

Bios for Technical Advisors and Advisory Board Members

Stephen O. Andersen, Ph.D.,
United States
Environmental
Protection Agency
(EPA) -- ACCO
Technical Advisor

Dr. Stephen O. Andersen recently retired as Director of Strategic Climate Projects in EPA's Climate Protection Partnership Division. He was the EPA liaison to the Department of Defense on Ozone and Climate Protection and Co-Chair of the Mobile Air Conditioning Climate Protection Partnership. Previously he was Deputy Director of the EPA Stratospheric Ozone Protection Division. He created EPA's first voluntary partnerships and its first international awards and pioneered the replacement of prescriptive standards with environmental performance standards. He was a member of the team that commercialized no-clean soldering and participated in commercialization of other technologies to eliminate ozone depleting substances.

Stephen is a founding Chair of the Montreal Protocol Technology and Economic Assessment Panel and has been Co-Chair and Lead Author of Reports for the Intergovernmental Panel on Climate Protection (IPCC). With K. Madhava Sarma he authored "Protecting the Ozone Layer: the United Nations History" (Earthscan, London, 2002); with Durwood Zaelke "Industry Genius: Inventions and People Protecting the Climate and Fragile Ozone Layer" (Greenleaf, Sheffield, 2003); and with K. Madhava Sarma and Kristen N. Taddonio "Technology Transfer for the Ozone Layer: Lessons for Climate Change," (Earthscan, London, 2007). He has earned dozens of national and international awards including the prestigious 2008 Service to America Career Achievement Medal. His Ph.D. is from the University of California, Berkeley.

Marlys Appleton,
AIG

Marlys Appleton is Vice President of AIG Investments and Chair of its Sustainability Steering Committee. Her background is in traditional and emerging risk, valuation and financial modeling. In 2006, based on her leadership in an elite concept team looking at emerging risk, she was appointed to spearhead the integration of climate change and environmental factors, as well of social and governance risk, into investment decision making. In this capacity, she has developed and executed strategies for enhanced investment due diligence, including thought leadership, education and skill building, reporting, metrics and data acquisition to support the enhanced due diligence process.

Marlys engages internally with portfolio managers and analyst and externally with NGO's and is signatory representative for AIG Investments at the UN Environmental Program- Finance Initiative, with the Carbon Disclosure Project (CDP) and with the Investor Network on Climate Risk (INCR). Using CDP data, she developed a carbon intensity calculator to assess the embedded footprint of portfolio holdings in sensitive sectors including oil sands and metals and mining, among others. Ms Appleton was a member of the AIG GHG Steering Committee which first quantified its global footprint in 2006 and 2007.

Marlys is a frequent speaker and participant at industry forums on integrating climate change and other environmental risks into insurance and mainstream asset management. She holds an MS from the MIT Sloan School of Management, a BA in Economics from the University of Washington and a Certificate in Public Finance from the University of Michigan Graduate School of Business. She is a member of the Board of Directors of the Women's Network for a Sustainable Future (WNSF), a network of knowledgeable practitioners working to advance sustainability by engaging women and providing a platform for knowledge transfer, capacity building, action and interaction to develop women as leaders in sustainability.

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Charlie Cunniff,
City of Seattle,
Office of
Sustainability and
the Environment

Charlie Cunniff is the Director of the Seattle Climate Partnership (SCP). The SCP, a program of the City of Seattle Office of Sustainability & Environment, is a voluntary effort among Seattle area businesses, organizations and institutions to measure and reduce their carbon footprint in accordance with the Kyoto protocols. The SCP offers tools, guidebooks, workshops, recognition and networking opportunities to help its Partners achieve their carbon reduction goals.

Charlie began his career in the private sector as a solar energy systems designer and energy conservation consultant. He then worked in the non-profit field as the Executive Director of ECOSS - the Environmental Coalition of South Seattle. At ECOSS, Cunniff implemented a network of ground-breaking programs making the essential links between businesses, governments and communities on environmental, social and economic development issues.

Nancy Degnan,
Columbia University
Center for
Environmental
Conservation and
Research

Anne (Nancy) Degnan is the Executive Director of the Center for Environmental Research and Conservation (CERC), an organization of the Earth Institute, at Columbia University. CERC is a consortium of Columbia University, the American Museum of Natural History, the Wildlife Conservation Society, the New York Botanical Garden and the Wildlife Trust. CERC's mission is to build environmental leadership and solve complex environmental problems. At CERC, Degnan spearheads initiatives and programming in education, training and research in conservation science. The primary focus is to bridge the science and non-science communities with the goal of informing decisions and practices about environmental sustainability in corporations (particularly as this refers to supply chain and business models), non-profit and public sector organizations. She co-chairs a working group on climate change and adaptation with a focus on ecosystem services as a tool of adaptation.

