

Anthony C. Janetos

Curriculum Vitae

Business Address

The Frederick S. Pardee Professor and
Director, The Frederick S. Pardee Center
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Education

Ph.D. (Biology), Princeton University, 1980
M.A. (Biology), Princeton University, 1978
A.B. (Biology), *Magna cum Laude*, Harvard University, 1976

Experience

2013-Present: The Frederick S. Pardee Professor and Director, The Frederick S. Pardee Center for the Study of the Longer-Range Future, Boston University.

Directs an interdisciplinary, university-wide research center focused on the evolution of the human condition over periods of decades to centuries. Sponsors graduate student research fellowships on interdisciplinary approaches to problem-solving. Oversees publication programs of the Center, from issue briefs and white papers to seminar and conference volumes. Responsible for performing and directing research on interdisciplinary environmental issues.

2006-2013: Director, Joint Global Change Research Institute. Directs a team of researchers in environmental sciences and economics, focusing primarily on developing model frameworks for integrated assessment and analysis of global change. Responsible for initiating and developing new research areas in global change impacts and vulnerability assessment to complement existing strengths in technology assessment and greenhouse gas emissions scenarios. Responsible for program planning and associated development activities. Supervises more than 45 junior and senior technical staff. Performs personal research on ecological responses and adaptation to global change.

Represents the Institute in a variety of public and governmental forums. Serves as a coordinating lead author for IPCC, as a coordinator for a national assessment of climate change impacts on the US, and serves on a wide variety of oversight and advisory committees.

2003-2006: Vice President, H. John Heinz III Center for Science, Economics, and the Environment. Responsible for overall management and administration of Heinz Center research activities. Lead of strategic planning for the Heinz Center. Responsible for initiating and carrying out a program of policy and scientific research on global change issues, including both climate change and other biological global changes. Responsible for convening and working with an Advisory Committee for global change studies within the Heinz Center, and for providing new research directions for global change issues within the Center. Responsible for development activities. Serves as a Coordinating Lead Author in the Ecosystems Trends and Conditions component of the Millennium Ecosystem Assessment, as a Lead Author in IPCC Working Group II, and on various other external advisory committees.

2002-2003: Senior Fellow, H. John Heinz III Center for Science, Economics, and the Environment. Responsible for initiating and carrying out a program of policy research on global change issues, including both climate change and other biological global changes. Responsible for convening and working with an Advisory Committee for global change studies within the Heinz Center, and for providing new research directions for global change issues within the Center. Served as chair of Landsat Global Data Working Group, charged with providing strategic and technical advice to NASA on the creation of global, Landsat based datasets of imagery and land-cover. Serves as a Coordinating Lead Author in the Ecosystems Trends and Conditions component of the Millennium Ecosystem Assessment.

2002: Vice President for Science and Research, World Resources Institute. Responsible for intellectual and scientific quality of WRI publications and programs. Manages the internal and external peer review process for WRI publications, as well as internal review processes for the initiation of projects. Served as chair of Landsat Global Data Working Group, charged with providing strategic and technical advice to NASA on the creation of global, Landsat based datasets of imagery and land-cover. Served as a Coordinating Lead Author in the Ecosystems Trends and Conditions component of the Millennium Ecosystem Assessment. Responsible for mentoring research staff throughout WRI on the appropriate use of different research methodologies, and for ensuring that new methods for outcome-oriented policy research continue to be developed and applied.

1999-2002: Senior Vice President and Chief of Program, World Resources Institute. Responsible for direction, planning, and review of policy research and action programs across the entire suite of activities within WRI. As one of two Senior Vice-Presidents, reports directly to the President of WRI on all programmatic issues. Initiates and manages both internal and external review processes for program plans, proposal development, and written products. Responsible for developing, reviewing, and managing outcome-oriented policy research throughout the Institute, and for evaluating

program effectiveness. Responsible for communication and involvement of Program Committee of the WRI Board of Directors. Serving as chair of Landsat Global Data Working Group, charged with providing strategic and technical advice to NASA on the creation of global, Landsat based datasets of imagery and land-cover. Served as co-chair of the National Assessment Synthesis Team, a body charged with providing intellectual leadership and oversight of the US National Assessment of the Potential Consequences of Climate Variability and Change. Served as a lead author for the Intergovernmental Panel on Climate Change's Special Report on Land-Use Change and Forestry (Methods Chapter).

1995-1998: Team Leader and Senior Scientist, Land-Cover and Land-Use Change Program, NASA. Responsible for the direction, planning and implementation of process-level and modeling research needed for understanding the consequences of changes in land-cover and land-use around the world. Identified and coordinated needed activities across many disciplines within the Research Division in order to forge an interdisciplinary, interagency program. Represented NASA as part of the US Global Change Research Program. Served as Program Scientist for Landsat and the Earth Observing System (EOS) AM-1 Platform, responsible for overseeing the development of scientific programs in support of their missions. Supported the United Nations Environment Programme (UNEP) Global Biodiversity Assessment (GBA) as a member of the editorial team and co-author of several sections, including the Summary for Policy Makers. Lead author of science section of new UNEP white paper on interlinkages of global environmental issues. Served as co-chair of the National Assessment Synthesis Team, a body charged with providing intellectual leadership and oversight of the US National Assessment of the Potential Consequences of Climate Variability and Change.

1994-1995: Chief, Earth System Models and Ecological Processes Branch, NASA. Responsible for the direction, planning and implementation of process-level and modeling research in the development and evaluation of global, coupled models of the climate system, and for oversight of research on hydrologic and ecological processes and the global carbon cycle. Responsible for the development and implementation of a major interagency initiative on the environmental consequences of landcover change. Represents NASA as part of the US Global Change Research Program. Oversaw the development of new research initiatives in Earth system modeling, ecology, deforestation, habitat fragmentation and the carbon cycle. Served as Program Scientist for Landsat and the Earth Observing System (EOS) AM-1 Platform, responsible for overseeing the development of scientific programs in support of their missions. Represented NASA in committees and working groups of the Committee on Environment and Natural Resources (CENR). Contributed to a chapter on the carbon cycle in the 1994 Intergovernmental Panel on Climate Change (IPCC) Scientific Assessment, and as a member of the management team and drafter of sections in the United Nations Environment Programme (UNEP) Global Biodiversity Assessment (GBA).

