Tradeoffs in Protecting Health and the Environment (John D. Graham & Jonathan B. Wiener, editors) (Cambridge: Harvard University Press, 1995), available at <http://www.hup.harvard.edu/catalog.php?isbn=9780674773073> . Japanese translation: Showado Press, 1999. Chinese translation: Tsinghua University Press, 2017.
7. Harvard Law Review Centennial Album (1987) (editor).

Issues Edited

1. “New Approaches to International Regulatory Cooperation,” 78 Law & Contemporary Problems no. 4 (2015) (Special editors: Reeve Bull, Neysun Mahboubi, Richard B. Stewart & Jonathan B. Wiener), at <http://lcp.law.duke.edu/> .
2. “The Emergence of Global Administrative Law,” 68 Law & Contemporary Problems nos. 3 & 4 (Summer/Autumn 2005) (Special editors: Benedict Kingsbury, Nico Krisch, Richard B. Stewart & Jonathan B. Wiener), at <http://lcp.law.duke.edu/> (search Archives).
3. “Essays Commemorating the 100th Anniversary of the *Harvard Law Review*,” 100 Harv. L. Rev. no. 4 (1987).

Articles and Chapters (most available at www.law.duke.edu/fac/wiener , under “Bibliography”)

1. [in progress] “Introduction,” chapter 1 in Policy Shock: Recalibrating Risk and Regulation after Oil Spills, Nuclear Accidents, and Financial Crises (chapter co-authored by book co-editors Edward Balleisen, Lori Benneer, Kim Krawiec and Jonathan Wiener) (Cambridge University Press, forthcoming 2017).
2. [in progress] “Conclusions – Recalibrating Risk: Crises, Learning, and Regulatory Change,” chapter 18 in Policy Shock: Recalibrating Risk and Regulation after Oil Spills, Nuclear Accidents, and Financial Crises (chapter co-authored by book co-editors Edward Balleisen, Lori Benneer, Kim Krawiec and Jonathan Wiener) (Cambridge University Press, forthcoming 2017).
3. [in progress] “Precaution,” chapter in the Encyclopedia of Environmental Law (Michael Faure, ed.), volume on Principles of Environmental Law (Ludwig Kramer and Emanuela Orlando, eds.) (IUCN and Edward Elgar, forthcoming 2017).
4. [in progress] “Comparing Regulatory Oversight Bodies: US OIRA and the EU RSB” (with Alberto Alemanno), in Susan Rose-Ackerman & Peter Lindseth, eds., Comparative Administrative Law (2d ed., Edward Elgar, forthcoming 2017).
5. [in progress] “Risk-Risk Tradeoffs and China,” introduction to the Chinese translation (Tsinghua Univ. Press, forthcoming 2017) of John D. Graham and Jonathan B. Wiener, eds., Risk vs. Risk: Tradeoffs in Protecting Health and Environment (Harvard University Press, 1995)
6. [in progress] “Adaptive Regulation and Instrument Choice” (with Lori S. Benneer)
7. [in progress] “Climate Policy in the New US Administration,” – Economics and Policy of Energy and the Environment --
8. [in progress] “Reviewing Retrospective Regulatory Review,” report of the Duke Project (Bass Connections) (with Elizabeth Brake, Ed Balleisen, Lori Benneer, Andrea Renda, Daniel Ribeiro)
9. “Risk Regulation and Future Learning,” 8 *European Journal of Risk Regulation* 4-9 (April 2017), at <https://www.cambridge.org/core/journals/european-journal-of-risk-regulation/article/risk-regulation-and-future-learning/B906DDB0A51BE73D3AA5223D875984DB> .
10. International Risk Governance Council (IRGC), “Transatlantic Patterns of Risk Regulation: Implications for International Trade and Cooperation” (April 2017) (by Jonathan Wiener, Arthur Petersen, John Graham, Ken Oye, Ortwin Renn, and Christina Benighaus), at <https://www.irgc.org/publications/reports-on-special-issues/tprr/> or <https://www.irgc.org/wp-content/uploads/2017/04/IRGC.-2017.-Transatlantic-patterns-of-risk-regulation.-Report.pdf> .
11. “On Morals, Markets, and Climate Change: Exploring Pope Francis’ Challenge,” 80 Law and Contemporary Problems 135-162 (2017) (with Jonas Monast and Brian Murray), at <http://lcp.law.duke.edu/article/on-morals-markets-and-climate-change-monast-vol80-iss1/> .
12. “Environmental Regulation Going Retro: Learning Foresight from Hindsight,” 32 Journal of Land Use & Environmental Law 1-72 (2016) (with Daniel Ribeiro).
13. “Towards a New International Law of the Atmosphere?” 7 Göttingen Journal of International Law 195-223 (November 2016) (with Peter H. Sand), at <http://www.gojil.eu/72-abstract-sand-wiener> .

14. "Impact Assessment: Diffusion and Integration," in Francesca Bignami & David Zaring, eds., Comparative Law and Regulation: Understanding the Global Regulatory Process 159-189 (Edward Elgar, 2016) (with Daniel Ribeiro), at <http://www.e-elgar.com/shop/comparative-law-and-regulation> .
15. "The Tragedy of the Uncommons: On the Politics of Apocalypse," 7 Global Policy 67-80 (issue S1, May 2016), at <http://onlinelibrary.wiley.com/doi/10.1111/1758-5899.12319/abstract>, full issue at <http://onlinelibrary.wiley.com/doi/10.1111/gpol.2016.7.issue-S1/issuetoc> .
16. "Precaution and Climate Change," in Cinnamon Carlarne, Kevin R. Gray and Richard Tarasofsky, eds., The Oxford Handbook of International Climate Change Law (Oxford Univ. Press, May 2016), at <https://global.oup.com/academic/product/the-oxford-handbook-of-international-climate-change-law-9780199684601> .
17. "The Value of Information in Decision-Analytic Modeling for Malaria Vector Control in East Africa," 37 Risk Analysis 231-44 (online 23 March 2016, in print February 2017) (Dohyeong Kim, Zachary Brown, Richard Anderson, Cliff Mutero, Marie Lynn Miranda, Jonathan Wiener, and Randall Kramer), abstract at <http://onlinelibrary.wiley.com/doi/10.1111/risa.12606/abstract> , article at <http://onlinelibrary.wiley.com/doi/10.1111/risa.12606/full> , issue at <http://onlinelibrary.wiley.com/doi/10.1111/risa.2017.37.issue-2/issuetoc> .
18. "New Approaches to International Regulatory Cooperation: The Challenge of TTIP, TPP and Mega-Regional Trade Agreements," 78 Law & Contemporary Problems 1-29 (2015) (introduction to symposium issue) (with Richard B. Stewart, Reeve T. Bull, and Neysun Mahboubi), at <http://scholarship.law.duke.edu/lcp/vol78/iss4/> .
19. "The Future of International Regulatory Cooperation: TTIP as a Learning Process toward a Global Policy Laboratory," 78 Law & Contemporary Problems 103-136 (2015) (with Alberto Alemanno), at <http://scholarship.law.duke.edu/lcp/vol78/iss4/> .
20. "Towards an Effective System of Monitoring, Reporting and Verification," chapter 13 in Scott Barrett, Carlo Carraro & Jaime de Melo, eds., Towards a Workable and Effective Climate Regime (CEPR Press and FERDI, 2015), pp.183-200, at <http://www.voxeu.org/content/towards-workable-and-effective-climate-regime> .
21. "Eco-Environmental Risk Management" for China, Special Policy Study report for the China Council for International Cooperation on Environment and Development (CCICED) (2015) (Jun Bi, Shiqiu Zhang, Jinliang Zhang, Fang Yu, George Greene, Ortwin Renn, Jonathan Wiener, Haakon Vennemo, et al.), at <http://www.cciced.net/enciced/policyresearch/report/> or directly at <http://www.cciced.net/enciced/policyresearch/report/201511/P020151124414035301240.pdf> .
22. "Using and Improving the Social Cost of Carbon," 346 Science 1181-82 (5 December 2014) (co-authored by William Pizer, Matthew Adler, Joseph Aldy, David Anthoff, Maureen Cropper, Kenneth Gillingham, Michael Greenstone, Brian Murray, Richard Newell, Richard Richels, Arden Rowell, Stephanie Waldhoff, and Jonathan Wiener), available at <http://www.sciencemag.org/content/346/6214/1189.full> .
23. "Responding to Agency Avoidance of OIRA," 37 Harvard J. Law & Public Policy 447-521 (2014) (with Nina Mendelson), available at http://www.harvard-jlpp.com/wp-content/uploads/2014/05/37_2_447_Mendelson_Wiener.pdf .

24. “Intellectual Property and Alternatives: Strategies for Green Innovation,” chapter 12 in Mario Cimoli, Giovanni Dosi, Keith E. Maskus, Ruth L. Okediji, Jerome H. Reichman & Joseph E. Stiglitz, eds., Intellectual Property Rights: Legal and Economic Challenges for Development (Oxford University Press, 2014) (with Jerome Reichman, Arti K. Rai & Richard G. Newell).
25. “International Cooperation: Agreements and Institutions” (with Robert Stavins, Zou Ji, and others), in Ottmar Edenhofer et al., eds., Intergovernmental Panel on Climate Change (IPCC), 5th Assessment Report (AR5), Working Group III, Climate Change 2014: Mitigation (2014), at <http://www.ipcc.ch/report/ar5/wg3/> .
26. “Identifying barriers to optimal malaria policies (using a systematic literature review and stakeholder engagement in East Africa)” (with Christopher Paul, Randall Kramer, Adriane Lesser, Clifford Mutero, Marie Lynn Miranda, and Katherine Dickinson) (draft May 2013).
27. “Better Ways to Study Regulatory Elephants,” 2/2013 European Journal of Risk Regulation 311-19 (2013) (with Brendon Swedlow, James K. Hammitt, Michael D. Rogers, and Peter H. Sand).
28. “The Politics of Precaution, and the Reality,” 7 Regulation and Governance 258 (2013).
29. “The Diffusion of Regulatory Oversight,” in The Globalization of Cost-Benefit Analysis in Environmental Policy (Michael A. Livermore & Richard L. Revesz, eds., Oxford Univ. Press, 2013), at <http://www.oup.com/us/catalog/general/subject/Economics/Environmental/?view=usa&ci=9780199934386> .
30. Book review of Michelle Everson and Ellen Vos, eds., *Uncertain Risks Regulated* (Routledge-Cavendish, 2009), and Joakim Zander, *The Application of the Precautionary Principle in Practice* (Cambridge University Press, 2010), 15 Journal of Risk Research 448-51 (2012).
31. “Three Models of International Regulatory Cooperation,” OECD Regulatory Policy Division (draft October 2012).
32. “What Begat Property?” 43 History of Political Economy 353-360 (2011).
33. “The Rhetoric of Precaution,” chapter 1 in The Reality of Precaution: Risk Regulation in the United States and Europe (Jonathan B. Wiener, Michael D. Rogers, James K. Hammitt, and Peter H. Sand, editors) (Washington DC and London: RFF Press/Earthscan/Routledge, 2011).
34. “Beef, Hormones and Mad Cows,” chapter 3 (with George Gray and Michael D. Rogers), in The Reality of Precaution: Risk Regulation in the United States and Europe (Jonathan B. Wiener, Michael D. Rogers, James K. Hammitt, and Peter H. Sand, editors) (Washington DC and London: RFF Press/Earthscan/Routledge, 2011).
35. “Terrorism and Weapons of Mass Destruction,” chapter 12 (with Jessica Stern) in The Reality of Precaution: Risk Regulation in the United States and Europe (Jonathan B. Wiener, Michael D. Rogers, James K. Hammitt, and Peter H. Sand, editors) (Washington DC and London: RFF Press/Earthscan/Routledge, 2011).
36. “A Quantitative Comparison of Relative Precaution in the United States and Europe, 1970-2004,” chapter 15 (with Brendon Swedlow, Denise Kall, Zheng Zhou, & James K. Hammitt) in The Reality of Precaution: Risk Regulation in the United States and Europe (Jonathan B. Wiener,