Nancy has consulted with nonprofit and public sector organizations domestically and internationally including the United Nations, the National Science Foundation, The Woodrow Wilson National Fellowship Foundation, U.S. Department of Education, The New York City Department of Education, and the Colombian and Mexican governments. Prior to joining CERC, Dr. Degnan was a dean at Columbia's School of International and Public Affairs and an associate director at the School of Architecture, Planning and Preservation. Her research and writing has focused on community based initiatives in education, sustainable development and redevelopment, microfinance and enterprise development.

Steve Frenkel,
Illinois
Environmental
Protection Agency

Steve Frenkel is the Chief Policy Advisor at the Illinois Environmental Protection Agency where he helps direct the state's climate change policy and oversees the agency's energy initiatives. He represents Illinois in the development of the Midwestern Greenhouse Gas Reduction Accord, the Governor's Energy Security and Climate Stewardship Platform, and the Governor's Climate and Forestry Task Force (an international effort among states to Reduce Emissions from Deforestation and Forest Degradation). Steve also oversees implementation of the Illinois Climate Action Initiative, a comprehensive plan to reduce greenhouse gases statewide and the development of Illinois EPA's climate change adaptation initiatives, and represents Illinois EPA on the Illinois Energy Team, an interagency effort to foster investment in clean energy using innovative project finance methods.

Prior to joining Illinois EPA Steve served as the Deputy Chief of Staff in the Illinois Governor's Office where he directed the state's energy, environmental and economic development policy. In this position, Steve developed initiatives to boost energy independence and address climate change that included adoption of a Renewable Energy Standard and Energy Efficiency Standard as well as efforts to promote advanced coal technology with carbon capture and sequestration, advanced biofuels production and securing landmark emissions reductions from coal-fired power plants.

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James Goldstene,
California Air
Resources Board

James Goldstene is the Executive Officer at CARB. The Board has 11 members appointed by the Governor and is responsible for California's clean air programs and the implementation of AB 32, The Global Warming Solutions Act of 2006. The Executive Officer oversees the development and implementation of regulations and policies adopted by the Board, and reviews legislative proposals and technical materials supporting those policies. He also represents CARB before other government agencies, the Legislature and with stakeholders.

Prior to his appointment at CARB, James served a dual role at the Board. In 2006 he was brought on as a specialist to coordinate the Board's involvement in California's Smog Check program. He also served as Senior Advisor to the Board's Office of Climate Change, responsible for providing policy guidance and direction for the implementation of AB 32, the nation's first state climate change regulation.

Goldstene also served as Deputy Chief at the California Department of Consumer Affairs' Bureau of Automotive Repair. The Bureau regulates automotive repair dealers and administers the state's Smog Check program. His career includes key management positions with the Bureau of Barbering and Cosmetology, State Contractors License Board, and other financing authorities in the Office of the State Treasurer. Goldstene also served as Lieutenant Governor Leo McCarthy's environmental advisor in the early 1990s.

John Kadyszewski,
The American
Carbon Registry

John Kadyszewski is the Director of Winrock International's American Carbon Registry. For more than 30 years he has worked to apply sound science and economics to energy and resource management issues with experience in the U.S. and more than 20 countries in Africa, Latin America, Asia, and Europe. In the early 90s, Mr. Kadyszewski led Winrock's efforts to develop and field-test peer-reviewed methods and procedures for measuring carbon storage in forestry and agroforestry projects. He directed collaboration efforts with the electric power industry and the environmental community resulting in the design, development and implementation of multiple forestry, land use change and renewable energy projects to sequester carbon or reduce emissions of greenhouse gases. In the late 90s, he managed development of advanced monitoring tools that combine aerial digital imagery with spatial information systems to improve measurement and analysis of land management practices and associated environmental impacts. He founded the Ecosystem Services Group at Winrock in 2001 and was the co-leader of terrestrial sequestration work for the Southeast Regional Carbon Sequestration Partnership.

Today he continues as the co-leader of terrestrial sequestration work for the West Coast Regional Carbon Sequestration Partnership covering potential terrestrial sequestration activities in California, Oregon, Washington and Arizona, including highlighting the significant impact fire has and will have on existing and future carbon stocks on forest lands in the west. He co-led work sponsored by the California Energy Commission's PIER program to establish baselines and quantify terrestrial carbon sequestration opportunities for the State of California. He is a co-founder of the Environmental Enterprises Assistance Fund and the International Cane Energy Network and has authored studies and reports, testified before congressional committees, and made numerous national and international presentations. He has a BS in engineering from Princeton University.