1993-1994: Chief, Ecology and Atmospheric Chemistry Branch, NASA. Responsible for the direction, planning and implementation of process-level and

modeling research in ecology and atmospheric chemistry. Represented NASA as part of the US Global Change Research Program. Oversaw the development of new research initiatives in ecology and atmospheric chemistry, deforestation, habitat fragmentation and the carbon cycle. Served as Program Scientist for Landsat and the Earth Observing System (EOS) AM-1 Platform, responsible for overseeing the development of scientific programs in support of their missions. Represented NASA in committees and working groups of the Committee on Environment and Natural Resources (CENR). Contributed as a co-author to a chapter on the carbon cycle in the 1994 Intergovernmental Panel on Climate Change (IPCC) Scientific Assessment, and as a member of the management team and drafter of sections in the United Nations Environment Programme (UNEP) Global Biodiversity Assessment (GBA).

*1990-1993: **Manager, Terrestrial Ecology Program, NASA.*** Responsible for implementing, reviewing and managing process-level research projects on terrestrial ecology within the Earth Sciences and Applications Division of NASA. Represented NASA as part of the US Global Change Research Program. Oversaw the initiation of new activities to quantify the effects of tropical deforestation on the carbon cycle. Negotiated agreements with principal investigators and oversaw reviews of individual projects. Served as Program Scientist for MODIS. Contributed as a co-author to a chapter on greenhouse gases in the 1992 Intergovernmental Panel on Climate Change Scientific Assessment.

*1987-1990: **Manager, EPA/ORD Global Climate Change Research Program.*** Responsible for the development, planning and implementation of a new research program in support of policy development. Formed and managed interdisciplinary, interlaboratory management team. Negotiated agreements with principal investigators and oversaw reviews of individual projects and programs. Represented EPA/ORD in various external forums. Supervised professional staff. Contributed as a co-author to a chapter on terrestrial ecosystem impacts in the 1990 Intergovernmental Panel on Climate Change Impacts Assessment. In this position, progressed from being a Team Leader to an Acting Staff Director.

*1986-1987: **Deputy National Program Manager, EPA/USFS Forest Response Program.*** Responsible for translating policy information requirements into technical directions for a major environmental research program as part of the National Acid Precipitation Assessment Program (NAPAP). Directed research planning and implementation of projects via interactions with an interagency technical management team.

*1984-1986: **Acid Deposition Research Staff, EPA.*** Responsible for initiating and designing research programs on the effects of acid deposition and other air pollutants on forests. Co-authored an interagency research prospectus and assisted in negotiating the management structure of the program.

*1982-1984: **Postdoctoral Research Fellow, Harvard School of Public Health.*** Developed analytic and simulation models for predicting possible secondary effects of

anthropogenic disturbances in multi-species systems by coupling decision analysis models with models of community structure. Authored a chapter on the origins and maintenance of biological variability in a volume on variations in susceptibility to toxic air pollutants.

1980-1982: NSF Postdoctoral Fellow, University of Utah. Responsible for developing field research on the behavioral aspects of use of limited resources by orb-weaving spiders. Instituted a series of controlled, replicated field experiments on single species. Further developed a statistical theory of decision-making rules by simple animals under variable ecological conditions without making assumptions of optimality.

Other Positions and Responsibilities

2011-2016. Member, National Academy of Sciences Board on Atmospheric Sciences and Climate. Responsible for review and participating in BASC activities and panels.

2011-2016. Member, NSF Advisory Committee on Environmental Research and Education. Responsible as part of a broader committee for advising the NSF on new directions in environmental research and education.

2014-2017. Member, Dept. of Energy Biological and Environmental Research Advisory Committee. Responsible as part of an interdisciplinary committee to advise the DOE Office of Science on research priorities in environmental and biological research.

2014-2017. Member, National Research Council Committee to Advise the US Global Change Research Program. Responsible for providing advice on activities and priorities for the USGCRP.

2014-2017. Member, Oak Ridge National Laboratory Climate Change Science Institute Advisory Committee. Responsible for strategic advice and review of science priorities and activities related to climate change at ORNL.

2010-2016. Member, NRC Space Studies Board. Responsible as part of the Space Studies Board for advice and conducting studies on various aspects of the US Space Program, with particular attention to Earth observations.

2007-present. Chair of Steering Committee, Global Observations of Forest Cover. Responsible for overall coordination and oversight of international program on generating observations of forest cover and other land-cover and land-use changes. GOFC is also a panel within the program of Global Terrestrial Observing System.

2012-present. Chair of Advisory Board, Center for Energy Decision-Making, Carnegie Mellon University. Responsible for chairing an interdisciplinary board of advisors for an NSF funded Center at Carnegie Mellon, investigating a wide range of energy topics.

2011-2014. Co-Convening Lead Author (with Henry Jacoby) Mitigation Chapter for the National Climate Assessment. Responsible for synthesizing the state of knowledge of strategies for reducing emissions of greenhouse gases or increasing their sinks.

2011-2014. Co-Chair, National Climate Assessment Indicators Working Group. Responsible for development of a national framework for indicators of climate change, impacts, and response strategies.

2011-2014. Member, National Climate Assessment Development and Advisory Committee. Responsible for advice to the National Climate Assessment process, and for writing and reviewing chapters in the synthesis report.

2010-2014. IPCC Co-Convening Lead Author: Regional Context. Chapter 21 in IPCC Working Group 2. Responsible for leading (along with Bruce Hewitson) a team of scientists charged with evaluating the literature on regional issues and providing a context for individual regional chapters in IPCC Working Group 2.

2011-2013. Chair, Long Term Ecological Research Program National Advisory Board. Responsible for advice and oversight of the LTER network's research activities.

2011-2012. Vice Chair, Science Steering Committee, IGBP Global Land Project. Responsible for leading a small group of the steering committee in creating a synthesis of results and findings from more than a decade of research in land science.

