



## Big Data: A Game Changer for Environmental Managers, Advocates and Regulators?

### Speaker Biographies

*Washington, D.C.  
October 22, 2013*

### Karen Bassett

Ms. Bassett is a native Arkansan and graduate of the University of Arkansas in Chemistry.

State environmental regulatory work includes positions at both the Arkansas Department of Environmental Quality as well as the Pennsylvania Department of Environmental Protection (PADEP). Direct environmental program experience ranges from NPDES, Hazardous Waste and Environmental Cleanup Programs (CERCLA, Brownfields and UST).

Administrative duties include Chief Information Officer and Deputy Secretary for Administration at PADEP and now Chief Deputy Director at ADEQ.

Ms. Bassett has served on the Environmental Council of States Data Management Workgroup since 2001 serving as the Workgroup Chair since 2008. She represented the states on the Exchange Network Leadership Council and served as the state co-chair for 4 years. She has most recently been engaged in the ECOS-EPA workgroup that developed a Conceptual Blueprint and governance structure for the E-Enterprise initiative and will be serving as a state representative on its Leadership Council.



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### Alexandra Dapolito Dunn

Alexandra Dapolito Dunn serves as Executive Director and General Counsel of the Association of Clean Water Administrators. She has 19 years of experience in environmental law and policy. For the past 12 years, she has worked extensively on water quality, water treatment, and implementation of the Clean Water Act. She is a published author, and speaks regularly, on water policy, sustainability, and environmental justice. She is a Lecturer in Law at the Columbus School of Law, Catholic University of America (DC) (Advanced Topics in Environmental Law) and advisor to the Environmental Law Society. Dunn is a member of the bar in DC, MD, and NY, the U.S. Supreme Court, and federal courts.

Dunn is the immediate past Chair of the American Bar Association's (ABA) Section of Environment, Energy, and Resources. In 2013, she was appointed to the ABA's Task Force on Sustainable Development. Dunn serves on the Board of Directors of the Environmental Law Institute. She also serves as Secretary of the non-profit U.S. Water Alliance. In 2013, Dunn was elected to the Fellows of the American Bar Foundation.



From 2007 to 2010, Dunn served as Dean of Environmental Law Programs at Pace Law School (NY), where the environmental curriculum is ranked among the top nationally. As Adjunct Professor of Law, Dunn taught seminars in Environmental Justice, and in Human Rights and the Environment. Before Pace, Dunn was General Counsel of the

National Association of Clean Water Agencies (DC), Counsel to the American Chemistry Council (VA), and an environmental attorney at Winston & Strawn (DC). She has represented parties, intervenors, or amicus curiae in over 25 environmental cases.

She earned her J.D., magna cum laude, at the Columbus School of Law, Catholic University of America (DC), where she was Editor-in-Chief of the Law Review. She earned her B.A., cum laude, in Political Science and French, James Madison University, VA.

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## Robert Francisco

When not trekking across the Himalayas, hiking the Pacific Crest Trail or exploring some other far off the beaten path destination, Robert oversees and leads the North American operations of FirstCarbon Solutions (FCS). In this role he partners with other country leaders in addition to the office of ADEC Group — a company of which FCS is a part.



Robert has spent most of his technical career focusing on water issues in the U.S. and California. Robert has worked on some of the most complicated and controversial wetland issues in the Western U.S. with an emphasis in wetland mitigation/restoration and regulatory compliance as implemented through the Clean Water Act, Fish and Game Code, and Regional Water Quality Control Board regulations. He has also focused on both federal and state endangered species issues for over 2 decades.

Prior to leading FCS North America, Robert was the Chief Operating Officer for Michael Brandman Associates (MBA), which FCS acquired in 2012. Before MBA, Robert was the Northern California Regional Director and Principal for Jones & Stokes Associates (Now ICF/Jones & Stokes). He has also served as the head of the regulatory compliance group, while maintaining his field biology and wetland ecology skills.

Robert has a Bachelor degree from Sacramento State University in Environmental Studies with a minor in Biological Science. After a dishwashing job in high school, Robert served his country as a Sergeant in the First Battalion, Fifth Division of the United States Marine Corps where he was an infantry platoon leader.