Bios for Technical Advisors and Advisory Board Members

Daniel M. Kammen,
University of
California, Berkeley

Daniel M. Kammen is the Class of 1935 Distinguished Professor of Energy at the University of California, Berkeley, where he holds appointments in the Energy and Resources Group, the Goldman School of Public Policy, and the department of Nuclear Engineering. He works on energy and environmental science, policy and analysis, and has extensive field experience in Latin American, southeast Asia and China, and in Africa, which has been a focal point of his work for two decades. Kammen is the founding director of the Renewable and Appropriate Energy Laboratory (RAEL), Co-Director of the Berkeley Institute of the Environment. and the Director of the Transportation Sustainability Research Center.

The focus of Kammen's work is on the science and policy of clean, renewable energy systems, energy efficiency, the role of energy in national energy policy, international climate debates, and the use and impacts of energy sources and technologies on development, particularly in Africa and Latin America. Kammen has published five books, over 200 journal articles and 30 research reports. He has testified many times to the U. S. House and Senate, and to the legislatures in California, Connecticut, Minnesota, New York, and Washington. He is an advisor to the UK and Swedish governments on energy and environment, and the Secretary General of the United Nations as well as UNEP and UNDP. He advises California Governor Schwarzenegger on energy issues, and works closely with Mary Nichols of the California Air Resources Board. Kammen's team helped to develop the Low Carbon Fuel Standard

Daniel Kammen is also a coordinating lead author for the Intergovernmental Panel on Climate Change (IPCC), which won the Nobel Peace Prize in 2007. He is also the chair of the research board of Enphase Energy, a solar and energy efficiency company, the director of Baseload Energy and is a research director for Direct Carbon, a fuel cell company. He is on the board of EDP-Renewables (Lisbon, Portugal), Greenwala (San Francisco), and is a Member of the Copenhagen Climate Council for Business Leadership.

Bruce Klafter,
Applied Materials

Bruce Klafter is Senior Director, Environmental, Health and Safety (EHS) for Applied Materials, Inc. and serves as Head, Corporate Responsibility and Sustainability for the company. Bruce heads up Applied's EHS department, which is responsible for assisting business units worldwide with compliance, industrial hygiene, product safety and various strategic initiatives. The Corporate Responsibility and Sustainability role encompasses a wide variety of reporting, employee engagement and other projects aimed at enhancing Applied's global citizenship programs. Before assuming his current role, Bruce was EHS counsel for the Company.

Prior to joining Applied Materials, Bruce was the Chair of the Environmental Group at Orrick, Herrington & Sutcliffe LLP and before that, was Deputy Attorney General for the State of California. He has served as chair of the Association of Corporate Counsel America's (ACC-A) national Environmental Committee, the State Bar of California's Environmental Law Section and the Bar Association of San Francisco's Environmental Committee. He presently serves as an Advisory Council member for Sustainable Silicon Valley and for Next Ten's Green Innovation Index.

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Cary Krosinsky,
Trucost

Cary Krosinsky is Vice President for Trucost Plc. Trucost has built the world's most extensive database of over 700 emissions and pollutants of over 4500 public companies around the world and uses this data to help portfolio managers understand their carbon footprints, helping lower them while maintaining and enhancing performance. Cary is a member of the 70 person Expert Group in 2005 that created the Principles for Responsible Investment (PRI) of the United Nations, which has since been committed to buy over \$14 Trillion worth of asset managers and owners. He worked in collaboration with Trucost on their award winning 2006 UK Trust Carbon Footprint study, and the IFC sponsored Carbon Counts Asia 2007 report, which was issued at the December 2007 UN meetings in Bali. He continues to work with the Los Angeles Times, and has written and spoken publicly over time as a leading interpreter of ownership on CNBC, in the Wall Street Journal and more. Cary is also the co-author of Sustainable Investing: The Art of Long-Term Performance.

Sonal Mahida,
Carbon Disclosure
Project

Sonal Mahida, Vice President USA of the Carbon Disclosure Project (CDP), currently oversees their U.S. operations. Before joining CDP in 2008, she was a Senior Governance Analyst at TIAA-CREF, where she was responsible for engaging portfolio companies on social and environmental issues and proxy voting. She holds an M.B.A. in Non-profit Management as well as Finance from Boston University's School of Management, and a B.A. from Barnard College. Sonal is a frequent speaker on the impacts of climate change and related policy on business and how businesses relate those impacts to investors.