2011-2012. Member, NRC Committee on Mid-Term Review of NASA's Response to the Decadal Survey on Earth Observations. Responsible, as part of an NRC committee, for reviewing and reporting on NASA's, NOAA's, and USGS's response to the NAS report on Decadal Survey for Earth Observations.

2009-2012. Member, Science Steering Committee, IGBP Global Land Project. Responsible as part of a steering committee for scientific guidance and contributions to the understanding of the interactions of land-cover and land-use change, human decisions about energy and land-use, and the provision of ecological services from the land.

2008-2009. Member, CCSP Committee on a Unified Synthesis Product on Climate Impacts. Responsible as part of a team for creating a synthesis and assessment product for the US Climate Change Science Program that summarizes results from all its previous impact assessment reports.

2008-2009. Member, NRC Committee on New Biology for the 21st Century. Responsible for co-authoring a report on priorities for biological and interdisciplinary research recommendations.

2008. Member, NRC Committee on Ecological Impacts of Climate Change. Responsible for co-authoring a report on ecological impacts of climate change for use as an educational brochure for the general public.

2008-2013. Member, Long Term Ecological Research Program National Advisory Board. Responsible for advice and oversight of the LTER network's research activities.

2008-2013. Visiting Professor, Geography Department, University of Maryland. Responsible for participating in the research and service agenda of the Geography Department, and for conducting collaborative research with the Department and JGCRI.

2007-2013. Visiting Professor, Earth System Science Interdisciplinary Center, University of Maryland. Responsible for participating in the research and service

agenda of the Earth System Science Interdisciplinary Center, and for conducting collaborative research with ESSIC and JGCRI.

2007-2010. Member, National Academy of Sciences Climate Research Committee. Responsible for review and participating in Climate Research Committee activities and panels.

2007. Member of University of Maryland Faculty Working Group for the Conservation and Sustainable Development Program. Responsible for participating in discussions about the future of this UMD Masters program.

2006-2009. Co-Lead of Climate Change Science Program Synthesis and Assessment Product on Impacts of Climate Change on US Ecosystems. Responsible (along with David Schimel, NCAR) for overall direction, author selection, and synthesis chapters for a new assessment of observed changes in US ecosystems due to climate change and variability.

2005-2009. Member, Advisory Panel for International Global Observations of Land. Responsible for providing an NGO perspective on a new international program to coordinate land observations from space.

2005-2007. Lead Author, Intergovernmental Panel on Climate Change Working Group II. Responsible for writing sections of Chapter 20, Issues in Climate Change and Sustainability.

2005-2006. Member of Expert Panel on Impacts of Climate Change and Variability on Transportation Systems and Infrastructure- Gulf Coast Study. Responsible for advising Department of Transportation and university scientists on a study of climate impacts on transportation in the US Gulf Coast.

2005-2007. Member, National Academy of Sciences Survey Steering Committee for Earth Science and Applications from Space: A Community Assessment and Strategy for the Future, and Chair of the Panel on Earth Science Applications and Societal Needs. Responsible for leading a panel studying the applications of Earth sciences for tangible social benefits and for writing portions of two major reports.

2005. Member, Review Committee for Conservation International's Center for Applied Biodiversity Science. Responsible for reviewing program plans and accomplishments and making recommendations to CI management.

2005. Member, Review Committee for DOE Integrated Assessment Program. Responsible for reviewing and recommending proposals on integrated assessment methods and data products to the DOE program manager.

2005. Member, Review Committee for AAAS Children's Science News Awards.

Responsible for recommending awards in science journalism for children for AAAS for 2006 Annual Meeting.

2005. Member, Review Panel for the International Research Institute. Responsible for reviewing the progress of Columbia University Earth Institute's major program on the use of climate information.

2005-2006. Chair, Visiting Review Committee for Center for Climate Change Decision Making Under Uncertainty, Carnegie Mellon University. Chaired a visiting committee responsible for reviewing plans and progress to date for NSF-funded center at Carnegie Mellon for issues related to decision making on climate change, and the role of uncertainty.

2004-2005. Member, NEON Committee on Organization and Governance. Responsible for providing advice on the organizational structure and governance of the National Ecological Observatory Network, an initiative supported by the NSF.

2004. Chair, ad hoc Committee for Advising the Interagency Working Group on Earth Observations. Responsible for providing advice from scientific, NGO, private sector communities to the interagency process on Global Earth Observation System of Systems.

2004. Member, Dept. of Energy Climate Change Division Committee of Visitors. Responsible for reviewing the performance of peer review processes in DOE's programs on Integrated Assessment and Ecological Research within the Climate Change Division of the Office of Health and Environmental Research.

2003. Member, Review Committee for Research Strengths in Virginia's Universities. Responsible for providing advice to Governor Mark Warner of Virginia on top environmental research programs in Virginia public universities.

2002-2005: Member, International Scientific Advisory Committee for China's Sub-Global Assessment. Responsible for evaluating plans of the Chinese Academy of Sciences to conduct an integrated regional ecosystem assessment in the western parts of China.

2002-2004: Member, National Academy of Sciences Committee to Review the US Climate Change Science Program Strategic Plan. Responsible for investigating and reporting on the scientific program and strategy proposed by the US Government for both fundamental and applied research on the science of climate change.

2002: Member, National Academy of Sciences Committee on Science in the Smithsonian. Responsible for investigating and reporting on the state and quality of scientific research within the Smithsonian Institution. Recommends to the Administration whether and which science should remain part of the Smithsonian's

mission. Chairs a subcommittee looking specifically at ecological and environmental research within the Smithsonian.

2002-2005: Coordinating Lead Author, Ecosystems Conditions and Trends, Millennium Ecosystem Assessment. Responsible for coordinating the input to an international scientific review of the conditions and trends of ecosystems throughout the world, evaluating their capability for providing goods and services for human use.

2001-2002: Chair, Landsat Global Data Working Group. Responsible for providing strategic advice and technical analyses for NASA with respect to constructing a global Landsat database for the year 2000, and for advice with respect to creating a global, high-resolution land-cover dataset.

2001-2005: Member, Scientific Advisory Board, Stonehaven Productions. Responsible for providing scientific review of Canadian television production on climate change and its potential impacts.

