

KATHARINE (KIT) BATTEN, PH.D.

kit@kmbatten.com | katharine.batten@asu.edu

Recognized expert in science-based climate change policy and international development with 15 years of sustainability leadership in private-sector, governmental, non-governmental, and academic organizations

SKILLS

- **Change Management:** create and integrate new climate change initiatives across large government and private sector bureaucracies
- **Budget Oversight:** have managed annual budgets of up to \$350 million
- **Personnel Management:** have led teams of up to 75 people
- **Communications Expertise:** communicate with diverse audiences, including translating science for use in policy, Congressional testimony, TV and radio interviews, conferences, university courses, grant writing, op-eds, policy papers, and scientific publications
- **Fundraising Proficiency:** successful engagement with government agencies, philanthropic foundations, private donors, and the private sector to raise and leverage funds to support work at the Center for American Progress, the Heinz Center, USAID, and UC Davis
- **Domestic and International Experience:** policy development, program execution, and diplomatic engagement at the regional, state, federal and international levels, with work experience in Africa, Asia, Caribbean, Central and South America, Europe, and within the U.S.
- **Stakeholder Engagement:** strong relationships with diverse stakeholders in international, state, local and tribal governments; businesses; non-governmental and advocacy organizations, universities, innovators, and philanthropic organizations

EDUCATION

- Ph.D. in Ecology, University of California, Davis (2004); *Interactions between Invasive Plants and Soil Microorganisms: Impacts on Microbial Community Composition, Ecosystem Function, and Native Plant Performance*
- M.S. in Ecology, University of California, Davis (2001)
- B.A. with High Honors in Chemistry, Oberlin College, Oberlin, OH (1996)

WORK EXPERIENCE

Professor of Practice, Arizona State University, Tempe, AZ (November 2018-present)

- Teach upper-level climate science and policy courses in the School of Sustainability.
- Participate in climate policy and resilience grant writing and research in collaboration with LightWorks, a center in the Global Institute of Sustainability.

Consultant, kmbatten.com, California and Oregon (July 2018-present)

- Support the development and implementation of a climate adaptation/resilience program for a major California energy utility.
- Support the the quantification of benefits and effects associated with irrigation modernization for an Oregon-based NGO.

Climate Resilience Chief, Pacific Gas and Electric, San Francisco, CA (2017-2018)

- Led a company-wide initiative to increase the climate resilience of PG&E's assets, infrastructure, operations, and employees as well as the resilience of the communities PG&E serves.
- Built internal climate resilience expertise through quarterly Officer Coordination Committee meetings; monthly Climate Resilience Working Group meetings; forecasting and downscaling climate change impacts in PG&E's service area; developing trainings; climate resilience tool development; pilot projects; and risk assessment.
- Represented PG&E's climate resilience work through speaking engagements and participation in technical advisory councils and boards.

Executive Director at the University of California, Davis Policy Institute for Energy, Environment, and the Economy, Davis, CA (2015-2016)

- Created a strategic vision and plan to implement the Policy Institute's mission to leverage university expertise and engage directly with decision-makers to deliver credible, relevant, and timely information and analysis to inform energy and environmental policy.
- Regularly communicated with policy makers and the research community to generate relevant materials to inform on-going policy debates.
- Developed a campus-wide conference on the United Nations Sustainable Development Goals.

Global Climate Change Coordinator at the U.S. Agency for International Development, Washington, DC; Political Appointment Position (2011-2015)

- Directed and coordinated all Agency activities on climate change mitigation and adaptation, including leading the implementation of the *USAID Climate Change and Development Strategy*.
- Coordinated and managed a team of ~75 climate change experts across USAID.
- Managed the Agency's annual climate change budget of ~\$350 million in over 40 countries.
- Led and managed multi-million dollar public-private partnerships.
 - U.S. Government lead on *Tropical Forest Alliance 2020*, an alliance with the private sector, civil society, and international governments to reduce tropical deforestation by increasing the sustainability of key agricultural supply chains (palm oil, beef, soy, and pulp and paper).
 - In partnership with the White House Office of Science and Technology Policy, co-led the development of the new \$34 million Climate Services for Resilient Development Partnership.
 - Led USAID's climate work in the Global Partnership on Resilience with the Rockefeller Foundation.
 - Co-led USAID's engagement in *Powering Agriculture: An Energy Grand Challenge for Development*, a \$25 million initiative to increase global food security through clean energy solutions in partnership with the Swedish Government, Duke Energy, the African Development Bank, OPIC, and USDA.

- In partnership with the White House National Security Council and US Department of Treasury, contributed to the drafting of and co-lead the inter-agency implementation of Executive Order 13677: *Climate Resilient International Development*.
- Acted as USAID lead for U.S. Government's Enhancing Capacity for Low Emissions Development Initiative.
- Created a program to encourage innovation in integrating climate change objectives across the Agency's development portfolio (e.g., integration of climate change with biodiversity, food security, global health, women's rights and empowerment, democracy and governance, and water security).
- Interfaced with the U.S. Congress on USAID global climate change programming and budget.
- Represented the US Government at United Nations Framework Convention on Climate Change Conferences.