- Michael D. Rogers, James K. Hammitt, and Peter H. Sand, editors) (Washington DC and London: RFF Press/Earthscan/Routledge, 2011).
37. “The Real Pattern of Precaution,” chapter 20 in The Reality of Precaution: Risk Regulation in the United States and Europe (Jonathan B. Wiener, Michael D. Rogers, James K. Hammitt, and Peter H. Sand, editors) (Washington DC and London: RFF Press/Earthscan/Routledge, 2011).
 38. Book review of George J. Annas, *Worst Case Bioethics: Death, Disaster and Public Health* (Oxford Univ. Press, 2010), 30 Health Affairs 796-797 (April 2011).
 39. “Comparing Regulatory Oversight Bodies across the Atlantic: The US Office of Information and Regulatory Affairs (OIRA) and the EU Impact Assessment Board (IAB)” (with Alberto Alemanno), in Susan Rose-Ackerman & Peter Lindseth, eds., Comparative Administrative Law (Edward Elgar, 2010).
 40. “Genetically Modified Salmon and Full Impact Assessment,” 330 Science 1052-53 (19 November 2010) (with Martin D. Smith, Frank Asche & Atle G. Guttormsen), available at <http://www.sciencemag.org/content/330/6007/1052.short> or <http://www.sciencemag.org/content/330/6007/1052.full.pdf>.
 41. “Mechanism Choice” (with Barak D. Richman), in Daniel A. Farber & Anne Joseph O’Connell, eds., Research Handbook on Public Choice and Public Law (Edward Elgar, 2010).
 42. “Risk Regulation and Governance Institutions,” in Risk and Regulatory Policy: Improving the Governance of Risk (Paris: OECD, April 2010), available at http://www.oecd.org/document/60/0,3343,en_2649_34141_44840828_1_1_1_1,00.html.
 43. Book review of Charles Weiss & William B. Bonvillian, *Structuring an Energy Technology Revolution* (MIT Press, 2009), in 29 Journal of Policy Analysis and Management 649-53 (2010).
 44. “Using Decision Analysis to Improve Malaria Control Policy Making,” 92 Health Policy 133-140 (2009) (with Randall Kramer, Katherine Dickinson, Marie Lynn Miranda, & others)
 45. “Property and Prices to Protect the Planet,” 19 Duke Journal of Comparative & International Law 515-34 (2009).
 46. “Engaging China on Climate Change,” RFF Resources magazine (Resources for the Future, Winter/Spring 2009), pp.29-33, at www.rff.org/Documents/Resources/RFF-Resources-171_EngagingChina.pdf.
 47. “Theorizing and Generalizing about Risk Assessment and Regulation through Nested Analysis of Representative Cases,” 31 Law & Policy 236-69 (April 2009) (with Brendon Swedlow, Denise Kall, Zheng Zhou, & James K. Hammitt).
 48. Contributions to the book Regards Croisés sur l’Internationalisation du Droit : France – Etats-Unis, a project of the “Réseau ID franco-américain” under the direction of Mireille Delmas-Marty and Stephen Breyer (Société de Législation Comparée, Collège de France, 2009). My contributions include : Observations sur la conception économique des politiques climatiques [Observations on the economic underpinnings of climate policy] (pp.177-79); Remarques sur l’affaire RFA c. Commission Européenne, sur la régulation du marché des quotas de gaz à effet de serre [Remarks on RFA v. European Commission, regarding the regulation of the market in

greenhouse gas allowances] (pp.221-22); Observations sur techniques d'internationalisation du droit en matière d'environnement [Observations on techniques of internationalization of law in the environmental area] (pp.237-38); Conclusions: Les échelles de temps et de lieu [Conclusions: Temporal and spatial scales] (pp.260-63).

49. Society for Risk Analysis (SRA), Committee of Past Presidents, "Recommendations to OMB on Regulatory Review" (March 16, 2009) (chair of committee of 18 of the past presidents of SRA), available at http://www.sra.org/OMB_regulatory_review.php.
50. "Best Cass Scenario," 43 Univ. Tulsa Law Review 933-46 (2008) (contribution to festschrift symposium issue honoring Prof. Cass Sunstein).
51. "Radiative Forcing: Climate Policy to Break the Logjam in Environmental Law," 17 NYU Environmental Law Journal 210-55 (2008) (for the project on "Breaking the Logjam: An Environmental Law for the 21st Century," NYU Law School); draft available as Working Paper 08-04, Nicholas Institute for Environmental Policy Solutions, Duke University (December 2008), at http://www.nicholas.duke.edu/institute/wp-radiative_forcing.pdf.
52. "Intellectual Property and Alternatives: Strategies for Green Innovation," for the Chatham House Project on Climate Change Technologies and Intellectual Property Rights (London, UK, Nov. 10, 2008) (with Jerome Reichman, Arti K. Rai & Richard G. Newell).
53. "Issues in Comparing Regulatory Oversight Bodies," for the OECD Public Management Directorate, Working Party on Regulatory Management and Reform (Paris: OECD, October 8, 2008).
54. "Climate Change Policy, and Policy Change in China," 55 UCLA Law Review 1805 (2008)
55. "Empirical Evidence for Risk-Risk Tradeoffs: A Rejoinder to Hansen and Tickner," 11 Journal of Risk Research 485-490 (2008) (with John D. Graham) (further reply to Hansen & Tickner).
56. "The Precautionary Principle and Risk-Risk Tradeoffs: A Comment," 11 Journal of Risk Research 465-474 (2008) (with John D. Graham) (reply to Hansen, Krauss & Tickner).
57. "Precaution Against Terrorism" (with Jessica Stern), in Paul Bracken, David Gordon & Ian Bremmer, eds., Managing Strategic Surprise: Lessons from Risk Management and Risk Assessment ch. 5 (Cambridge Univ. Press, 2008), revised and updated version of article in 9 Journal of Risk Research 393-447 (2006).
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“Ethics, Codes and Learning: Building an Adaptive Policy Framework for Emerging Technology,” Rethinking Regulation program, Kenan Institute for Ethics (RR@KIE), Duke University (Durham NC, 5 May 2017) (workshop co-organizer, and speaker on “Instrument Choice for Adaptive Regulation”)

“The Future of International Regulatory Cooperation: Toward a Global Policy Laboratory,” Seminar on Law and Globalization, Yale Law School (New Haven, 17 April 2017)

“US Climate Policy: From the Paris Agreement to Possible Future Paths,” MIT 40th Global Change Forum, Airlie House Conference Center (Warrenton VA, 31 March 2017)

“The Tragedy of the Uncommons: Psychology, Politics and Policy,” Colloquium on Existential and Catastrophic Risk, at the UCLA Garrick Institute on Risk (Los Angeles, CA, 27 March 2017)

“Law and Science,” faculty colloquium on Law and Democracy, Duke Law School (Durham NC, 24 March 2017)

“Risk Analysis and the Law,” Harvard School of Public Health (Boston MA, 9 March 2017)

“Environmental Risks,” Foresight Review Panel of Lloyds Register Foundation Institute on Risk, at Princeton University (Princeton NJ, 6 March 2017)

“Legal Prospects for the Social Cost of Carbon,” Energy Initiative lunch workshop, Duke University (Durham NC, 27 January 2017)

“Markets, Morals and Climate Change” Society for Risk Analysis (SRA) annual meeting (San Diego CA, 12 December 2016)

“Post-Election Prospects for Risk Policy,” Society for Risk Analysis (SRA) annual meeting (San Diego CA, 12 December 2016)

“Environmental Law after the Election,” Environmental Law Society, Duke Law School (Durham NC, 29 November 2016)

“The Tragedy of the Uncommons: On the Politics of Apocalypse,” Southern Economic Association (SEA) annual meeting (Washington DC, 21 November 2016)

“Risk – Assessment, Perception and Management,” guest lecture in the Science and Society Initiative, Master’s in Bioethics and Science Policy Program, Duke University (Durham NC, 25 October 2016).

« Les Litiges Environnementaux aux Etats-Unis » [Environmental Litigation in the USA], Faculté du Droit, Université Aix-Marseille (Aix-en-Provence, France, 14 Octobre 2016)

« La politique publique du climat aux Etats-Unis et l’élection présidentielle américaine » [Climate Policy in the USA and the Presidential Election], Chaire Economie du Climat (Paris, France, 13 October 2016)

« Quelle Coordination des Politiques Energétiques en Europe, Face au Défi Climatique ? » [How to Coordinate Energy Policy in Europe to Address the Climate Challenge ?], Conférence Annuelle de la Chaire Economie du Climat (Paris, France, 12 Octobre 2016)

“US Climate Policy and Litigation,” course on Climate Change Economics and Policy (Prof. Larry Goulder), Stanford-in-Paris Program (Paris, France, 11 October 2016)

“The Clean Power Plan Litigation,” Environmental Law Society, Duke Law School (Durham NC, 3 October 2016)

“International Regulatory Cooperation, Impact Assessment and Policy Learning,” University of Tokyo (Tokyo, Japan, 5 September 2016)

“Risk Analysis and Tradeoffs in Chemicals Regulation,” Osaka University (Osaka, Japan, 2 September 2016)

“Risk-Risk Tradeoffs and Agency Incentives,” keynote address, Mercatus Center symposium on Risk and Regulation, Western Economics Association (Portland OR, 28 June 2016)

“How to Understand and Manage Risk,” Huang Fellows Seminar, Science & Society Initiative, Duke University (Durham NC, 23 June 2016)

“Seeking Global Success from Subnational Climate Policies,” Université Aix-Marseille (16 June 2016)

“Precaution and TTIP: Can US and European Risk Regulation Get Along?” Duke Atlantic Partnership (London, 15 June 2016)

“US-EU Regulatory Cooperation: TTIP and Beyond,” annual symposium of the Rethinking Regulation program, Duke University (Durham NC, 21-22 April 2016) (conference organizer, and speaker on Learning from Regulatory Variation)

“The Politics of Climate Change Policy,” guest lecture in Env 390S, The Politics of Climate Change, Duke University (Jack Zhou (Durham NC, 5 April 2016)

“Cost-Benefit Analysis and the Paris Climate Agreement,” Society for Benefit Cost Analysis (SBCA) annual meeting (Washington DC, 18 March 2016)

“Risk Analysis and the Law,” Harvard School of Public Health (Boston MA, 10 March 2016)

“Risk Policy,” guest lecture on “Risk Literacy” in the Science and Society Initiative, Director’s Workshop, Master’s in Bioethics and Science Policy Program, Duke University (Durham NC, 7 March 2016).

“Community Conversation on Climate Change,” Regulator Bookshop (Durham NC, 25 February 2016).

“After Paris,” symposium on international climate agreements, Duke University (Durham NC, 1 February 2016).

“Prospects for EPA’s Clean Power Plan,” panel discussion of the Duke Energy Law Society (Durham NC, 27 January 2016).