2000-2005: Member, Scientific and Technical Board for Global Observations of Forest Cover (GOFC). Responsible for providing overview and guidance on strategic direction and activities of international project for observing status and changes in forest cover.

1999-2005: Member, Steering Committee for UNEP-GRID North America. Responsible for overview and guidance for activities of UNEP-GRID North American node.

1999-2002: Member, Advisory Board for Center for the Use of Science in Regulation. Responsible for providing overview and advice to research studies at Carnegie Mellon University and others on the use of science in environmental regulation.

2000: Member, External Review Committee for the Social Sciences, Brown University. Responsible for reviewing the academic quality of environmental sciences within the context of social sciences institutes at Brown University.

1997-2000: Co-Chair, National Synthesis Team, National Climate Impact Assessment. Responsible for co-chairing the team responsible for the overall design and conduct of regional and sectoral analyses in the first national climate impact assessment. Responsible as part of the team for writing the synthesis report of the assessment.

1998-1999: Member, National Land Surface Remote Sensing Archive Advisory Committee. Responsible for providing advice to the US Geological Survey's Eros Data Center on policy direction, goals, and future activities for the US archive of remote sensing information on the Earth's land surface.

1998: Chair, Ad Hoc Review Committee for *Ecological Issues*. Responsible for leading the review of the scientific quality of the Ecological Society of America's special

publication series, *Ecological Issues*, the impact it has had on environmental policy and education, and the performance of its lead editor.

1997-1998: Chair, US Global Change Research Program Ecology Working Group. Responsible for interagency coordination of terrestrial and marine ecological research programs within the US Global Change Research Program. Responsible for preparation and review of descriptive and interpretive material on ecological research across the agencies.

1997-1999: Member, Committee to Evaluate Indicators for Monitoring Aquatic and Terrestrial Environments, National Research Council (Water Science and Technology Board and Board on Environmental Studies and Toxicology). Responsible for scientific review and advice on methods and potential indicators of stress in aquatic and terrestrial ecosystems.

1996-1999: Member, Steering Committee, Global Terrestrial Observing System. Responsible for oversight of scientific direction and implementation of projects to plan for a global approach for monitoring terrestrial ecosystems.

1996: Co-Chair, Ad Hoc JSTOR Committee, Ecological Society of America. Serves, along with Prof. Rob Colwell, to advertise and hire a computer coordinator and then implement the Ecological Society's responsibilities as part of the Mellon Foundation JSTOR project.

1996-1997: Board Member at Large, American Institute of Biological Sciences. Responsible for setting policy and overseeing actions of executive officers of AIBS.

1995-1997: Steering Committee Member, Seventh Cary Conference: Successes, Limitations, and Frontiers in Ecosystem Science. Responsible for advice to the organizers on direction and participants in Cary Conference Symposium.

1994-Present: Steering Committee Member, MEDEA. Responsible for reviewing data and advising Department of Defense and intelligence community on scientific applications of remote sensing assets and interface with civil remote sensing programs.

1993-1994: Advisory Committee Member, Princeton Environmental Institute. Responsible for reviewing and providing advice to Princeton faculty on the development and accomplishments of an interdisciplinary undergraduate program.

1993-1999: Editorial Board, *Ecological Applications*. Responsible for reviewing and recommending for publication research papers appropriate for publication in this journal of the Ecological Society of America.

1995-1997: Member, Special Committee on Data Archive and Sharing, Ecological Society of America. Responsible for recommending policies governing ESA's activities to create electronic archives for ecological data.

1995-1996: Vice President for Public Affairs, Ecological Society of America.

Responsible for developing and implementing ESA policy on public interest, public affairs, international affairs, and outreach activities. As member of Governing Board of the ESA, responsible for voting on overall policy issues that guide the actions of ESA staff, publications, and membership issues.

1995: Steering Committee Member, ASPRS Conference: Land Satellite Information in the Next Decade. Responsible for advice to the organizers on direction and participants in Cary Conference Symposium

1993-1994: Advisory Planning Board Member, National Biodiversity Information Center. Responsible for reviewing and providing advice to proponents of the National Biodiversity Information Center on the development of program plans and proposals to initiate this activity.

1992-1994: Panel Member, Environmental Task Force. Responsible for reviewing data and advising Department of Defense and US intelligence community on applications of remote sensing assets.

1992-1993: Chair, Landsat Science Working Group. Responsible for chairing an interdisciplinary committee of scientists charged with identifying the primary scientific applications for Landsat-7. Oversaw the production of recommendations for acquisition of current Landsat data, and for scientific recommendations for performance and characteristics of Landsat-8.

1992-1993: Member, GRID Advisory Committee. Responsible for advising UNEP GRID Program on annual workplans and data products, specifically for the node at the USGS Eros Data Center.

1991-1996: Chair, Public Affairs Committee, Ecological Society of America. Responsible for developing and implementing policy on public affairs and outreach activities for the Ecological Society of America. Oversees the activities of the Public Affairs Office and its Director. First term as Chair was 1991-1993. Reappointed for 1993-1996.

1991-1993: Member, EPRI Global Climate Change Advisory Committee. Responsible for providing advice on research topics and progress for EPRI's research program on global climate change.

1990-1992: Chair, Ecological Systems and Dynamics Task Group, US Global Change Research Program. Responsible for programmatic oversight of interagency activities in ecological research on global change, as part of the US Global Change Research Program. Oversaw reviews of programmatic content and priorities of research programs of several Federal agencies. Led drafting teams in producing interagency research plans and descriptions.

1990-1991: Member, Public Affairs Committee, Ecological Society of America.

Responsible for implementing the policies of the Public Affairs Committee. Co-drafted an options paper for implementing the Project Office of the Sustainable Biosphere Initiative.