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## Cynthia Giles

Assistant Administrator Cynthia Giles leads EPA's efforts to enforce our nation's environmental laws and advance environmental justice. Giles has committed EPA's Office of Enforcement and Compliance Assurance to three goals: tough civil and criminal enforcement for violations that threaten communities and the environment, with a particular emphasis on addressing the problems of communities overburdened with pollution, Next Generation Compliance: achieve greater compliance and reduce pollution using advanced monitoring and information technologies, and strong EPA/State/Tribal environmental protection: work together toward shared environmental goals.



Giles has more than 30 years of service in the public, private and non-profit sectors. She prosecuted civil violators of environmental laws as an Assistant United States Attorney in Philadelphia, led the water

protection program for the Commonwealth of Massachusetts, served as the Director of Enforcement Coordination for EPA Region 3 and before returning to EPA was the Director of the Conservation Law Foundation's Advocacy Center in Rhode Island, where she advocated for laws and policies to combat climate change and promote clean energy.

Giles has a BA from Cornell University, a JD from the University of California at Berkeley and an MPA from the Harvard University Kennedy School of Government.

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## Gary Guzy

Gary S. Guzy currently serves as the Deputy Director and General Counsel for the White House Council on Environmental Quality (CEQ). Gary brings 25 years of environmental leadership experience in business, government, and academia to the job.

Prior to his appointment, Mr. Guzy served as Vice President, General Counsel, and Corporate Secretary of APX, Inc., the leading infrastructure provider for environmental and energy markets. He was also an Adjunct Professor of Environmental Law at the Georgetown University Law Center, where he taught the law school's first-ever course on climate change law. Prior to that, Gary served as the Global Practice Leader for Climate Risk and Sustainability at Marsh, Inc., the world's leading insurance broker and strategic risk advisor, and was Marsh's chief strategist and spokesperson on climate and sustainability issues.



Gary was appointed by President Clinton and confirmed by the U.S. Senate to serve as the General Counsel of the U.S. Environmental Protection Agency (EPA) from 1998 to 2001. In that role, he served as the Agency's chief legal officer and as a member of its senior leadership team, working with the Administrator to establish and carry out strategic regulatory, legislative, and public relations goals, accomplishing important air pollution and tailpipe emissions protections, fostering Everglades protection, and designing regulatory approaches to protect children. He also authored climate change opinions that were later ratified by the U.S. Supreme Court in its landmark decision finding that greenhouse gases are pollutants under federal law. Prior to General Counsel, Gary served as Counselor to the Administrator at EPA, as EPA's Deputy General Counsel, and as a Senior Attorney at the U.S. Department of Justice, where he handled major environmental litigation from the Everglades to Alaska. He has also practiced environmental law in the private sector as a partner with the law firm of Foley Hoag LLP and served as a consultant to the U.S. Senate Environment and Public Works Committee and the Chesapeake Bay Foundation.

Gary is the author of the "Climate Change and Insurance" chapter of the American Bar Association's recent book on Climate Change and U.S. Law. He received his Juris Doctor degree, cum laude, from Cornell Law School and his Bachelor of Arts degree, magna cum laude, from Cornell University, and began his legal career as a Judicial Clerk for the Honorable Elbert P. Tuttle of the U.S. Court of Appeals for the Eleventh Circuit.

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## Paul Hagen

Paul Hagen practices in the areas of U.S. and international environmental law. He counsels leading multinational corporations and trade associations on environmental compliance and market access requirements related to product design, supply chain management, and resource protection measures in the U.S. and in key markets worldwide. He also advises clients on the negotiation and implementation of regional and global environmental



agreements, with a particular emphasis on treaties and related legislation impacting the chemicals, electronics, and pharmaceuticals sectors.

Mr. Hagen advises a diverse group of clients on market access and product stewardship initiatives. His work includes advising on chemical import notification requirements, restricted substances legislation (e.g., RoHS), supply chain due diligence for sourcing of timber and conflict minerals, labeling and energy efficiency standards, dangerous goods shipments, and consumer product safety requirements. He works extensively with companies on product take-back and recycling mandates in the U.S., Europe, Asia-Pacific and Latin America including requirements governing the transboundary movement of used and end-of-life products.

Mr. Hagen has represented clients on matters arising under numerous international environmental agreements, including: the Basel Convention and OECD decisions governing transboundary movement of hazardous wastes and recyclables; the Stockholm Convention on Persistent Organic Pollutants (POPs); SAICM; the Biosafety Protocol to the Convention on Biological Diversity; the Framework Convention on Climate Change and the Kyoto Protocol; the CITES Convention; the Montreal Protocol; and various marine conservation accords.