“Climate Policy Post-COP 21,” panel discussion of the Nicholas Institute, Duke University (Durham NC, 22 January 2016).

“Planned Adaptive Regulation,” at the annual conference of the International Risk Governance Council (IRGC), University College London (London, 8-9 January 2016).

“Eco-Environmental Risk Management in China: Insights and Recommendations of the 2015 CCICED Report to the National Government,” Society for Risk Analysis (SRA) annual conference (Arlington VA, 8 December 2015).

“Environmental Law Goes Retro: Learning Foresight from Hindsight,” Distinguished Lecture in Environmental Law, Florida State University School of Law (Tallahassee FL, 19 November 2015).

“The Tragedy of the Uncommons,” faculty workshop presentation, Florida State University School of Law (Tallahassee FL, 19 November 2015).

“Risk Assessment,” guest lecture on “Risk Literacy” in the Science and Society Initiative, Director’s Workshop, Master’s in Bioethics and Science Policy Program, Duke University (Durham NC, 9 November 2015).

“Designing an Adaptive System of Regulation,” at the Nicholas Institute for Environmental Policy Solutions, 10th Anniversary event, Duke University (Durham NC, 22 October 2015).

“Carbon Pricing and Innovation,” at the Conférence Annuelle de la Chaire Economie du Climat [Annual Conference of the Climate Economics Chair], Université Paris-Dauphine (Paris, 14 October 2015) (session chair).

“Opportunities for China-US Cooperation on Climate Change Policy,” at the conference on China-US Climate Change Action and Cooperation, Duke Kunshan University (DKU) (Kunshan, China, 10-11 September 2015).

“Environmental Risk Management,” meeting of the Special Policy Study team of the China Council for International Cooperation on Environment and Development (CCICED) (Beijing, 6-7 September 2015).

“Impact Assessment: Diffusion, Regulatory Learning, and Regulatory Foresight,” at the SRA World Congress on Risk (Singapore, 19-22 July 2015)

“Carbon Pricing in the United States: Markets and prices in the new national and international regimes,” at the conference on Our Common Future under Climate Change, UNESCO (Paris, 9-10 July 2015)

“Climate Change and Inequality” (Durham NC, 27-28 May 2015) (session chair).

“Connecting Climate: Contributions, Coalitions and Carbon Markets,” conference at Duke University (Durham NC, 14 May 2015) (conference organizer)

“The Road to Paris,” at the conference on Navigating the American Carbon World (Los Angeles CA, 29 April 2015)

“Risk Analysis and the Law,” Harvard School of Public Health (Boston MA, 12 March 2015)

“The Tragedy of the Uncommons,” at the Society for Risk Analysis – New England (SRA-NE) meeting (Boston MA, 11 March 2015)

“Impact Assessment: Diffusion and Integration,” at the European Union Studies Association (EUSA) annual meeting (Boston MA, 7 March 2015)

“Laws that Learn: Adaptive Regulation of Pharmaceuticals,” at Duke Law School (Durham NC, March 6, 2015) (session chair; speakers Arti Rai [Duke] and Ken Oye [MIT])

“Labeling” at the conference on “Carrots and Sticks: Moving the US National Food System toward a Sustainable Future,” Duke Environmental Law & Policy Forum annual symposium (Durham NC, 23 January 2015) (session moderator)

“The Tragedy of the Uncommons,” at the conference on Advances in Cost-Benefit Analysis, Toulouse School of Economics (Toulouse, France, 15-16 December 2014)

“Crises, Perceptions, and Regulatory Change,” Society for Risk Analysis (SRA) annual meeting (Denver, 8 December 2014)

“Precaution, Food Safety, and Risk Regulation in the US and Europe,” Food Working Group, Duke University (Durham NC, 3 December 2014)

“The Reality of Precaution in the US and Europe; Regulatory Compatibility and Regulatory Variation; and Implications for TTIP,” George Washington University Regulatory Studies Center conference on “Enhancing the Transatlantic Trade and Investment Partnership (TTIP): Reducing Regulatory Barriers” (Washington DC, 19-20 November 2014)

“US Climate Policy: the Social Cost of Carbon, and EPA Regulation under Clean Air Act section 111,” at the Friday Lunch Meeting (FLM), Chaire Economie du Climat [Climate Economics Chair], Université Paris-Dauphine (Paris, 17 October 2014).

“Top-Down, Bottom-Up, and Sideways: Options for Economic Incentives in International Climate Agreements,” at the Conférence Annuelle de la Chaire Economie du Climat [Annual Conference of the Climate Economics Chair], Université Paris-Dauphine (Paris, 15 October 2014).

“Recalibrating Risk: Crises, Perceptions and Regulatory Change,” at the conference on Improving “Risk Regulation: from Crises to Learning and Innovation,” held by the International Risk Governance Council (IRGC) and OECD (Paris, 13-14 October 2014) (conference co-organizer and speaker).

“The Tragedy of the Uncommons,” at the conference on “Too Big to Handle: Interdisciplinary Perspectives on the Question of Why Societies Ignore Looming Disasters” (Wissenschaftskolleg, Berlin, 10 October 2014).

“Evidence-Based Policies in a World of Uncertainty and Ambiguity,” at the EuroScience Open Forum (ESOF) (Copenhagen, 24 June 2014).

“The New US Climate Change Policy,” Young Professionals in Foreign Policy (Brussels, 19 June 2014).

“Transatlantic Perspectives on Risk, Regulation and TTIP,” European Policy Centre (EPC) (Brussels, 19 June 2014).

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“La Régulation des Risques en Europe et aux Etats-Unis,” Duke Law in Paris network, at Courtois Lebel cabinet du droit (Paris, 11 June 2014).

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“Using and Updating the Social Cost of Carbon (SCC) in Government Policy,” conference at Duke University (Durham NC, 21 May 2014) (conference co-organizer).

“Arctic Oil & Gas Drilling: Lessons from the Past and Implications for the Future,” conference at Duke University (Durham NC, 25 April 2014) (conference co-organizer).

“Nudging Climate and Energy Policy,” conference on Behavioral Law and Economics, Duke Law School (Durham NC, 11 April 2014).

“Risk Analysis and the Law,” Harvard School of Public Health (Boston MA, 13 March 2014).

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“Improving International Regulatory Cooperation: TTIP as a Step Toward a Global Policy Laboratory,” conference on International Regulatory Cooperation, NYU Law School (New York, 28 February 2014).

“Impact Assessment: Diffusion and Integration,” conference on Comparative Law and Regulation, George Washington University School of Law (Washington DC, 31 January 2014).

“Evaluating Responses to Agency Avoidance of OIRA,” faculty scholarship retreat, Duke Law School (Durham NC, 25 January 2014).

“Global Catastrophic Risk, Crises, Regulation and Liability,” at the Society for Risk Analysis (SRA) annual conference (Baltimore MD, 11 December 2013).

“Governing Risk-Risk Tradeoffs,” at the annual symposium of the International Risk Governance Council (IRGC), held at the Center for Risk Analysis and Governance (CRAG) of the Ecole Polytechnique Federale de Lausanne (EPFL) (Lausanne, Switzerland, 22 November 2013).

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“Prospects for US Climate Change Policy,” Friday Lunch Meeting, Chaire Economie du Climat, Université Paris-Dauphine (Paris, 18 October 2013).

“Table ronde : Les économistes peuvent-ils contribuer à la construction d’un accord climatique ambitieux en 2015?”, Conférence Annuelle de la Chaire Economie du Climat [“Roundtable: Can economists contribute to the design of an ambitious climate accord in 2015?”], Annual Conference of the Climate Economics Chair], Université Paris-Dauphine (Paris, 17 October 2013).

“On the Political Economy of Climate Policy,” Energy Modeling Forum (EMF) conference on Climate Change and Integrated Assessment Models (Snowmass CO, 26 July 2013).

“Regulatory Impact Assessment and Good Public Policy,” Ecole Nationale d’Administration (ENA) (Paris, 10 June 2013).

“The Global Diffusion of Risk Regulation and Oversight,” The World Bank (Washington DC, 8 May 2013).

“Risk, Precaution, Impact Assessment and Oversight,” North Carolina State University (Raleigh NC, 24 April 2013).

“Regulatory Oversight, National Systems, and International Policy Learning,” keynote address, conference on “Recalibrating Behaviour: Smarter Regulation in a Global World” (Wellington, New Zealand, 23 April 2013) (by video).

“*Risk vs. Risk Revisited*,” workshop series on Influential Works, Duke Law School (Durham NC, 9 April 2013).

Discussant comments on Alex Capron, “Six Decades of Organ Donation and the Challenge of Markets around the World,” conference on Organs and Inducements, Duke University (Durham NC, 28 March 2013).

“Risk Analysis and the Law,” Harvard School of Public Health (Boston MA, 14 March 2013).

“The Reality of Precaution: Comparing Risk Regulation in the US and Europe,” Regulatory Policy Program, Kennedy School of Government, Harvard University (Cambridge MA, 13 March 2013).

“Cost-Benefit Analysis, Well-Being Analysis, Utility, Happiness, Experiences, and Preferences: The Diffusion of Evaluation,” opening remarks, annual Administrative Law Symposium of the *Duke Law Journal* (Durham NC, 15 February 2013).

“The Diffusion of Regulatory Oversight,” at the Comparative Risk Regulation Workshop, University of California at Berkeley (Berkeley CA, 14 December 2012).

“The Reality of Precaution: Comparing Risk Regulation in the US and Europe,” at the Comparative Risk Regulation Workshop, University of California at Berkeley (Berkeley CA, 13 December 2012).

“The Real Pattern of Precaution, and the Diffusion of Regulatory Oversight,” in the session on “The Transatlantic Debate on Risk Regulation,” at the annual meeting of the Society for Risk Analysis (SRA) (San Francisco, 10 December 2012).

“Regulating the Regulators: A Conversation with Sally Katzen and John Graham,” Duke Law School and Rethinking Regulation Initiative (Durham NC, 24 October 2012) (moderator).

“La régulation des risques en Europe et aux Etats-Unis: de Précaution à l’Analyse Coût-Bénéfice” [The Regulation of Risks in Europe and the United States: From Precaution to Cost-Benefit Analysis], Friday Lunch Meeting, Chaire Economie du Climat, Université Paris-Dauphine (Paris, 19 October 2012).

“Droit, Climat et Régulation: Le Contentieux Éolien” [Law, Climate and Regulation: The Wind Energy Dispute], annual conference of the Chaire Economie du Climat, Université Paris-Dauphine (Paris, 18 October 2012).

Discussant on “Risk Perceptions” and on “Case Study: Nuclear Power,” at the workshop on “Recalibrating Risk,” Duke University (Durham NC, 6-7 September 2012).

“The Reality of Precaution, Comparing Risk Regulation and the Diffusion of Regulatory Oversight,” Australian Department of Finance / Office of Best Practice Regulation (Canberra, Australia, 23 July 2012).

“The Reality of Precaution, Comparing Risk Regulation and the Diffusion of Regulatory Oversight,” Australian Productivity Commission (Canberra, Australia, 23 July 2012).

“World Congress on Risk,” Society for Risk Analysis (SRA) (Sydney, Australia, 18-20 July 2012) (conference Co-Chair).

“The Diffusion of Regulatory Oversight,” Society for Environmental Law & Economics (SELE) annual meeting, Indiana University (Bloomington IN, 1 June 2012)

“Comparing US and European Risk Regulation,” at the conference on “Mapping the Global Regulatory Space for Risk Governance,” at the European University Institute (EUI) (Florence, Italy, 28-29 May 2012) (Keynote Speech, by video).