Honors and Awards

Fellow, Ecological Society of America, 2012
Laboratory Fellow, Pacific Northwest National Laboratory, 2010.
Fellow of the American Association for the Advancement of Science, 2007
National Associate of the National Academy of Sciences, 2005
Director's Award, Science Division, Mission to Planet Earth, 1997
Director's Award, Science Division, Mission to Planet Earth, 1996
Certificate of Appreciation for Meritorious Service, American Society for
Photogrammetry and Remote Sensing, 1996
Certificate of Appreciation for Steering Committee Service, American Society for
Photogrammetry and Remote Sensing, 1995
Mission to Planet Earth Award, 1995
NASA Special Act Award, 1992
Merit Pay Performance Award, EPA Office of Research and Development, 1989
Merit Pay Performance Award, EPA Office of Research and Development, 1988
Special Act Award, EPA Office of Research and Development, 1988
Merit Pay Performance Award, EPA Office of Research and Development, 1987
Special Act Award, EPA Office of Research and Development, 1987
Bronze Medal, EPA Office of Research and Development, 1986
Merit Pay Performance Award, EPA Office of Research and Development, 1986
Special Achievement Award, EPA Office of Research and Development, 1985
Princeton Biology Department Dunlop Prize
Harvard College Scholarship
Harvard Dean's List
National Merit Scholarship

Professional Affiliations

Ecological Society of America
American Association for the Advancement of Science
American Institute of Biological Sciences
American Geophysical Union
Association of Ecosystem Research Centers, Corresponding Member
Society for Conservation Biology
Intecol

Fellowships and Grants

NASA Funding (via START) to Boston University: Chairmanship of GOFC-GOLD (\$32,000)

US Department of Energy funding to PNNL/ Joint Global Change Research Institute: Integrated Assessment Models and Research (Co-PI with Jae Edmonds) (\$9,000,000 over 3 years) (3 mo effort/yr)(renewed 2012-2015).

US Department of Energy funding to PNNL/Joint Global Change Research Institute: Integrating Integrated Assessment Models with Earth System Models (Co-I) (\$12,000,000 over 4.5 years, joint proposal with Oak Ridge National Laboratory and Lawrence Berkeley National Laboratory) (1 mo effort/yr).

US Department of Energy funding to PNNL/ Joint Global Change Research Institute: Integrated Assessment Models and Research (\$2,000,000) (2 mo effort/yr)

US Department of Energy funding to PNNL/Joint Global Change Research Institute: Regional Integrated Assessment Modeling (PI's: Kathy Hibbard, Benjamin Preston, Anthony Janetos) (\$9,000,000 over 5 years; joint proposal with Oak Ridge National Laboratory) (1 mo effort/yr)

NASA funding to University of Maryland: Integrated Assessment of Coupled Human-Forest Dynamics (PI's: George Hurtt and Anthony Janetos) (Total NASA Funding: \$978,571, JGCRI total amount: \$391,305) (1 mo effort/yr)

NASA funding to University of Maryland: Integrated Assessment Modeling of Major Forest Disturbances (PI's: George Hurtt and Jae Edmonds) (Total NASA Funding: \$1,490,208, JGCRI total amount: \$260,869) (0.5 mo effort/yr)

US Department of Energy funding to the Joint Global Change Research Institute: A Research Agenda for Incorporating Impacts and Adaptation Strategies into Integrated Assessment Models (\$2,200,000)

US Department of Energy funding to the Joint Global Change Research Institute: A Research Agenda for Incorporating Impacts and Adaptation Strategies into Integrated Assessment Models (\$300,000)

US Department of Agriculture grant to the University Corporation for Atmospheric Research (UCAR): Leading the Climate Change Scientific Assessment Product 4.3, Climate Change Impacts on US Ecosystems (\$500,000; co-PI with David Schimel; \$80,000 subaward to JGCRI/PNNL).

World Resources Institute grant to the Heinz Center: Policy Implications of the Millennium Ecosystem Assessment (\$5,000).

Surdna Foundation grant to the Heinz Center: Threshold Responses to Global Change, 2005-2006 (\$75,000)

Renewal grant from Surdna Foundation 2006-2007 (\$75,000)

Heinz Endowment matching grant to the Heinz Center: Threshold Responses to Global Change (\$75,000)

Renewal of Heinz Endowment matching grant 2006-2007 (\$75,000)

Switzer Foundation grant to the Heinz Center for support of postdoctoral researcher, 2005-2006 (\$30,000)

Heinz Endowment matching grant to the Heinz Center for support of postdoctoral researcher, 2005-2006 (\$40,000)

EPA grant to the Heinz Center: Indicators of Ecological Effects of Air Quality, 2005-2008 (\$250,000)

DOE purchase order to the Heinz Center for support on Interagency Working Group for Global Earth Observations, 2004-2006 (\$25,000)

NOAA grant to the Heinz Center for support on Interagency Working Group for Global Earth Observations, 2004-2006 (\$167,000)

Millennium Ecosystem Assessment grant to the Heinz Center for Rapid Assessment of Global Land-Cover Change (\$50,000)

Scientific Committee on Problems in the Environment (SCOPE) grant to the Heinz Center for Forest Management and Conservation in an Information Age, 2003-2003 (\$20,000)

NASA Landsat Global Data Working Group, 2001-2002 (\$137,000)

Summit Foundation: Response to Bjorn Lomborg, Skeptical Environmentalist, 2001-2002 (\$50,000)

US Environmental Protection Agency: Ancillary Benefits of Climate Change Policies, 2001-2002 (\$25,000)

Netherlands Ministry of Foreign Affairs Grant on Synergies of Environmental Conventions, 1999-2001 (\$250,000)

NASA Grant on Forest Management and Land-Use Change, 1999-2001 (\$153,000)

National Assessment Synthesis Team (NSF), 1999-2000 (\$51,700)

World Bank Environment Department Grant on Future Scenarios of Environmental Change, 1999 (\$100,000)

Harvard School of Public Health Interdisciplinary Programs in Health Research Fellowship, 1982-1984

American Philosophical Society Committee on Research Grant, 1982

National Science Foundation Postdoctoral Fellowship, 1980-1981

Sigma Xi Grant-in-Aid-of-Research, 1978-1979

Princeton Biology Department Summer Research Grant, 1977-1978

Princeton University Graduate Fellowship, 1979-1980

National Science Foundation Predoctoral Fellowship, 1976-1979

Dissertation Committees

University of California, Irvine, Department of Ecology and Evolutionary Biology: Pollination Biology of Ipomopsis aggregata. Christine Copenhaver.