Senior Science and Policy Fellow and Program Director at the H. John Heinz III Center for Science, Economics, and the Environment, Washington, DC (2010)

- Raised \$125,000 to support this new start-up project.
- Designed and conducted an inaugural workshop in September 2010 to train academic, government and NGO scientists with the skills to communicate with media and policy makers.
- Workshop participants included U.S. Congressman Mike Thompson; CA State Senator Alex Padilla; Agency leads for the California EPA, CA Department of Food and Agriculture, CA Energy Commission, CA Ocean Protection Council & CA Air Resources Board; *The Washington Post*; *The New York Times*; Capitol Public Radio; and Miller McCune.

Science Advisor to the Deputy Secretary of the Interior, Washington, DC; Political Appointment Position (2009-2010)

- Lead author of Secretarial Order No. 3289, "Addressing the Impacts of Climate Change on America's Water, Land, and Other Natural and Cultural Resources" (September 14, 2009).
- Facilitated the implementation of S.O. No 3289, including the design of the Department's Climate Science Centers (CSCs), Landscape Conservation Cooperatives (LCCs), and the Department's data integration and dissemination strategy.
- Represented the U.S. Government at the UN Framework Convention on Climate Change Conference in Copenhagen, Denmark, 2009.
- Staffed the Deputy Secretary on climate change issues, including acting as his designee for Council for Environmental Quality meetings: Interagency Adaptation Task Force, and Ecosystem Services.
- Staffed the Associate Deputy Secretary on the President's Interagency Ocean Policy Task Force
- Coordinated scientific activities between all of Interior's bureaus.
- Testified twice before Congress on climate change science-related issues.

Senior Fellow/Managing Director for Energy and Environmental Policy, Center for American Progress (CAP), Washington, DC (2007-2009):

- Researched and wrote energy and environmental policy recommendations for state and local governments, the U.S. Congress, the Executive Branch, and international governments.
- Managed a team of twelve energy and global warming policy experts and analysts; coordinated interdisciplinary policy projects with CAP's domestic, international, and economic policy teams.

- Testified before Congress and spoke regularly on TV, radio, and at conferences.
- Areas of expertise: international global warming negotiations, federal global warming cap-and-trade legislation; state global warming reduction plans; renewable energy policy; alternative low-carbon fuels; energy efficiency; low-carbon transportation; smart growth and natural land management policy; carbon capture and sequestration.
- Grant writing and fundraising expertise; helped raise over \$1.2 million in 2008.

Legislative Assistant, Office of Senator Dianne Feinstein (D-CA), Washington, DC, (2006-2007)

- Legislative responsibilities included: climate change, energy, agriculture, and transportation.
- Wrote, solicited co-sponsorship, and assisted in the introduction of The Electric Utility Cap and Trade Act of 2007 (S. 317), Ten in Ten Fuel Economy Act of 2007 (S. 357), Oil and Gas Traders Oversight Act of 2007 (S. 577), A Bill to Restore Import and Entry Agricultural Inspection Functions to the Department of Agriculture (S. 887), and Clean Fuels and Vehicles Act of 2007 (S. 1073).
- Met with Congressional offices, state officials, federal agencies, non-governmental organizations, industry representatives, scientists, and constituents.

AAAS Congressional Science Fellow, Office of Senator Joseph Lieberman (I-CT), Washington, DC, (2006):

- Legislative responsibilities included: climate change, energy, land conservation and management, fisheries, and the Endangered Species Act.
- Worked with Senator Lieberman to write letters investigating allegations of climate scientist censorship at four government agencies (NASA, NOAA, EPA, and USFS).
- Wrote press releases, constituent responses, and articles for the *Crops, Soils, and Agronomy News*.
- Organized a conference, *Climate Policy: the Path Forward for Connecticut and the Nation*.

Postdoctoral Associate, National Ecological Observatory Network (NEON) at the American Institute of Biological Sciences, Washington, DC, (2005):

- Worked in the National Ecological Observatory Network (NEON) Project Office to plan and establish a series of ecological observatories in the United States.
- Regularly communicated with research scientists and educators (particularly regarding invasive species and infectious disease) to develop scientific research questions, experimental designs, infrastructural requirements, and data management techniques to be implemented at NEON observatories.

POLICY PUBLICATIONS

Kit Batten and Mark Lubell (November 2015) Drought: El Nino is not the cavalry. *Capitol Weekly* (<http://capitolweekly.net/drought-water-policy-el-nino-california/>).

Kit Batten (December 2008) Policy Recommendation to the Department of the Interior: Invasive Species Management Recommendations. (http://change.gov/open_government/entry/kit_battens_policy_recommendations_to_the_department_of_the_interior/).

Kit Batten (December 2008) Policy Recommendation to the Department of the Interior: Wetland Restoration – Creating Green Jobs in the Low-Carbon Economy. (http://change.gov/open_government/entry/kit_battens_policy_recommendations_to_the_department_of_the_interior/).

Kit Batten (December 2008) Policy Recommendation to the Department of the Interior: Water Policy & The National Wildlife Refuge System. (http://change.gov/open_government/entry/kit_battens_policy_recommendations_to_the_department_of_the_interior/).