“Presidential Oversight of Administrative Agencies,” Center for Judicial Studies, Duke Law School (Durham NC, 27 April 2012) (discussant).

“From Precaution to Better/Smarter Regulation in Europe,” Rethinking Regulation program, Duke University (Durham NC, 18 April 2012).

“Decision Making Across Disciplines,” Duke Center for Interdisciplinary Decision Science (D-CIDeS) (Durham NC, 30 March 2012).

“China’s Environmental and Climate Change Policy in the 21st Century,” Program in Public Law and Center for International & Comparative Law, Duke Law School (Durham NC, 29 March 2012).

“Risk Analysis and the Law,” Harvard School of Public Health (Boston MA, 22 March 2012) (by video).

“The New Toolbox” (session moderator), annual Administrative Law Symposium of the *Duke Law Journal*, on “Emerging Alternatives to the Traditional Model of Administrative Rulemaking” (Durham NC, 24 February 2012).

“Regulatory Impact Assessment in the United States and Europe,” Centro de Regulación y Competencia (REGCOM), Aula Magna, Escuela de Derecho, Universidad de Chile (Santiago, Chile, 13 December 2011) (by video).

“Risk-Risk Tradeoffs in Climate Engineering,” Society for Risk Analysis (SRA) Annual Meeting (Charleston SC, 6 December 2011).

“The BP Oil Spill Comes to Court,” Duke Law School (Durham NC, 21 November 2011) (chair).

“Global Public Goods” workshop, Duke Law School (Durham NC, 22 October 2011).

“Prospects for US Climate Policy,” Friday Lunch Meeting (FLM), Climate Economics Chair, Université Paris-Dauphine (Paris, 21 October 2011).

“Precaution and Smarter Regulation,” European Risk Forum (Brussels, 20 October 2011).

“Permit Markets in the US / Les Marchés de Quotas aux Etats-Unis,” Université Paris-Dauphine (Paris, 19 October 2011).

“The Reality of Precaution,” Ecologic Institute (Berlin, 17 October 2011).

“Risk and Precaution in a Complex World,” University of Tokyo (Tokyo, 10 July 2011).

“Climate Policy Instrument Choice in an International Context,” European University Institute (EUI) Climate Governance Seminar (Florence, Italy, 13 June 2011).

“Risk-Risk Tradeoffs: Looking Back and Looking Ahead,” keynote speaker, EU-VRi iNTeg-Risk and SRA-Europe annual conference (Stuttgart, Germany, 7 June 2011).

“The Political Economy of the SO₂ Allowance Trading System,” in the research workshop on the SO₂ allowance trading system after 20 years, Harvard Kennedy School (Cambridge MA, 19-20 May 2011).

“Challenges in Air Pollution Policy,” opening session, Health Effects Institute (HEI) annual conference (Boston, MA, May 1st, 2011).

“The Reality of Precaution,” Resources for the Future (RFF) (Washington DC, 25 March 2011) (opening speaker and symposium organizer) (event to launch my new book of the same title).

“Risk Assessment, Risk Management, and the Law,” Harvard School of Public Health (Boston MA, 24 March 2011).

“The EPA at 40,” Duke University (Durham NC, 24 January 2011) (symposium co-organizer).

“The Tragedy of the Uncommons,” at the Society for Risk Analysis (SRA) Annual Meeting (Salt Lake City, Utah, 9 December 2010).

“Risk and the Financial Crisis,” at the Society for Risk Analysis (SRA) Annual Meeting (Salt Lake City, Utah, 8 December 2010) (chair of plenary session).

“American Climate Change Policy,” at the Friday Lunch Meeting (FLM) of the Climate Economics Chair at Université Paris-Dauphine (Paris, 12 November 2010)

“The Tragedy of the Uncommons,” at the conference on “Emergency Regulation Under the Threat of a Catastrophe: A Hard Look at the Volcanic Ash Crisis,” HEC Paris (11 November 2010)

“Les Marchés de Quotas aux Etats-Unis,” lectures in the Master’s course on climate economics at Université Paris-Dauphine (Paris, 10 November 2010)

“US Domestic Climate Policy and International Relations,” at the conference on “Pricing Carbon,” Université Paris-Dauphine (Paris, 9 November 2010)

“Addressing Risk in Regulatory Decision-Making” at the conference on “Regulatory Policy at the Crossroads: Toward a New Policy Agenda,” OECD (Paris, 28-29 October 2010)

“Global Cost-Benefit Analysis,” conference held by the NYU Institute for Policy Integrity (Abu Dhabi, United Arab Emirates, 26-27 October 2010) (session chair)

“The (Mis)Use of Risk Analysis, the Financial Crisis, and Reform,” at the conference held by Labaton Sucharow LLP on the “The New Regulatory Paradigm: What Has Been Accomplished and What Remains to be Done?” (New York, NY, 1 October 2010)

“Priorities for Precaution,” opening plenary keynote speaker, annual meeting of the Society for Risk Analysis (SRA)-Europe (King’s College London, 21 June 2010).

“The Pattern of Precaution,” symposium session speaker, SRA-Europe annual meeting (London, 22 June 2010).

“The Reality of Precaution,” keynote address at the conference on Critical Perspectives on Security, Maastricht University (Maastricht, Netherlands, 27 May 2010) (by video).

“The Real Pattern of Precaution,” Harvard Law School Faculty Workshop (Cambridge MA, 8 April 2010).

“The European Union Emissions Trading System,” Duke/Nicholas Institute Workshop (Durham NC, 30 March 2010) (chair)

“Risk Analysis and the Law,” Harvard School of Public Health (Boston MA, 19 March 2010).

“Options for Trading Under Clean Air Act sections 108-110 and section 111,” at the Duke/Nicholas Institute Workshop on Cost-Effective Instruments for Climate Policy under the Clean Air Act (Durham NC, 17 March 2010).

“Climate Change Policy in China,” The Conference Board Environmental Health & Safety (EHS) Legal Counsel (by telephone to Atlanta GA, 16 Feb. 2010)

Implementing Climate Change Legislation: Cap and Trade, at the Environmental Law Institute conference, Cannon House Office Building (Washington DC, 5 Feb. 2010).

Tail Risks in Climate Change (chair of session on Policy Implications), Resources for the Future (Washington DC, 2-3 Feb. 2010).

The Administrative Law of Emergencies (discussant on paper by Douglas Kysar), Univ. California – Berkeley School of Law (by video, 23 Jan. 2010).

“The Real Pattern of Precaution,” Yale Law School, Law & Globalization Workshop (New Haven CT, 15 December 2009).

“Carter, Reagan, Clinton and Obama: Four Decades of Executive Orders on Regulation,” and “Roundtable: New Ideas for Risk Regulation,” at the Society for Risk Analysis (SRA) Annual Meeting (Baltimore MD, 8 December 2009).

“Technologies Numériques et Copies Privées: l’Affaire SIMAVELEC,” et “Cybersecrurité,” à la réunion annuelle du Réseau ID (New York, 11-12 November 2009).

“Benefit-Cost Analysis as an Advocacy Tool,” NYU Law School (New York, 10 November 2009).

“Risk Management in a Multirisk World,” at the Chinese Academy of Sciences, Institute of Policy and Management Sciences (Beijing, 21 October 2009).

Keynote Address, “Precaution and Oversight in a World of Multiple Risks,” and opening welcome from the Society for Risk Analysis (SRA), at the conference on Risk Analysis & Crisis Response (RACR 2009), Peking University & SRA-China (Beijing, China, 19-21 October 2009), website <http://www.iee.pku.edu.cn/racr2009/>. I also chaired the “Risk Leaders' Summit,” convening the presidents of the SRA regions from around the world, including SRA, SRA-China, SRA-Japan, SRA-Europe, SRA-Australia/New Zealand, and an interest group from Korea; we adopted the “Beijing Declaration” to work together to promote excellence in risk analysis around the world.

“Risk Regulation: Law and Governance in a Multirisk World,” at Peking University Law School (Beijing, 16 October 2009) (hosted by the Center on Public Participation Studies and Supports (CPPSS) of PKU Law School).

“Opening Welcome”; presentation on “OIRA Internationally: Toward Global Cooperation”; and chair of “Concluding Roundtable: The Future of Regulatory Oversight”; all at the conference on “New Ideas for Risk Regulation” co-sponsored by the Society for Risk Analysis (SRA) and Resources for the Future (RFF) (Washington DC, 22-23 June 2009) (speaker and conference co-chair)

“Climate Change: Act Unilaterally or Multilaterally?” Conference on “The Search for Wise Energy Policy,” sponsored by Indiana University (Washington DC, 11 June 2009)

“Toxicity Testing in the 21st Century: Reception by Regulatory and Legal Institutions,” panelist at National Academy of Sciences / National Research Council conference on “Toxicity Pathway-Based Risk Assessment: Preparing for Paradigm Change” (Washington DC, 11-13 May 2009)

“Risk Analysis and the Law,” Harvard School of Public Health (Boston MA, 17 April 2009)

“Policy Options for Climate Change,” Summit on America’s Climate Choices, National Academy of Sciences (Washington DC, 31 March 2009)

“Climate Change: What Role for the Clean Air Act?” Duke Law / Harvard Law conference on

Environmental Law (Durham NC, 26 March 2009) (moderator of session on Stationary Sources)

“Expert Panels and Agency Science,” comments on the paper by Prof. Adrian Vermeule, “The Parliament of Experts,” *Duke Law Journal* annual Administrative Law Conference (Durham NC, 20 March 2009)

“Helping Developing Countries Combat Climate Change,” conference on “Climate Change and Global Justice,” Harvard Law School (Cambridge MA, 5 March 2009)

“Can We Adopt and Implement a Successful Comprehensive Cap-and-Trade Climate Policy? Yes We Can,” conference on Climate Policy for the Obama Administration, Washington & Lee University (Lexington VA, 20 Feb. 2009)

“Property and Prices as Instruments for Global Climate Policy,” conference on Local Property, Global Justice, held by *Duke Journal of Comparative and International Law* (Durham NC, 30 January 2009)

President and conference chair, Society for Risk Analysis (SRA) Annual Meeting (Boston, 7-10 December 2008); speaker and chair, annual Awards Luncheon; session chair, "Regulatory Reform in the European Union"; session speaker, “10 Ideas to Improve Regulatory Oversight in the Obama Administration.”

“Risk in an Interconnected World,” International Regulatory Reform Conference (Berlin, 17-18 November 2008) (speaker and session chair)

Keynote Address, “Climate Policy for a Multipolar World,” conference on “International Climate Change: Post-Kyoto Challenges,” Washington University (St. Louis, 30 October 2008)

Concluding Remarks, annual symposium of the *Duke Environmental Law & Policy Forum* (Durham NC, 24 October 2008).