Reviewer For

Journals:

Climatic Change
Remote Sensing of Environment
Journal of Geophysical Research
Global Biogeochemical Cycles
American Naturalist
Ecology
Ecological Monographs
Ecological Applications
Theoretical Population Biology
Journal of Theoretical Biology
Annals of the Entomological Society of America
Behavioral Ecology and Sociobiology
Journal of Arachnology

Agencies:

National Institutes of Global Environmental Change
National Aeronautics and Space Administration
Environmental Protection Agency
National Science Foundation
Agency for International Development
National Oceanic and Aeronautics Administration
Swiss National Science Foundation

Publications

Papers, Monographs, Book Chapters and Abstracts:

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Janetos, AC. 2013. President Obama's Climate Change Speech: Future Implications. Pardee Perspectives (<http://www.bu.edu/pardee/news/pardee-perspectives/>).

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National Academy Committee Publications Contributed To:

NRC. 2012. *Earth Science and Applications from Space: A Mid-Term Assessment of NASA's Implementation of the Decadal Survey*. National Academy Press. Washington, DC.

NRC. 2009. *A New Biology for the 21st Century: Ensuring the United States Leads the Coming Biology Revolution*. National Academy Press. Washington, DC.

NRC. 2007. *Earth Science and Applications from Space: National Imperatives for the Next Decade and Beyond*. National Academy Press. Washington DC.

NRC. 2004. *Planning Climate and Global Change Research: a Review of the Draft U.S. Climate Change Science Program Strategic Plan Phase II*. National Academy Press. Washington, DC.

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Invited Seminars and Presentations

Climate Change Impacts in the United States – and Beyond. BU GLACIER Lecture. Boston University. Boston, MA. February 2015.

Climate Change Impacts in the United States – and Beyond. Eighth International Conference on Remediation and Management of Contaminated Sediments. New Orleans, LA. January 2015.

Moving Towards Leading Indicators for Global Change. American Geophysical Union. San Francisco, CA. December 2014

Climate Change and Its Impacts in Today's World - and Prospects for the Future. Sea Level Rise and the Future of Coastal Cities Conference. Boston University. Boston, MA. November 2014.

Using GCAM to Investigate Breadbasket Failures. Breadbasket Failure Workshop. Pardee Center for the Study of the Longer-Range Future. Boston, MA. November 2014.

Integrating Climate Impacts Models. NRC Workshop on Modeling the Health Impacts of Climate Change. Washington, DC. November 2014.

Linking ESM's and IAV. DOE Workshop on Linkages Between Energy and Climate Modeling. Bethesda, MD. October 2014.

Energy-Climate Perspectives. DOE Workshop on Linkages Between Energy and Climate Modeling. Bethesda, MD. October 2014.

Challenges of Indicators for Multiple Goals. Sustainable Development Goals Business Working Group. New York, NY. September 2014.

Food Systems and Interactions. NSF Advisory Committee for Environmental Research and Education. National Science Foundation. Arlington, VA. September 2014.

The National Climate Assessment: Implications for Energy Infrastructure and Mitigation. Electricity Generators Society of America Annual Meeting. San Diego, CA. September 2014.

The Third National Climate Assessment. Snowmass Energy Modeling Forum. Snowmass, CO. July 2014.

The Third National Climate Assessment. MIT Conference on Sea-Level Rise. Cambridge, MA. June 2014.

Impacts and Adaptation. Sustainable Global Climate Mitigation Scenarios Workshop. Socioeconomic Synthesis Center. Annapolis, MD (delivered over web). June 2014.

The Third National Climate Assessment. Center for Energy Decision-Making. Carnegie Mellon University. Pittsburgh, PA. May 2014.

The Pardee Center: Studying the Longer-Range Future. Boston University Overseers. Boston, MA. May 2014

Developing a System of National Indicators to Track Climate Changes, Impacts, Vulnerabilities, and Preparedness. Harvard University. Cambridge, MA. May 2014.

GOFC-GOLD: Mitigation Needs for Land Earth Observations. GOFC-GCOS Workshop on Mitigation Observations. Geneva, Switzerland (Delivered over web). May 2014.

GOFC-GOLD: Future Directions for International Cooperation and Coordination of Land Earth Observations. NASA LCLUC Team Meeting. Bethesda, MD. April 2014.

Interacting Sectors and Indicators for the US National Climate Assessment. University of New Hampshire. Durham, NH. April 2014.

International and National Water Security Issues: Interactions in a Changing Climate. Northeastern University Public Lecture. Boston, MA. April 2014.

Developing a System of National Indicators to Track Climate Changes, Impacts, Vulnerabilities, and Preparedness. National Climate Advisory and Developmental Committee. February 2014.

Framing Global Change Science. Plenary Panel, National Council for Science and the Environment. Washington, DC. January 2014.

The Regional Nature of Global Challenges: Needs and Strategy. National Council for Science and the Environment. Washington, DC. January 2014.

Climate Change. UCS Conference – Sandy: One Year Later. Monmouth, NJ. November 2013.

Intersections of Theory and Practice. Santa Fe Institute Conference on Sustainability Theory. Santa Fe, New Mexico. October 2013.

Synthesis: A Focus on Ecosystems. Environmental Defense Fund Science Day. New York, NY. September 2013.

The Frederick S. Pardee Center for the Study of the Longer-Range Future. Boston University Trustees. Boston, MA. September 2013.

Approaches to Modeling Impacts: Snowmass 2013. Energy Modeling Forum. Snowmass, CO. July 2013.

Update on National Climate Indicators System. National Climate Advisory and Developmental Advisory Committee Meeting. Washington, DC. July 2013.

Scientific Assessment: Policy Communication Successes and Failures. Hertog Global Strategy Lecture. Columbia University. New York, NY. June 2013

What to Expect from Climate Impacts Science and Assessment. AMS Workshop on Climate Information Needs for Financial Decision-Making. Washington, DC. May 2013

Climate Impacts. SESYNC Workshop on Sustainable Global Climate Scenarios. Annapolis, MD. May 2013.