Mr. Hagen's domestic environmental practice includes compliance counseling and enforcement defense related to a range of environmental matters, with an emphasis on product recycling, chemical release reporting and Right-to-Know issues.

He has also advised multinational financial institutions, lender groups and various industry sectors on the environmental and social requirements and performance standards governing large infrastructure and energy projects. He has advised governments in Asia, Africa and the Middle East on the drafting of environmental and natural resources legislation.

Mr. Hagen serves on the boards of several leading non-profit organizations. These include the Conservation Fund, the World Environment Center (WEC) and the Chesapeake Conservancy. He is a former board member and former Board Chair of the Environmental Law Institute (ELI). He has taught as an adjunct professor of law at the Washington College of Law at American University (Washington, D.C., Geneva). Mr. Hagen's environmental practice has been prominently recognized in Chambers USA and other leading publications, including The Best Lawyers in America and Super Lawyers.

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## Stephen Harper

Stephen Harper is Global Director, Environment and Energy Policy, at the Intel Corporation. He also serves as Co-Chairman of the Digital Energy and Sustainability Solutions Campaign (DESSC), a coalition of leading IT companies and energy efficiency advocacy groups focused on the role of IT in driving energy efficiency and sustainability solutions in the US, China and India. He also serves as Chairman of the International Climate Change Partnership (ICCP).

In his Intel capacity, Harper advises senior management and oversees a staff that manages all of the company's interactions with governments around the world related to the environmental and energy performance of its factories and products.

Outside Intel, Harper serves on the Board of Directors of both the Center for Environmental Policy at American University and the Chesapeake Conservancy.



Prior to Intel, Harper served as a senior regulatory manager for the Amoco Oil Company and was a Senior Policy Advisor at the US Environmental Protection Agency (EPA). He has also served as a Vice President of ICF Consulting, as a policy analyst with the Colorado Legislative Council, and as a project manager for the California State Coastal Conservancy.

Harper's education includes a Bachelor's degree from the University of Colorado, where he graduated with highest honors. He also has a Master's in International Affairs from Princeton University and an MBA from the University of Chicago.

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## Stewart Leeth

At Smithfield, the world's largest producer of pork products, Leeth is responsible for ensuring the company meets government regulatory requirements at its plants and on its farms. He has also been instrumental in the development and oversight of the company's sustainability program, which focuses on environmental stewardship and sustainability, animal welfare, worker safety, food safety, community development, and value creation.



Leeth previously served as a partner with the law firm of McGuireWoods, where he represented the firm's clients before federal and state courts and agencies in matters involving the major federal and state environmental statutes, water rights disputes, cost recovery and contaminated property litigation, rulemaking and permitting, and five years as an assistant attorney general for the Commonwealth of Virginia, where he represented a variety of state agencies. Leeth also served as a federal law clerk in U.S. District Court for the Eastern District of Virginia.

In 2011, he was honored by the Ethisphere Institute, an international think tank focused on corporate social responsibility and sustainability, as one of its "Attorneys Who Matter." He earned an undergraduate degree in International Studies from the University of Richmond, where he also graduated from the university's law school.

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## Peter Lehner

Peter Lehner is the Executive Director of NRDC, and manages more than 430 dedicated environmental advocates in seven offices across the planet and guides NRDC's policy positions and advocacy strategies.

Since Peter assumed his role as Executive Director in 2006, NRDC has strengthened and rededicated its resources towards curbing global warming, creating a clean energy future for America, reviving the world's oceans, defending endangered wildlife and wild places, protecting our health by preventing pollution, ensuring safe and sufficient water, and fostering sustainable communities. NRDC has opened new offices in Chicago and Beijing, and established a new Center for Market Innovation and a new Science Center.

Peter brings a wealth of experience to his position as Executive Director, including creating and leading the environmental prosecution unit for New York City Law Department early in his career. Subsequently, Peter began his long association with NRDC, serving for five years as Director of NRDC's water



program from 1994 to 1999. He left NRDC to become the Chief of the Environmental Protection Bureau of the New York State Attorney General's Office, where he supervised all environmental litigation by New York State, prosecuting a wide variety of polluters and developing innovative multi-state strategies targeting global warming, acid rain, and smog-causing emissions from the country's largest electric utility companies. His work at the Attorney General's office, where he led a staff of 65, received great acclaim and recognition for furthering the environmental agenda in New York State, the Northeast and nationally.