“The Reality of Precaution,” at the conference on “L’Homme et la Société face aux défis des changements climatiques,” organized by the French Presidency of the European Union (Paris, 22-23 September 2008)

"Radiative Forcing," at the conference on “Breaking the Logjam: Reforming Environmental Law,” held at Resources for the Future (RFF) (Washington DC, 16 September 2008)

“The Tragedy of the Uncommons,” at the Conference on Global Catastrophic Risks, Oxford University (Oxford UK, 16-20 July 2008)

“Permis Negociables et Biens Publics Mondiaux,” [Tradable Permits and Global Public Goods,] à la conférence du Réseau ID, Collège de France (Paris, 1-2 juillet 2008)

“Benefit-Cost Analysis: Lessons from the United States and Europe,” conference on Advancing Social Policy through Benefit-Cost Analysis (Washington DC, 24 June 2008)

Second World Congress on Risk (sponsored by Society for Risk Analysis (SRA), of which I serve as President): Opening welcome, Speaker in session on Global Climate Risks, Chair of plenary session on “Risk and Sustainable Development,” and Chair of “Risk Leaders Summit” (Guadalajara, Mexico, 8-11 June 2008)

“Managing the Regulatory State: Oversight Bodies in the US and EU,” European Risk Forum (Brussels, 21 May 2008)

“Le Rôle des Juges dans la Régulation des Risques,” exposé devant les Juges de la Cour d’Appel de Paris, à Sciences Po (Paris, 20 mai 2008)

“La Régulation des Risques,” deux exposés à Sciences Po dans le programme du Master en Droit Economique (Paris, 15 et 22 mai 2008)

“Climate Change and the Law,” Duke Law Alumni Weekend (Durham NC, 12 April 2008)

“Radiative Forcing: Climate Policy to Break the Logjam in Environmental Law,” Conference on “Breaking the Logjam,” NYU Law School (New York, 28-29 March 2008)

“Global Cooperation on Global Climate,” Univ. of Toronto Faculty of Law (Toronto, 6 March 2008)

“Policy Insights for Global Climate Modeling,” Energy Modeling Forum (EMF) (Dublin, Ireland, 21-22 February 2008)

“Global Cooperation on Global Climate,” William & Mary Law School Symposium (Williamsburg VA, 2 February 2008)

“Climate Change Policy, and Policy Change in China,” UCLA Law Review Symposium on “Changing Climates: Adapting Law to a Transforming World,” UCLA Law School (Los Angeles, 25 January 2008)

“Risk ‘07: Agents of Analysis,” Society for Risk Analysis annual meeting (San Antonio, 9-12 December 2007) (conference chair and SRA president-elect)

“Radiative Forcing: Climate Policy and the Future of Environmental Law,” seminar series on “Breaking the Logjam,” NYU Law School (New York, 3 December 2007)

“New Thinking on Climate Policy,” AEI-Brookings Joint Center for Regulatory Studies (Washington DC, 26 November 2007)

“A Charged Atmosphere,” Duke Environmental Law & Policy Forum conference on climate change law (Durham NC, 16 November 2007)

“Cap and Trade for Greenhouse Gases,” Duke Environmental Law Society (Durham NC, 14 November 2007)

Guest lectures at Duke: on international climate treaties in course on environmental policy, Prof. Marie Lynn Miranda, 7 November 2007; on property rights and cap & trade systems in PPS 501 (Introduction to PhD in Public Policy), Profs. Phil Cook & Fritz Mayer, 1 November 2007; on environmental law in freshman seminar on environmental science and policy, Prof. Prasad Khasibatla, 25 October 2007.

“Worst-Case Scenarios, Precaution, and Risk,” conference on Cass Sunstein’s new book on Worst-Case Scenarios, Harvard Law School (Cambridge MA, 4 October 2007)

“Climate and Development in the Changing World Order,” conference co-sponsored by Duke University / NIEPS, with CIRED and IDDRI (Paris, 30 September – 1 October 2007) (conference co-organizer and speaker)

“Comparing Risk Regulation in the US and Europe,” Georgetown Law School, Environmental Law Research Seminar (Washington DC, 19 September 2007)

“Better Regulation in Europe and Regulatory Reform in the United States,” Society for Risk Analysis – Europe annual meeting (The Hague, Netherlands, 18-19 June 2007)

“Environmental Law – Junior Scholarship Workshop,” Harvard Law School (Cambridge MA, 13 June 2007) (commenter on papers by junior faculty)

“Differences in Precaution in US and EU Regulatory Approaches,” at “Within REACH: A conference on the European Union (EU) Regulation Providing for Registration, Evaluation and Authorization of Chemicals (REACH),” University of Pittsburgh (Pittsburgh PA, 8 June 2007)

“Regulatory Externalities, Internalized Askew,” Work-in-Progress (WIP) Workshop, University of Chicago Law School (Chicago, 17 May 2007)

“Risk Analysis Under Federal Law,” Harvard School of Public Health (Boston, 13 April 2007)

“Comparing Environment Health & Safety Regulation in the United States and Europe,” General Electric Environmental Practice Group annual meeting (Ft. Myers, FL, 21 February 2007)

Faculty Lives in Public Service, Duke Law School (Durham NC, 18 January 2007)

“Better Regulation in Europe,” at the annual meeting of the Society for Risk Analysis (SRA) (Baltimore, 5 December 2006) (speaker and session chair)

“Adverse Effects under U.S. Law,” in the workshop on “Approaching Adversity,” Dose-Response Specialty Group, Society for Risk Analysis (SRA) (Baltimore, 3 December 2006)

“Closing Comments,” at the symposium on “Responses to Global Warming: The Law, Economics, and Science of Climate Change,” University of Pennsylvania Law School (Philadelphia, 17 November 2006)

“Les Politiques du Risque en Europe et aux Etats-Unis,” Centre du Droit de l’Environnement de Strasbourg (CDES), Université Robert Schuman - Strasbourg (Strasbourg, 25 Octobre 2006)

“Inspiration réciproque dans le droit de l’environnement et la régulation des risques,” dans la conférence “Au delà du Dialogue des Juges: Inspiration Réciproque des Cours Suprêmes et Mondialisation du Droit,” Cycle « Attractivité Economique du Droit, » au Cercle France-Amériques (Paris, 24 Octobre 2006) (conférence des juges Stephen Breyer de la Cour Suprême des Etats-Unis, et Guy Canivet de la Cour de Cassation de la France)

“Perception du risque: Quelles conséquences sur les politiques environnementales aux Etats-Unis et en Europe” Ambassade des Etats-Unis (Paris, 23 Octobre 2006)

“Comment la régulation environnementale américaine concilie intérêt public et impératifs concurrentiels,” Université de Nanterre, Faculté du Droit (Paris, 23 Octobre 2006)

“The Tragedy of the Uncommons: Catastrophic Risks and Institutional Response,” University of Pennsylvania Law School (Philadelphia, 26 September 2006)

“Climate Change Policy: National Interests and International Action,” Transatlantic Dinner Dialogue, at Ecologic (Berlin, 26 June 2006)

“Making Better Regulation Even Better,” conference on Administrative Simplification, Ministère de l'économie, des finances et de l'industrie, Gouvernement de la France (French Ministry of Finance) (Paris, 9 June 2006)

“Can we Reconstruct Climate Policy?” International Energy Agency (IEA) (Paris, 29 May 2006)

“Better Regulation,” University College London, Faculty of Law (London, 25 May 2006)

“Risk and Regulatory Governance,” Organization for Economic Cooperation and Development (OECD), Working Party on Regulatory Management (Paris, France, 24 April 2006)

“L'ACB dans le Droit,” conference sur l'Analyse Coût-Bénéfice, Univ. De Toulouse (Toulouse, France, 4 avril 2006) (conference on benefit-cost analysis)

“La Précaution dans la Régulation des Risques en Europe et aux Etats-Unis,” Sciences Po (Institut des Etudes Politiques) (Paris, France, 23 March 2006)

"Le Débat Transatlantique sur le Risque et l'Environnement: Précaution, Changement Climatique, et l'Avenir de la Politique Publique," séminaire du Master Economie du développement durable, de l'environnement et de l'énergie (EDDEE) (UP 10, Ehess, Inapg, Engref, Polytechnique, Enpc, Ensm), 12 heures, les 22 et 29 mars 2006 (INAPG, amphî B, 16 rue Claude Bernard, 75005 Paris, France) (seminaire avec discutants : Olivier Godard, Ecole Polytechnique ; Marie-Ange Hermitte, EHESS & Univ. Paris-I ; Jean-Charles Hourcade, EHESS)

“La Précaution dans la Régulation des Risques en Europe et aux Etats-Unis,” Ecole Polytechnique (Lozères, France, 15 March 2006)

"Le rôle des modèles dans l'expertise publique aux USA," Colloque International sur "Modèles et Fabrications du Futur: Du débat sur la Croissance au Changement Climatique," Ecole Nationale des Ponts et Chaussées (Paris, France, 2-3 March 2006)

“Après 2012,” présentation à la Mission sur l'Effet de Serre de l'Assemblée Nationale de la France (Paris, France, 22 février 2006) (testimony before the Panel on the Greenhouse Effect of the French National Assembly)

“The Institutional Origins of Transatlantic Discord on Climate Change,” Institut du Développement Durable et des Relations Internationales (IDDRI) (Paris, France, 31 January 2006)

“EU and US Regulatory Environments, Current and Future Priorities, and Federalism and Preemption,” at the US – Europe High-Level Regulatory Cooperation Forum (Brussels, Belgium, 26 January 2006) (meeting of top regulatory officials from the US government and from the European Commission; I was the sole non-government expert invited to speak)

“L'Economie Politique du Changement Climatique et les Relations Transatlantiques,” Centre Internationale de Recherche sur l'Environnement et le Developpement (CIRED) (Paris, France, 13 December 2005)

“Precaution Against Terrorism,” Workshop in the Law & Economics Workshop & Lecture Series hosted by Bruno Frey and Gerard Hertig, www.hertig.ethz.ch/LE_2005-06_files/LE_Schedule_WS_2005-06.htm, University of Zurich & ETH Zurich (Zurich, Switzerland, November 23, 2005)

“Comparing Risk Regulation in the US and Europe,” Lecture in the Law & Economics Workshop & Lecture Series hosted by Bruno Frey and Gerard Hertig, www.hertig.ethz.ch/LE_2005-06_files/LE_Schedule_WS_2005-06.htm, University of Zurich & ETH Zurich (Zurich, Switzerland, November 21, 2005)

“Precaution Against Terrorism,” conference on Managing Strategic Surprise convened by the National Intelligence Council (NIC) and Eurasia Group, Yale Club (New York, NY, September 30, 2005)

“Climate Change Policy,” Environmental Summit, Nicholas Institute for Environmental Policy Solutions, Duke University (Durham NC, September 21, 2005)

“Hormesis and Regulation,” Keynote address, Fourth Annual International Conference on Hormesis, University of Massachusetts – Amherst (Amherst MA, June 6, 2005)

“The Making of Environmental Law,” commentary on book and talk by Richard Lazarus, at Resources for the Future (RFF) (Washington DC, May 4, 2005)

“Global Administrative Law,” discussant on papers on environmental and labor law developments, NYU Law School (New York, April 22-23, 2005)

“Beyond Kyoto: Moving Climate Change Policy Forward,” Yale Center for Environmental Law & Policy and School of Forestry and Environmental Studies, Yale University, Bowers auditorium of Sage Hall (New Haven, April 21, 2005)

“Precaution in Single-Risk versus Multi-Risk Models,” Risk Assessment Forum, Yale University (New Haven, April 21, 2005)

“Risk Analysis Under Federal Law,” Harvard School of Public Health course on “Analyzing Regulations” (Washington DC, April 15, 2005)

“Climate Change Policy, Past and Future,” guest speaker in course on global change forecasting (Gabi Hegerl), Duke University (Durham, April 5, 2005)

“Climate Change Policy, Past and Future,” guest speaker in course on international law (Joost Pauwelyn), Duke University (Durham, March 23, 2005)

“Climate Change Policy, Past and Future,” guest speaker in course on atmospheric science (Prasad Kasibhatla), Duke University (Durham, March 21, 2005)

“Precaution in the United States and Europe,” at the conference on “Better Regulation: The EU and the Transatlantic Dialogue,” co-sponsored by the European Policy Centre, the European Commission, and the US Mission to the EU (Brussels, 17-18 March 2005).