Kari Manlove and Kit Batten (December 2008) Identifying Hurdles to Renewable Electricity Transmission. (http://www.americanprogress.org/issues/2008/12/renewable_transmission.html).

Robert Pollin, Heidi Garrett-Peltier, James Heintz, and Helen Scharber (authors); Kit Batten and Bracken Hendricks (project managers) (September 2008) Green Recovery: A Program to Create Good Jobs and Start Building a Low-Carbon Economy. (http://www.americanprogress.org/issues/2008/09/pdf/green_recovery.pdf).

Kit Batten, Benjamin Goldstein, and Bracken Hendricks (June 2008) Investing in a Green Economy: Using Cap-and-Trade Auction Revenue to Help American Families and Spur Clean Energy Innovation. (http://www.americanprogress.org/issues/2008/06/auction_revenue_report.html).

Chris Pyke and Kit Batten (May 2008) Full Disclosure: An Executive Order to Require Consideration of Global Warming Under the National Environmental Policy Act. (http://www.americanprogress.org/issues/2008/05/full_disclosure.html).

Kit Batten and Jake Caldwell (February 2008) Develop Good Biofuels: The Journal Science Tells Us Why. (http://www.americanprogress.org/issues/2008/02/biofuels_diversity.html).

Kit Batten (December 2007) The Lessons of Bali: The U.S. Needs to Lead on Global Warming. (http://www.americanprogress.org/issues/2007/12/bali_lessons.html).

Kit Batten and Kari Manlove (December 2007) A Real Change for Climate Policy: Moving Beyond the Kyoto Protocol in Bali. (http://www.americanprogress.org/issues/2007/12/bali_2007.html).

John Podesta, Todd Stern, and Kit Batten (November 2007) Capturing the Energy Opportunity: Creating a Low-Carbon Economy, Part of Progressive Growth, CAP's Economic Plan for the Next Administration. (http://www.americanprogress.org/issues/2007/11/energy_chapter.html).

Kit Batten, Jane Bullock, Benjamin Goldstein, George Haddow, Bracken Hendricks, Kari Manlove, and Daniel J. Weiss (August 2007) Forecast: Storm Warnings. (<http://www.americanprogress.org/issues/2007/08/forecast.html>).

Kit Batten, Kari Manlove, and Nat Gryll (July 2007) Climate Refugees: Global Warming Will Spur Migration. (http://www.americanprogress.org/issues/2007/07/climate_debt.html).

Kit Batten (May 2007) A Giant Baby Step on Global Warming. (http://www.americanprogress.org/issues/2007/05/bush_order.html).

CONGRESSIONAL TESTIMONY

“Oversight Hearing on Forests and Climate Change,” (November 18, 2009) Testimony of Kit Batten, Ph.D., before the Senate Energy and Natural Resources Committee Subcommittee on Public Lands and Forests. (http://energy.senate.gov/public/_files/BattenTestimony111809.doc)

“Legislative Hearing: S. 1013, the Department of Energy Carbon Capture and Sequestration Program Amendments Act of 2009,” (May 14, 2009) Testimony of Kit Batten, Ph.D., before the Senate Committee on Energy and Natural Resources. (http://www.doi.gov/ocl/2006/S1013_051409.htm)

“Investing in a Clean Energy Future: Opportunities and the Costs of Inaction,” (January 8, 2009) Testimony of Kit Batten, Ph.D., before the Senate Committee on Energy and Natural Resources. (http://www.americanprogressaction.org/issues/2009/01/batten_clean_energy.html)

SCIENTIFIC PUBLICATIONS

Drenovsky, R.E., Feris, K.P., Batten, K.M., and Hristova, K.R. (2008) New and current microbiological tools for ecosystem ecologists: towards a goal of linking structure and function. *American Midland Naturalist* 160:140- 159.

Batten, K.M., Scow, K.M., and Espeland, E.K. (2008) Soil microbial community associated with an invasive grass differentially impacts native plant performance. *Microbial Ecology* 55:220-228.

Drenovsky, R.D., and Batten, K.M. (2007) Invasion by *Aegilops triuncialis* (barb goatgrass) slows carbon and nutrient cycling in a serpentine grassland. *Biological Invasions* 9:107-116.

Batten, K.M., Scow, K.M., Davies, K.F., and Harrison, S.P. (2006) Two invasive plants alter soil microbial community composition in serpentine grasslands. *Biological Invasions* 8:217-230.

Six, J., Frey, S.D., Thiet, R.K., and Batten, K.M. (2006) Bacterial and fungal contributions to carbon sequestration in agroecosystems. *Soil Science Society of America Journal* 70:555-569.

Batten, K.M., Six, J., Scow, K.M., and Rillig, M.C. (2005) Plant invasion of native grassland on serpentine soils has no major effects upon selected physical and biological properties. *Soil Biology & Biochemistry* 37:2277-2282.

Batten, K.M., Scow, K.M. (2003) Sediment microbial community composition and methylmercury pollution at four mercury mine-impacted sites. *Microbial Ecology* 46:429-441.