In addition to Peter's leadership at NRDC, he has been involved with a number of other organizations. He serves on the boards of the Butler Conservation Fund, the Columbia Journal of Environmental Law, and the Environmental Law Institute. He is also a member of the Council on Foreign Relations and on the advisory council of Harvard University's David Rockefeller Center for Latin American Studies.

Peter has been honored with the Distinguished Public Service Award by the Association of the Bar of the City of New York; the Earth Day Good Government Award by the City of New York; the Environmental Leadership Award by Hudson Riverkeeper; the Region II Environmental Quality Award by the U.S. Environmental Protection Agency; and the Environmental Leadership award by Environmental Advocates.

Peter's love for the natural world extends beyond the court room and board room. He has spent much of his time in the outdoors with his wife and daughters -- hiking, climbing, canoeing, kayaking and exploring wilderness. Peter received an AB degree in Philosophy and Mathematics from Harvard College, and his law degree from Columbia University Law School, where he continues to teach environmental law. While at NRDC, Peter has continued his extensive involvement in sustainable farming and green business, including in Central America. Peter is fluent in Spanish, and is a Director of Ingenio Taboga, S.A., and Cafetalera AQUIARES, S.A.

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## Dr. Jane Snowdon

Dr. Jane L. Snowdon is Director and Chief Innovation Officer for IBM U. S. Federal Government in Washington D.C. She has responsibility for defining and driving strategy, and designing new solutions that address client mission requirements through innovation and technology adoption. Jane is a member of the Intelligence and National Security Alliance (INSA) Council on Technology and Innovation. She co-chairs the Cyber Security Education and Workforce Development Working Group with the Department of Homeland Security.



Prior to this role, Jane was a Senior Manager and Research Staff Member in the Department of Strategy and Worldwide Technical Operations at the IBM T. J. Watson Research Center in Yorktown Heights, NY. She was responsible for jointly leading the direction of IBM's overall Research strategy across twelve global labs and the 2013 Global Technology Outlook.

Jane has been a leader in IBM for developing strategies and driving research efforts worldwide to create innovative solutions for smarter buildings as part of IBM's Smarter City initiative for which she received an IBM Research Division Outstanding Technical Achievement Award. Jane was instrumental in defining a partnership with Columbia, CUNY, and NYU for research collaboration, which was announced by Mayor Bloomberg, to help address New York City's energy challenges. She initiated and successfully completed two projects on energy analytics for large portfolios of buildings with 1,200 K-12 public schools in a major city and a university campus of 60 buildings covering a combined 150 million square feet.

Jane managed the Emerging Systems Design Department at IBM Research where she led work in online handwriting recognition and a worldwide team of 50 people to design new high performance computing servers. Jane has conducted research in schedule planning optimization, journey management, crew pairing, and recovery from irregular operations for domestic and international airlines.

Jane received her Ph.D. in Industrial and Systems Engineering from the Georgia Institute of Technology, a M.S. degree in Industrial and Operations Engineering from the University of Michigan, and a B.S. degree with distinction in Industrial and Management Systems Engineering from the Pennsylvania State University. She was inducted into the Connecticut Academy of Science and Engineering (CASE) in 2006 and the Academy of Distinguished Engineering Alumni at Georgia Tech in 2008. Jane chairs the Advisory Board for the Department of Industrial and Systems Engineering at Georgia Tech where she is also a member of the College of Engineering Advisory Board. Jane serves on the City University of New York (CUNY) Institute of Software Design and Development (CISDD) Advisory Board and is a past Board member for Stony Brook University's Center of Excellence in Wireless and Information Technology (CEWIT) Medical Division. Jane was selected as the General Chair for the 2002 Winter Simulation Conference (WSC), Technical Program Chair and Council Member for the 2000 and 2001 AGIFORS (Airline Group of the International Federation of Operations Research Societies) Symposiums, and Advisory Council Member of the 2001 INFORMS (Institute for Operations Research and the Management Sciences) Practice Meeting. She is a Senior Member of IIE, IEEE, and a Member of AFCEA, CASE, INFORMS, NYAS, and WIT. Jane has published more than sixty articles in mathematics, computer science, and engineering literature. She is a frequent speaker on the future of information technology at conferences and universities. Jane is a past co-chair for the Watson Women's Network (WWN) and past WWN representative to the Watson Diversity Council. Jane was honored by Girls Inc. Westchester in 2012 as a prominent professional and role model for the next generation of women leaders.

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