“Appraising the New UK Strategy for Risk Management,” remarks to the Plenary Session, annual meeting of the Society for Risk Analysis (Palm Springs CA, December 6, 2004)

“Can Markets Protect the Planet? Prospects for Greenhouse Gas Emissions Trading in the United States and Europe,” Duke Law School (Durham NC, November 16, 2004) (moderator and co-organizer)

Workshop on Basic Concepts of Risk Governance, International Risk Governance Council (Munich, Germany, November 13-14, 2004) (project group member)

“The Reality of Precaution” and “Precaution against Terrorism and WMD,” at “Risk Management in a Complex World: The Fourth Transatlantic Dialogue on Precaution,” organized by the Duke Center for Environmental Solutions, the European Commission, and the German Marshall Fund-US (Duke University, Durham NC, Sept. 19-21, 2004) (speaker and conference co-organizer)

“Precaution in a Multirisk World,” Resources for the Future (RFF) (Washington DC, April 21, 2004)

“Risk Analysis under Federal Law,” Harvard School of Public Health course on “Analyzing Regulations” (Washington DC, April 16, 2004)

“Tragedy and Comedy in the Climate Change Commons,” University of Chicago Law School (Chicago IL, January 22, 2004)

“Precaution in the US and Europe,” annual meeting of the Society for Risk Analysis (Baltimore MD, December 10, 2003)

“Natural Resources Policy under the Bush Administration,” Duke Law School (Durham NC, November 14, 2003) (conference host/moderator)

“Reconstructing Climate Policy,” course on International Development Law, Duke Law School (Durham NC, November 11, 2003)

“Precaution, Risk and Multiplicity,” Conference on Environmental Law, Harvard Law School (Cambridge MA, November 7, 2003)

“The Future of the Climate Change Negotiations,” MIT Global Change Forum (Cambridge MA, October 10, 2003)

“Risk Analysis and the Precautionary Principle,” World Congress on Risk (Brussels, June 24, 2003)

“The US, the EU, and Precaution,” Third Transatlantic Dialogue on Precaution, organized by the Duke Center for Environmental Solutions, the European Policy Centre, the European Commission, the US Mission to the EU, and the German Marshall Fund (Berlin, Germany, June 20-21, 2003) (speaker and conference co-organizer)

“Reconstructing Climate Policy,” Duke University (May 12, 2003) (speaker and conference organizer)

“Risk Analysis under Federal Law,” Harvard School of Public Health course on “Analyzing Regulations” (Washington DC, May 9, 2003)

“Risk Analysis and Regulatory Policy,” Foundation for American Communications (Atlanta GA, February 18, 2003)

“Comparing Precaution in the United States and Europe,” Sanford Institute of Public Policy, Duke University (Durham NC, January 13, 2003)

“Judicial Review of Risk Science in the U.S. and Europe: The Case of Antibiotics in Animal Feed,” annual meeting of the Society for Risk Analysis (New Orleans LA, December 10, 2002)

“International Experience with Competing Regulatory Approaches,” discussant on session on “Leaded Gasoline,” Resources for the Future (Washington DC, December 5-6, 2002)

“Dealing with Disasters: Prediction, Prevention and Response,” The Second Annual Duke Environmental Leadership Forum (Durham NC, November 19-21, 2002) (conference co-organizer)

“The Malaria-DDT Dilemma: Science, Policy and Law” (Duke University, Durham NC, November 7, 2002) (conference co-organizer)

“Comparing Precaution in the US and Europe,” Second Transatlantic Dialogue on Precaution – The Reality of Precaution: Comparing Approaches to Risk and Regulation, organized by the Duke Center for Environmental Solutions, the European Commission, and the German Marshall Fund (Airlie House, Warrenton VA, June 14-15, 2002) (speaker and conference co-organizer)

“Risk Analysis under Federal Law,” Harvard School of Public Health course on “Analyzing Regulations” (Washington DC, May 10, 2002)

“Precaution,” Vanderbilt University School of Law (Nashville TN, April 4, 2002)

“Reconstructing Climate Policy,” University of Colorado Law School (Boulder CO, March 1, 2002)

“Comparing Precaution in the US and Europe: Evaluating the Conventional Wisdom,” First Dialogue on Precaution – “The US, the EU, and Precaution,” organized by the European Commission, the US Mission to the EU, and the German Marshall Fund, with the European Policy Centre and the Duke Center for Environmental Solutions (Bruges/Brugge, Belgium, January 11-12, 2002) (speaker and conference co-organizer)

“Prudent Precaution in an Interconnected World,” Society for Risk Analysis annual meeting (Seattle WA, December 4, 2001)

“Better Ways to Decide American Trucking,” Society for Risk Analysis annual meeting (Seattle WA, December 3, 2001)

“The Next Generation of Environmental Policy,” guest lecture, graduate seminar on American

Environmental Policy (Prof. Richard Andrews) (Chapel Hill NC, November 14, 2001)

“Explaining U.S. Approaches to International Treaties,” Conference on U.S. Approaches to International Treaties, NYU Law School (New York, September 29, 2001)

“Climate Policy – Do We Need a New Approach?” Workshop jointly organized by the Fondazione Eni Enrico Mattei, Stanford University, and Venice International University (Venice, September 6-8, 2001) (conference co-organizer, session moderator, and speaker)

“Managing Risk in the Changing Global Environment,” The Duke Environmental Leadership Forum (Durham NC, September 5, 2001) (conference co-organizer and speaker)

“The Reality of Precaution: Comparing National Approaches to Risk and Regulation,” presentation to the Group of Policy Advisers, Office of the President, European Commission (Brussels, June 7, 2001)

“Institutionalizing Science and Economics in the Regulatory Process,” Kennedy School Policy Workshop on The Role of Science and Economics in Setting Environmental Standards (Washington DC, May 31, 2001)

“Measuring the Impacts of Regulation,” Annual Conference of the Health Effects Institute (HEI) (Washington DC, April 29, 2001)

“Global Climate Policy,” Alumni Reunion, Nicholas School of the Environment & Earth Sciences, Duke University (Durham NC, April 21, 2001)

“Regulatory Analysis under Federal Law,” Harvard School of Public Health course on “Analyzing Regulations” (Washington DC, April 6, 2001)

“Mad Cows and Murderers: Comparing Precaution in the U.S. and Europe,” Environmental Institutions Seminar Series, Duke University (Durham NC, February 14, 2001)

“Something Borrowed for Something Blue: Legal Transplants in Global Environmental Law,” Georgetown Law School (Washington DC, November 17, 2000)

“Comparing Precaution in the U.S. and Europe,” Cornell Law School (Ithaca NY, November 10, 2000)

“Right to Know – How Far Does It Go?” at the Harvard Conference on the Internet & Society (Cambridge MA, June 1, 2000) (video available at <<http://www.is2k.harvard.edu/home.htm>>, click on “Schedule” and then scroll down to entry for June 1 at 3:00pm)

“From Sustainable Development to Sustainable Governance,” at “Sustainable Governance: The Institutional Side of Sustainable Development,” The Fifth Annual Colloquium on Environmental Law & Institutions, Duke University (Durham NC, April 27-28, 2000) (speaker and conference organizer)

“Regulatory Analysis under Federal Law,” Harvard School of Public Health course on “Analyzing Regulations” (Boston MA, March 31, 2000)

“Climate Change and the Changing Future of Environmental Law,” conference on Environment

2000 – New Issues for a New Century, Boalt Hall School of Law, University of California at Berkeley (Berkeley CA, Feb. 26, 2000)

“Uncertainty and Precaution in a Multi-Risk World,” American Association for the Advancement of Science (AAAS) annual meeting (Washington DC, February 19, 2000)

“The Precautionary Principle: An Academic Perspective,” The Toxicology Forum (Washington DC, February 9, 2000)

Discussant on paper by Cass R. Sunstein, “Is the Clean Air Act Constitutional?” at the AEI-Brookings Joint Center on Regulatory Studies (Washington DC, October 4, 1999)

“International Emissions Trading,” workshop of government, industry, and environmental organizations, sponsored by the Electric Power Research Institute (EPRI) (Washington DC, September 23, 1999)

“Making Markets for Global Forests Conservation,” conference on Painting the White House Green, University of Wyoming (Laramie WY, September 9, 1999)

“Precaution, Countervailing Risk, and Optimal Analysis,” conference on “The Precautionary Principle: Refine It or Replace It?” Hotel Washington (Washington DC, June 3-4, 1999)

“Global Markets for Global Commons: Will Property Rights Protect the Planet?” The Fourth Annual Cummings Colloquium on Environmental Law, Duke University (Durham NC, April 30 & May 1, 1999) (conference organizer)

“How International Tradeable Allowance Systems Differ from National Tradeable Allowance Systems,” Harvard Institute for International Development (HIID) program on “Economic Instruments for Greenhouse Gas Abatement – Training in Flexible Mechanisms for Kazakhstan” (Cambridge MA, April 29, 1999)

“Sustainable Governance,” The John D. MacArthur Lecture in Environmental Policy and Law, Bucknell University (Lewisburg PA, April 19, 1999) (invited lecture sponsored by the MacArthur Foundation)

“Benefit-Cost Analysis under Federal Law,” Harvard School of Public Health course on “Analyzing Regulations” (Boston MA, April 9, 1999)

“Global Environmental Regulation: Instrument Choice in Legal Context,” Environmental Law Seminar, Harvard Law School (Cambridge MA, March 1, 1999)

“The Precautionary Principle in the Climate Change Negotiations,” Mercatus Center Retreat for Congressional Staff (Annapolis MD, January 30, 1999)

“Risk Analysis and Law,” Harvard Center for Risk Analysis course on “Analyzing Regulations” (Rosslyn VA, January 8, 1999)

“Relation of Risk Legislation to Existing Statutes,” conference on Risk Analysis and Judicial Review (Washington DC, December 17, 1998)

U.S.-Japan Experts Workshop on Climate Change Policy, Resources for the Future (RFF)

(Washington DC, October 19-20, 1998)

“Prices vs. Quantities: The Impact of the Legal System,” National Bureau of Economic Research (NBER) / Yale Center on Global Change, Workshop on Design of Climate Change Policy Instruments and Institutions (Snowmass CO, August 13-14, 1998)

“Choosing Regulatory Instruments for Global Environmental Protection,” Stanford Law School & Institute for International Studies (Stanford CA, May 7, 1998)

“Choosing Regulatory Instruments for Global Environmental Protection,” Duke Law School (Durham NC, April 28, 1998)

“Benefit-Cost Analysis in Federal Law,” Harvard School of Public Health course on “Analyzing Regulations” (Boston MA, April 3, 1998)

“The Rents of Nature: Special Interests and the Puzzle of Environmental Legislation,” the Third Annual Cummings Colloquium on Environmental Law, Duke University (Durham NC, March 26-27, 1998) (conference organizer)

“Designing a Legal Regime for International Greenhouse Gas Emissions Control,” National Bureau of Economic Research (NBER) / Yale Center on Global Change, Workshop on International Emissions Trading Systems (Snowmass CO, August 13-14, 1997)

“Benefit-Cost Analysis: Legal Aspects and Status of Federal Legislation,” Harvard School of Public Health course on “Analyzing Regulations” (Boston MA, March 27, 1997)