An Overview of Accomplishments of GOF-C-GOLD. GOF-C-GOLD Program Symposium. Wageningen University, Netherlands. April 2013.

Mitigation in the National Climate Assessment. National Climate Assessment Symposium. American Meteorological Society Annual Meeting. Austin, TX, January 2013.

Progress in Integrated Assessment Modeling. DOE Town Hall. American Meteorological Society Annual Meeting. Austin, TX, January 2013.

Developing a System of National Climate Assessment Indicators to Track Climate Change Impacts, Vulnerabilities, and Preparedness. NEON User Working Group Conference. Washington, DC. November 2012.

Using an Integrated Assessment Model to Understand Tradeoffs in Ecosystem Services: Energy, Water, Land. EcoSummit Conference. Columbus, OH. October 2012.

Integrated Earth System Modeling and Implications for Earth Observations. Earth and Environment Seminar. Boston University. Boston, MA. September 2012.

Human-Earth System Interactions and Impacts on the Water Cycle. Department of Energy Workshop on Integrated Modeling and Science of the Hydrologic Cycle. Washington, DC. September 2012.

Developing a System of National Climate Assessment Indicators to Track Climate Change Impacts, Vulnerabilities and Preparedness. Ecological Society of America Annual Meeting. Portland, OR. August 2012.

Policy Implications and Actions. Seattle Science Fair. Seattle, WA. June 2012.

Climate Change Science, Impacts, and the Energy System. Consulate of Iceland. New York, NY. May 2012.

Integrated Earth System Model Project Overview. Department of Energy Office of Science. Germantown, MD. April 2012

Integrated Assessment Models and Water-Energy Interactions. ARPA-E Research Conference. Washington, DC. February 2012.

Climate Impacts and Natural Resources: What Do We Know Now and Why Does It Matter? Weather and Climate Summit. Breckenridge, CO. January 2012.

The Role of Land in Climate Policy – and the Role of Climate Policy in the Future of Land Resources Over the Coming Decades. American Geophysical Union. San Francisco, CA. December 2011.

Integrated Assessment Modeling: Understanding Interactions of Earth Systems. Interagency Steering Committee on Multimedia Environmental Modeling. Nuclear Regulatory Commission. Silver Spring, MD. November 2011.

Integrated Assessments and Their Role in Providing Essential Information for Decision-Making. NASA Ecosystem and Carbon PI's Meeting. Arlington, VA, October 2011.

Climate Impacts and Adaptation. IPIECA Steering Committee. Washington, DC, September 2011.

Challenges and Progress in Integrated Assessment and Evolution in the Global Change Assessment Model (GCAM). Department of Energy BER Modeling PI's Meeting. Washington, DC, September 2011.

The National Climate Assessment: Indicators. National Climate Assessment Development and Advisory Committee Meeting. Arlington, VA, August 2011.

Global Change Science for Assessment: Discussion for the NCA (with Diana Liverman). National Climate Assessment Development and Advisory Committee Meeting. Arlington, VA, August 2011.

Energy-Water-Land Interactions. Energy Modeling Forum. Snowmass, CO, August 2011.

Overview of the Joint Global Change Research Institute and Integrated Assessment. IGBP Global Land Project Science Steering Committee Meeting. JGCRI, College Park, MD, May 2011.

Climate Change Impacts on the US. Guest Lecture at George Mason University Continuing Education. Fairfax, VA, April 2011

Modeling and Scaling Issues for the National Climate Assessment. National Climate Assessment Development and Advisory Committee Meeting. Washington, DC, April 2011.

Including Socioeconomics in Earth System Models. IGBP Science Symposium, Bethesda, MD, April 2011.

Evolution and Priorities for the NASA Land-Cover and Land-Use Change Program. University of Maryland, College Park, MD. March 2011

Integrated Modeling for Sustainability. George Mason University. March 2011

Climate Impacts. Department of Homeland Security Climate Briefing. Arlington, VA, March 2011.

Terrestrial Ecosystems, Complexity, and Geoengineering: More Questions than Answers. IGBP Geoengineering Workshop. Scripps Institute of Oceanography. La Jolla, CA. February 2011.

Final Panel Discussion: Food for Thought. EPA Workshop on Integrated Assessment and the Social Cost of Carbon. Washington, DC. January 2011.

Coordinating Ecosystem Monitoring Networks and Indicators. NCA Workshop on Ecosystem Structure and Function. Washington, DC. November 2010.

Structure, Timeline, Products, and Stakeholder Engagement: the First Two Examples. Planning Meeting for Regional and Sectoral Assessments. Reston, VA. November 2010.

Knowledge Management: the First (and Second) National Assessments. Planning Meeting for Knowledge Management. Reston, VA. September 2010.

Climate Change, Energy and Security: Insights from Models and Vulnerability Studies. Energy, Climate, and National Security – Challenges and Opportunities for America. St Mary's College, St. Mary's, MD. August 2010.

Ecosystem Services. Energy Modeling Forum. Snowmass, CO. July 2010.

Climate and Land-Use Priorities. World Wildlife Foundation. Washington, DC. May 2010.

Documenting and Understanding Ecosystem Changes at Large Scales. NRC Board on Chemical Sciences and Technology. Washington, DC. April 2010.

Integrated Assessment Research and Modeling. Office of Science and Technology Policy. Washington, DC. March 2010

Climate Impacts. National Climate Assessment Midwest Stakeholder Outreach Meeting. Chicago, IL. February 2010.

Climate Impacts and Adaptation. US-Germany Research Cooperation Workshop. National Science Foundation. Arlington, VA. February 2010.

The Need to Consider Ecosystem Services. NAS Workshop on Future Socioeconomic Scenarios. Washington, DC. February 2010.

Issues in Land-Use Change: Mitigation and Adaptation. Earth System Science Interdisciplinary Center Seminar. February 2010.

Climate Impacts: Recent Reviews of the Science. Presentation to Chevron Climate Change Committee. San Francisco, CA. December 2009.

Issues in Climate Policy. PNNL Energy and Environment Directorate Review Committee Meeting. Washington, DC. December 2009.

Ecological Impacts of Climate and Land Use Change. University of Maryland BioScience Day. College Park, MD. November 2009.