The Carbon Disclosure Project (CDP) is an independent not-for-profit organization that gathers data through annual Information Requests on behalf of institutional investors, purchasing organizations and government bodies. Since its formation in 2000, CDP has provided essential climate change data to the global market place. Investor CDP represents some 475 institutional investors, with combined assets under management in excess of \$55 trillion. CDP also works with private and public sector organizations to facilitate the collection of climate change data from their supply chains, as well as with local government to drive emissions reduction and sustainable development in key cities around the world. More than 2,000 corporations around the globe report their greenhouse gas emissions and the risks and opportunities posed by climate change through CDP.

**Edward T. (Tom)
Morehouse, Jr.,**
Institute for Defense
Analyses

Tom Morehouse is a recognized energy and business process expert, retained by the Office of the Secretary of Defense (OSD) to implement recommendations from these reports, including development of new strategies, policies, procedures and analytical tools to incorporate energy considerations into force planning, requirements development, acquisition and infrastructure decisions, including an energy-based key performance parameter linking operational energy demand to mission effectiveness, guidance for applying the "fully burdened cost of fuel" to analysis of alternatives and acquisition trades, and a risk-based approach to energy investments at installations to assure continuity of mission through greater efficiency and use of renewable energy sources.

Tom is the principal author of a 2008 Defense Science Board (DSB) study titled, "More Fight – Less Fuel" that determined reducing energy demand by military forces could improve operational effectiveness and reduce operational vulnerabilities. He is also a contributing author to a 2007 CNA report "National Security and the Threat of Climate Change." which examined the national security consequences of global climate change, including geopolitical instability, infrastructure vulnerabilities, food and water scarcity, and the potential for humanitarian disasters. This study recommended governmental actions that could help prepare the Department of Defense (DoD) for potential missions required under varying climate change scenarios.

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James Strock,
James Strock & Co.

James Strock is a longtime American leader in sustainability, serving throughout as a change agent and advancing environmental improvement using the power of markets to create customer and bottom-line value. He is a frequent speaker and commentator on sustainability issues across the world, including the linkage between environment, energy, economic and national security.

Jim served in California Governor Pete Wilson's cabinet as the state's founding Secretary for Environmental Protection. He implemented the Governor's vision for the California Environmental Protection Agency (Cal/EPA), which was approved in 1991. Following confirmation by the state senate, Mr. Strock established and led an agency comprising more than 4,000 employees and an \$800 million budget, whose regulations and policies have global environmental, energy and economic impact. California's longstanding environmental and business leadership are key elements of its position among the largest and most productive economies in the world.

During Strock's tenure, major advances were achieved in protection of air, land and water. In the face of the challenges of the early 1990s recession, the Agency reframed longstanding debates on environment and economy, advancing high environmental standards while reforming bureaucratic process. Highlights include the adjudication and restoration of Mono Lake; significant reductions in air pollution from mobile and stationary sources; reform of pesticide regulations; and international initiatives ranging from participation in the negotiation of the North American Free Trade Agreement and other issues with Mexico, to enhanced cooperation with Germany, China and other nations. Among the Agency's numerous recognitions during his tenure was a \$100,000 "Innovation" award from Harvard University and the Ford Foundation, presented by President Clinton at the White House, citing the agency's environmental technology leadership.

Kristen N. Taddonio,
United States
Environmental
Protection Agency --
ACCO Technical
Advisor

Kristen N. Taddonio is Co-Director of Strategic Climate Projects at the U.S. Environmental Protection Agency's Climate Protection Partnerships Division, where she organizes public-private partnerships for environmental innovation, harmonizes international standards to speed technology market penetration, and directly promotes technology transfer. She manages the EPA's new Climate Choice program, launched to advance innovative emerging technologies that reduce greenhouse gas emissions and to complement the EPA's successful ENERGY STAR program by identifying, promoting, and removing barriers to technologies that have the potential to become Energy Star technologies in the future. Kristen also directs the EPA's International Climate Protection Awards, a program that was established in 1998 to recognize exceptional leadership, innovation, dedication and technical achievements in climate protection.

Prior to working at EPA, Kristen was a technical writer and marketing associate for the ENERGY STAR program. She earned a Masters degree in International Environmental Resources from the George Washington University's Elliott School of International Affairs (Science, Technology and Public Policy), where she graduated summa cum laude. She has also earned degrees in Scientific and Technical Communication and International Relations. Her papers have been featured in plenary sessions of conferences and workshops in Austria, France, India, Italy, Japan and the U.S., and she is co-author of the book "Technology Transfer for the Ozone Layer: Lessons for Climate Change" (Published by Earthscan, London, 2007) with S.O. Andersen and K.M Sarma, and in 2007, was presented the Government Partner of the Year Award by the Mobile Air Conditioning Society, Worldwide.