“Risks of Regulation: Iatrogenesis or Externalities?” Risk Assessment and Policy Association (RAPA), First Biennial Conference (Alexandria VA, March 6-7, 1997)

Hewlett Colloquium Distinguished Visitor, Washington University at St. Louis (February 6-7, 1997) (delivered lectures and conducted meetings with faculty and students to assist in the university’s development of a new multidisciplinary curriculum in environmental studies)

“Creating Global Green Markets,” School of Law, Washington University at St. Louis (St. Louis MO, February 6, 1997)

“Law and the New Ecology,” Doctoral Seminar on Environmental Policy, School of Public Health, University of North Carolina (Chapel Hill NC, January 22, 1997)

“Risk in the Republic: Comparative Risk Analysis and Public Policy,” the Second Annual Cummings Colloquium on Environmental Law, Duke University (Durham NC, November 15-16, 1996) (conference organizer)

“Legal Issues in Creating an International Greenhouse Gas Allowance Trading System,” The Offsets Forum, Center for Clean Air Policy (Washington DC, June 13, 1996)

“Economic Analysis and Environmental Decisionmaking,” conference at Resources for the Future (Washington DC, June 13, 1996) (panel member and discussant on “EPA’s Automobile Inspection & Maintenance Rule” by Todd Ramsden)

“Beyond the Balance of Nature: Environmental Law Faces the New Ecology,” the First Annual

Cummings Colloquium on Environmental Law, Duke University (Durham NC, April 18, 1996)
(conference organizer)

“Conflict and Cooperation in Environmental Management,” Nicholas School of the Environment Alumni College, Duke University (Durham NC, April 12, 1996)

“Judicial and Executive Review of Agency Risk Assessments,” annual conference of the National Association of Environmental Professionals, Nicholas School of the Environment, Duke University (Durham NC, March 29, 1996)

“Risk-Risk Tradeoffs,” Decision Theory Workshop, Fuqua School of Business, Duke University (Durham NC, March 27, 1996)

“Risk-Risk Tradeoffs,” Society for Risk Analysis, Research Triangle Chapter (Research Triangle Park, NC, Feb. 22, 1996)

“Risk-Risk Tradeoffs,” Environmental Sciences Seminar Series, School of Public Health, University of North Carolina (Chapel Hill NC, Feb. 2, 1996)

“On Bureaucratic Discretion and Regulatory Reform” (discussant on paper by John DiIulio), Conference on Reviving Regulatory Reform, American Enterprise Institute (Washington DC, Jan. 17, 1996)

“The End of Nature -- and It’s About Time,” Program on Science, Technology, and Human Values, Duke University (Durham NC, Nov. 9, 1995)

"Toward an Effective Global Forests Agreement," First Open Meeting of the Human Dimensions of Global Environmental Change Community (Duke University, Durham NC, June 1, 1995) (also chaired the conference panel on "Deforestation")

"Environmental Legislation in the 104th Congress," Duke Law School Dedication Celebration Seminar Series (Durham NC, April 7, 1995)

"Risk Tradeoffs in the Regulatory Reform Legislation," at symposium on Weighing the Risks, sponsored by the Harvard Center for Risk Analysis (Washington DC, March 31, 1995)

"Promoting Market-Based Performance Incentives in Regulatory Reform," testimony before Committee on Governmental Affairs, U.S. Senate, March 8, 1995.

"Structuring Incentives for Risk-Superior Environmental Performance," President's Council on Sustainable Development, Eco-Efficiency Task Force, Economics Cluster (Washington DC, February 16, 1995)

"Future Directions in Environmental Regulation," Second Annual Conference on the Environment, the Economy and World Trade, sponsored by the Research Triangle World Trade Center (Durham NC, November 16, 1994).

"Environmental Regulation of Biotechnology: Risk, Politics and Nature," Risk and Decision Sciences Seminar, Harvard School of Public Health (Boston MA, October 21, 1994).

"Risk Tradeoffs in Protecting the Global Environment," Environmental Law and Policy Research

Seminar, Harvard Law School (Cambridge MA, October 20, 1994).

"Financial Resources for International Environmental Protection," New York University School of Law symposium on Greening International Law (New York, October 7, 1994).

"Reflections on the Climate Change Negotiations: Past Record and Future Prospects," Environmental Law and Policy Study Group, Center for World Environment and Sustainable Development (Research Triangle Park, NC, January 26, 1994)

"Implementation of Market-Based Approaches to Environmental Protection: Monitoring and Enforcement Issues for Transferable Carbon Permits" (discussant of paper by Tietenberg & Victor), annual meeting of the American Economics Association (Boston, January 5, 1994)

"New Ways to Fund Citizen Action: National Service," address at national staff meeting of the Public Interest Research Groups (PIRGs) (Denver, December 9, 1993)

"Workshop on National Service and Environment," ACTION office (Denver, December 9, 1993)

"Workshop on National Service and Environment," 26 Federal Plaza (New York, November 30, 1993)

"Workshop on National Service and Environment," ACTION office (Seattle, November 19, 1993)

"The National Perspective," Presidio Workshop on Youth Service (San Francisco, November 18, 1993)

"Workshop on National Service and Environment," ACTION office (San Francisco, November 17, 1993)

"Workshop on National Service and Environment," Volunteer & Information Agency (New Orleans, November 5, 1993)

"Volunteering and Environmental Careers," National Environmental Careers Conference (Tampa, October 23, 1993)

"Workshop on National Service and Environment," National Environmental Careers Conference (Tampa, October 22, 1993)

"Beyond the Classroom: National Service and the Environment," Environmental Grantmakers Association, annual meeting (Tucson AZ, October 16, 1993)

"Mission, Vision and Strategy: Opportunities for Seniors in National Service and Environment," keynote address to Environmental Alliance for Senior Involvement, first annual Leadership Conference (Bethesda MD, September 10, 1993)

"National Service and Environment," briefing for the Council on Foundations (Washington, September 9, 1993)

"Risk Roulette: Gambling with Human Health and the Environment," Harvard Center for Risk Analysis, Annual Advisory Board Meeting (Boston, June 2, 1993)

"The Road from Rio: Environmental Economics in International Policy," National Bureau of Economic Research (NBER) Summer Institute, Environmental Economics Workshop (Cambridge, August 12, 1992)

"Risk Tradeoffs in Global Environmental Policy," National Forensics Institute, The American University (Washington, July 21, 1992)

"Regulatory Policy for Biotechnology," U.S. Interagency Regulatory Colloquium (Washington, June 23, 1992)

"Efficient Environmental Protection: Tax Instruments," Massachusetts Institute of Technology (MIT) Center for Energy & Environmental Policy Research, 1992 New Developments Workshop (Cambridge, April 30, 1992)

"Bargaining Issues in the Climate Change Negotiations," energy policy seminar, Kennedy School of Government, Harvard University (Cambridge, November 25, 1991)

"Practical Implications of Pending International Conferences: Transboundary Pollution, CFC Abatement, and Global Climate Change," American Bar Assn./California Bar Assn./L.A. Bar Assn. International Environmental Law Symposium (Los Angeles, November 12, 1991)

"International Environmental Regulation," Federal Bar Assn. Annual Meeting & Convention (Washington, September 27, 1991)

"Economic and Environmental Advantages of a Comprehensive Approach to Climate Change," Briefing for Netherlands Environment Minister Hans Alders (Washington, July 25, 1991)

"Matching Policy to Science: the Comprehensive Approach to Climate Change," Marine Policy Center, Woods Hole Oceanographic Institute (Woods Hole MA, July 12, 1991)

"Policy Responses to Global Change," Western Economics Assn. (WEA) Int'l, 66th Annual Conference (Seattle, July 2, 1991)

"The Comprehensive Approach, Greenhouse Taxes, and Informal Emissions Trading," Organization for Economic Cooperation & Development (OECD) Experts' Workshop (Paris, June 26-27, 1991)

"Implementing Incentives for Environmental Protection," Air & Waste Management Assn. Annual Meeting (Vancouver, June 20, 1991)

"Risk Tradeoffs in Global Environmental Policy," Harvard Center for Risk Analysis, Annual Advisory Board Meeting (Boston, June 19, 1991)

"Legal Design and Climate Change," American Bar Assn. Standing Committee on Environmental Law Annual Meeting and Council on Environmental Quality (CEQ) Roundtable on "The Role of Law in the 1992 UNCED" (Airlie House, Virginia, May 18, 1991)

"Law and the Global Environment: Comprehensive and Market-Based Approaches to Global Environmental Change," University of Wisconsin School of Law, International Law Society Conference (Madison, April 12, 1991)

"A Comprehensive Approach to Addressing Potential Climate Change," Domestic Policy Council, Global Change Strategy Group (Washington, November 28, 1990)

"Overview of the Judicial System and the Courts," Washington Campus (Washington, June 13, 1990)

"International Environmental Law and Sustainable Development," National Assn. of Environmental Law Societies (NAELS) Annual Conference, Tulane Law School (New Orleans, February 2, 1990)

National & Community Service

- 1995- **"Duke Law School: Dedicated to Durham."** Founder and director of twice-annual community service event in which hundreds of Duke Law students, faculty and staff work at projects across the Durham area, such as painting shelters, cleaning schools, restoring riverways, creating literacy training materials, and visiting ill children. "DTD" is held for incoming students each August, and school-wide each April.
- 1994-98 **North Carolina Commission on National & Community Service,** Raleigh NC. Appointed by Governor as member ex officio of state commission established to promote service statewide and to allocate "AmeriCorps" and "Learn & Serve" grants from federal Corporation for National Service.
- 1994-98 **Campus Outreach Opportunity League (COOL),** Washington DC. Board Member. COOL is a national nonprofit that provides a network of assistance and training to support campus-based community service programs.
- 1993 **Corporation for National & Community Service / White House Office of National Service,** Washington D.C. Chair, Environment Working Group. Assisted CEO Eli Segal (Assistant to the President for National Service), Executive Vice President Shirley Sagawa, Senior Adviser Susan Stroud, and CNCS staff in developing the environmental component of the new "AmeriCorps" national service program, articulating environmental priorities and grant selection criteria, developing training and technical assistance programs, and linking with the environmental community. Held regional workshops in six cities to gather insights from community-based organizations, local environmental groups, experts and federal agencies. Spoke at environmental conferences to publicize national service opportunities.
- 1992 **"D.C. Servathon,"** Washington DC. Member of Steering Committee. Helped organize city's first annual servathon, in which volunteers perform service projects all across the metropolitan area, held in May 1992. D.C. Servathon '92 drew 1100 volunteers, who performed over 80 service projects throughout the area.
- 1989-91 **"Boston Servathon / City Year for a Day,"** Boston MA. Citizen Founder, 1989-91; Steering Committee, 1989. Helped organize Boston's first annual servathon. The event engaged 500 volunteers to work at 43 projects in 1989; by 1998 it had grown to engage over 10,000 volunteers working at over 400 projects. Service projects include repairing shelters, painting halfway houses, rehabilitating urban gardens, visiting the homebound, assisting Special Olympics. The event also raises funds for "**City Year**," Boston's innovative year-round youth service corps.

- 1989 **"Class Act,"** Boston MA. Founded and organized the first Harvard-Radcliffe Reunion community service event in June 1989, drawing 150 reunion volunteers to perform 11 service projects across the Boston area. Service projects included renovating shelters, sorting food for the homeless, cleaning urban gardens, and yardwork at a home for disturbed youth. "Class Act" is now an annual Harvard-Radcliffe Reunion event.

Professional Activities – Duke University

“Rethinking Regulation” at Duke University

- Co-director, July 2015 –
- Member and executive committee, 2010 – .

Provost’s Strategic Planning Steering Committee, 2014-17.

Bass Connections Advisory Council, 2012-16.

Director, JD-LLM Program in Comparative and International Law, Duke Law School, 2007-15.

Duke Center for Environmental Solutions (university-wide multidisciplinary research center).

- Founding Faculty Director, 2000-2005.
- In 2005, this center was expanded into the Nicholas Institute for Environmental Policy Solutions (NIEPS).
- Chair, Search Committee for the director of the new Nicholas Institute, 2004-05 (succeeded in recruiting Timothy Profeta as Director, and William K. Reilly as Chair of the Board).
- Faculty Advisory Committee, Nicholas Institute for Environmental Policy Solutions: Chair, 2007-2010. Member, 2005-07 and 2010 - . Climate Working Group, member. Search committee for new Climate & Energy program director, 2016-17.

Coordinator, Environmental Institutions Seminar Series, Duke University, 1999-2005 (biweekly faculty workshop series).

Director, Cummings Colloquia on Environmental Law & Institutions, Law School and Nicholas School of the Environment, Duke University, 1995-2000 (annual conference) (titled “Cummings Colloquia” during 1996-99).

Other Duke activities:

Duke University-wide:

- Provost’s Strategic Planning Steering Committee, 2014-17.
- Provost’s Task Force on the Energy Initiative and Nicholas Institute, 2015-16.
- Bass Connections Advisory Council, 2012-16.
- Chair, Advisory Committee on Investment Responsibility (ACIR), 2010-13.
- Duke Center for Interdisciplinary Decision Sciences (D-CIDES), Faculty Steering Committee, 2010- .
- Energy Initiative, Faculty Committee, 2009-
- Provost’s Committee on Interdisciplinary Strategic Planning, 2009-10
- Project on the Malaria Decision Analysis Support Tool (MDAST), 2005-14.

University Committee on Honorary Degrees, 2003-09.
 Center for European Studies, Advisory Committee, 2001-06.
 Center for International Studies, Advisory Committee, 1994-1997, 2000-06.
 Micro-Incentives Research Center, board member, 2000-2005.
 Provost's Task Force on the Future of the Nicholas School, 2000.
 Provost's Task Force on a Duke office in Washington DC, 2001-03.
 Provost's Economics Initiative, Advisory Committee, 1999-2000.
 Social Sciences Planning Group, 1999-2000.
 Academic Council (university faculty governance body), 1995-96.

Law School:

Appointments Committee (Lateral), 2016-17.
 Appointments Search Committee, Law–Nicholas Institute joint position, 2014 - 16.
 International Studies Committee, 2013-16; Chair, 2015-16.
 Ad Hoc Committee on the JD-LLM Degree, 2013-14.
 Center for Innovation Policy, faculty affiliate, 2013 - .
 Appointments Subcommittee for the joint Law School search with the Institute for Genome Sciences & Policy (IGSP), 2011-12.
 Appointments Committee (Lateral), 2010-11.
 Appointments Subcommittee for a tenure review, Chair, 2006-07.
 Appointments Subcommittee on Environmental Law, 2003-04.
 Appointments Subcommittee on Economics, 2003-04.
 Appointments Subcommittee on International & Comparative Law, 2001-02.
 Appointments Committee, 1999-2002.
 “Dedicated to Durham” community service day, founder and adviser, 1995 - .
Duke Environmental Law & Policy Forum (DELPF), faculty adviser.
Law & Contemporary Problems, faculty editorial board, 2009-10.
 Library & Technology Committee, 2008 - .
 Leadership Committee, 2007 - .
 Journals & Electronic Publishing Committee, 2000-08.
 Planning & Building Committee, 2003-04.
 Curriculum Committee, 2002-03.
 Project Advisory Committee, 2002-03.
 Campaign Planning Committee, 1996-98.
 Planning Committee (Chair), 1994-96.
 Workshops Committee, 2010-11.

Nicholas School of the Environment & Earth Sciences:

Search committee, Instructor in Environmental Policy, 2010-11.
 Strategic Planning Committee, 2004-05.
 Search Committee, Nicholas Chair in Environmental Economics, 2000-05.

Sanford School (formerly Institute) of Public Policy:

Full Professor Promotion committee, 2013.
 Search committee, senior faculty position in Energy & Environmental Policy, 2010-11.
 Sanford Institute Advisory Board, 2003-2006.
 Search Committee, International Institutions faculty position, 2001-02.

Professional Activities – Outside Duke

Editorial Boards:

Regulation & Governance, 2013-present.
European Journal of Risk Regulation, 2009-present.
Journal of Environmental Law (UK), 2005-present
Journal of Risk Research, 2004-present.
Risk Analysis: An International Journal (the journal of the Society for Risk Analysis (SRA)), 1998-present.
Georgetown International Environmental Law Review, 1992-99.

Professional societies:

Society for Risk Analysis (SRA):

Richard J. Burk Outstanding Service Award, 2014.
 Co-chair, World Congress on Risk, 2009-12 (held in Sydney, July 2012).
 President, 2008. President-elect, 2007; Past President, 2009 - .
 Fellow, inducted December 2008.
 Councilor (elected member of SRA's governing body), 2001-2004.
 Committees:
 Co-chair, World Congress on Risk III, 2009-12.
 Chair, Committee of Past Presidents, 2009.
 Chair, Nominating Committee, 2009-10
 Chair, Publications Committee, 2008-09
 Chair, Chapters & Sections Committee, 2001-2004.
 Co-chair, President's Task Force on International Organization and Outreach, 2003-04.
 Risk Science & Law Specialty Group: Executive Committee, 2000-present.
 Nominating Committee, member, 1998.
 Research Triangle Chapter: President, 1998. Past President, 1999.
 Member of SRA, 1995-present.

American Economics Association (AEA), member, 1996-present.

American Law & Economics Association (ALEA), member, 1996-present

Risk Assessment and Policy Association (RAPA), member, 1996-

Council on Foreign Relations (CFR), Term Member, 1995-2000

Intergovernmental Panel on Climate Change (IPCC):

5th Assessment Report (forthcoming 2014), Working Group III, Chapter 13 (International Cooperation: Agreements and Institutions), Chapter Lead Author.

World Economic Forum

Member of Global Agenda Council on Climate Change, 2014-16.

Advisory/Scientific Boards:

International Risk Governance Council (IRGC), Lausanne, Switzerland:

- member, Scientific and Technical Council, 2013- present;
- member, Project Group on Basic Concepts of Risk Governance, 2004 – 2006.

Harvard Center for Risk Analysis (HCRA), Harvard School of Public Health (dir. James Hammitt): Faculty Affiliate, 2012-present; member of Advisory Committee, 1990-2001.

China Council for International Cooperation on Environment and Development (CCICED): member of Special Policy Study team on “Environmental Risk Management” for China, 2015.

Centre for Law, Economics and Society at University College London (UCL) (led by Ioannis Lianos): member of the international advisory board, 2013-present.

Centre for the Study of Existential Risks (CSER), Cambridge University (UK) (led by Huw Price, Martin Rees): member of Advisory Board, 2012 – present.

Lifeboat Foundation : member of advisory boards on risk and regulation, 2013 – present.

Université Sorbonne Paris Cité (consortium of several universities and grandes écoles, including Sorbonne, Sciences Po, and l'Ecole des Hautes Etudes en Santé Publique (EHESP, led by Antoine Flahault, Dean): member of the Scientific Committee (“Conseil d’orientation scientifique et pédagogique”), 2010 – present.

Chaire Economie du Climat (CEC), Université Paris-Dauphine (led by Christian de Perthuis): member of Scientific Committee, 2009 – present.

Institute for Policy Integrity, NYU Law School (led by Richard Revesz): member of Advisory Board, 2009 – present.

European Risk Forum, Brussels: member of Experts Group, 2008 – present.

iNTeg-Risk Project coordinated by the European Virtual Institute for Integrated Risk Management (EU-VRi) (led by Ortwin Renn, Olivier Salvi): member of the International Advisory Board, 2008 – 2014.

Clean Air-Cool Planet (formerly The Climate Policy Center, merged with CA_CP in January 2008), Washington DC (led by Rafe Pomerance): member, Board of Directors, 2003 – 2008; member, Advisory Committee, 2008.

Global Roundtable on Climate Change (GROCC), Columbia University Earth Institute: member, 2004 – 2008.

King's Centre for Risk Management, King's College London (led by Ragnar Lofstedt): member, Academic Advisory Board, 2003 – present.

Center for the Study and Improvement of Regulation, Carnegie Mellon University (led by Granger Morgan): member, Advisory Board, 2001.

Venice International University: member, Committee on Environment, and Program in Analysis & Governance for Sustainable Development, 2001-2006.

Harvard Debate 120th Anniversary Reunion, 2012: Co-organizer.

Harvard Debate Centennial, 1992: Co-chair.

Harvard Law Review Centennial, 1987: Co-chair.

Admitted to the Bar, District of Columbia, 1991

Admitted to the Bar, Massachusetts, 1988

Referee / Peer Reviewer

Cambridge University Press
Edward Elgar Publishing
Harvard University Press
Oxford University Press
Princeton University Press

Environmental Health Perspectives
Global Environmental Change
Journal of Environmental Economics & Management
Journal of Risk Research
Law & Policy
Political Studies Review
Regulation & Governance
Risk Analysis: An International Journal
Science
Stanford Law Review

AEI-Brookings Joint Center for Regulatory Studies / Regulatory Markets Center
National Academy of Sciences (NAS)
Institute of Medicine (IOM)
National Science Foundation (NSF)
Smith Richardson Foundation

Litigation

United States v. Vineland Chemical Co., et al., 931 F.2d 52 (Table), 33 Env'tl Rep. (Cases) 1316 (3rd Cir. 1991). Won affirmance of injunction and penalties imposed in RCRA enforcement action against pesticide manufacturer who illegally operated hazardous waste facility after statutory expiration of permit. Court held right to procedural Due Process not violated by district court's imposition of such penalties during operator's pending appeal to court of appeals of EPA's related administrative notice to cease operations. Briefed and argued for United States.

Tongass Conservation Society v. Cheney, Secretary of Defense, 924 F.2d 1137 (D.C. Cir. 1991) (panel: Hons. Ruth Bader Ginsburg, Patricia Wald, Clarence Thomas). Won unanimous affirmance (opinion by R.B. Ginsburg, J.) of district court's finding that the US Navy had adequately considered all reasonable alternatives in its preparation of the environmental impact

statement required for the construction of an acoustic testing facility in Alaska for Trident-class nuclear-powered submarines. Argued for United States.

Kruchten, et al. v. United States, 914 F.2d 1106 (8th Cir. 1990). Won affirmance of district court's determination that the United States as trustee landowner has no duty under Minnesota or Federal law to repair an embankment protecting abutting farmers from Minnesota River overflow. Argued for United States.

Capital Cities/ABC v. County of Los Angeles, (Cal. Super. Ct. 1986). Won order barring County from auctioning a license to be "The Official Radio Station of the L.A. County Beaches" (with exclusive right to broadcast from the beaches), on ground that County lacked authority under state law to market access to public beaches, especially in light of First Amendment interests at stake. As summer associate, helped draft brief for lead attorney Morgan Chu.

Languages: excellent French, some Spanish, vestigial German