Understanding Ecosystems and Their Services. GEOSS Symposium: The Scientific Benefits of Data Sharing. Washington, DC. November 2009.

Earth Science and Applications from Space: National Imperatives for the Next Decade and Beyond. CSIS Conference on Earth Observations from Space. Washington, DC. November 2009.

Relating Millennium Development Goals and Climate Change Goals: A Conceptual Framework. JGCRI/PAI Workshop on MDG's and Climate Change. College Park, MD. November 2009.

Ecosystem Services and Pressures on the Land. UN Foundation Solutions from the Land Symposium. Washington, DC. October 2009.

Integrated Assessment Research and Modeling. DOE Headquarters Briefing. Washington, DC. September 2009.

The Decadal Survey for Earth Observations from Space. Augustine Commission on Human Space Flight. Carnegie Institution, Washington, DC. August 2009.

Enhancing Responsiveness to User Needs. EMF Summer Workshop. Snowmass, CO. July 2009.

Testimony to House of Representatives Foreign Affairs Committee. Washington, DC. July 2009.

Operational Challenges for the Next 20 Years. Earth System Science at 20 Symposium. NASA. Washington, DC. June 2009.

Policy and Stakeholders Perspectives: Goals, Objectives, and Interconnections. Howard S. Baker and Woodrow Wilson Centers Energy and Climate Policy Symposium. Washington, DC. June 2009.

Terrestrial Ecosystems, Complexity, and GeoEngineering, Research Agenda for Geoengineering Symposium, NAS America's Climate Choices, Washington, DC. June 2009.

Climate Impacts and Conservation Challenges, Plenary Keynote, NatureServe Annual Meeting, Gettysburg, PA, April 2009.

Climate Impacts, Noblis, Inc. Climate Science Series, Arlington, VA, April 2009.

Perspectives on Deforestation and Forest Degradation, Google Workshop on Deforestation, Mountain View, CA, April 2009.

GOFC-GOLD Overview, NASA Land-Cover and Land-Use Science Team Meeting, Bethesda, MD, April 2009.

Climate Change Effects on Species and Ecosystems, Pew Workshop on Valuing Avoided Damages from Climate Change, Washington, DC, March 2009.

The Implications of Limiting CO₂ Concentrations on Land Use and Energy, University of Maryland Geography Dept. Seminar, College Park, MD, February 2009.

Overview and Conclusions: AAAS Symposium on Biofuels: Consequences for Carbon, Landscapes, and Sustainability, AAAS Annual Meeting, Chicago, IL, February 2009.

The Earth Sciences Decadal Survey, NAS Space Studies Board, Washington, DC., December 2008.

Climate Impacts, Adaptation, and Mitigation, NRC Committee on New Biology in the 21st Century, Washington, DC, October 2008.

An Overview of GOFC-GOLD. GOFC-GOLD Land-Cover Implementation Team Meeting, Jena, Germany, October 2008.

The Effects of Climate Change on Agriculture, Land Resources, Water Resources, and Biodiversity, Testimony to the US House of Representatives Committee on Energy and Commerce, Subcommittee on Energy and Air Quality, Hearing on "Climate Change: the Cost of Inaction." June 2008.

The Decadal Survey for Earth Observations, NAS Space Studies Board Public Forum, Washington, DC, June 2008.

Climate Change Impacts and Implications, World Affairs Council of DC, Washington, DC, June 2008.

The Joint Global Change Research Institute, Fundamental Sciences Directorate Review Committee Meeting, PNNL, Richland, WA, June 2008.

Lincoln Institute Leadership Dialogue on Conservation and Climate Change: Using Remote Sensing to Guide Our Efforts, Lincoln Institute Workshop on Conservation and Climate Change, Washington, DC, May 2008.

The Effects of Climate Change on Agriculture, Land Resources, Water Resources, and Biodiversity, US House of Representatives Staff, May 2008.

The Effects of Climate Change on Agriculture, Land Resources, Water Resources, and Biodiversity, US Senate Staff, May 2008.

Climate Impacts, EPRI Workshop on Climate Change and Energy, Washington, DC, May 2008.

Climate Change Science, Goldman Sachs Symposium on Renewable Energy, New York, NY, May 2008.

Future Directions for Adaptation Research, NASA Principle Investigators Meeting, College Park, MD, April 2008.

Climate Change Science and Security, Aspen Institute Workshop on Security Implications of Climate Change, New York, NY, April 2008.

What is Needed? And the Challenge of Finding Out What Information is Needed About the Future from Climate Modeling, DOE Office of Science Grand Challenges Workshop, Arlington, VA, March 2008.

Climate Change Impacts, Washington, DC Rotary Club, Washington, DC, February 2008.

Climate Change Effects on Forests: An Introduction to Issues, EESI Briefing on Climate Change Impacts on Forests, Washington, DC, February 2008.

The Role of Technology in a Low Carbon Society: Selected Key Findings from the Global Energy Technology Strategy Program, AAAS Annual Meeting, Boston, MA, February 2008.

Research Challenges for Abrupt Changes in Ecosystems, AAAS Annual Meeting, Boston, MA, February 2008.

Climate Impacts: An Issue for Maryland in the 21st Century, University of Maryland Law School, Baltimore, MD, January 2008.

The Importance of Ecosystem Thresholds in Assessing Safe Concentrations of Greenhouse Gases, American Geophysical Union Symposium, San Francisco, CA, December 2007.

Including Land Use and Land Cover Change in Earth System Models, American Geophysical Union Symposium, San Francisco, CA, December 2007.

Integrated Perspectives on Global Change – From Impacts to Energy Technologies, USGS Director's Science Seminar Series, Reston, VA, December 2007.

Research Challenges for Abrupt Changes in Ecosystems, NRC Climate Research Committee, Washington, DC, November 2007.

Climate Change: An Issue for Maryland in the 21st Century, Inside Maryland Conference, University of Maryland, College Park, MD, October 2007.

A New National Assessment? NAS Climate Change Science Committee Workshop on the CCSP, Washington, DC, October 2007.

The Joint Global Change Research Institute, Geography Dept. Seminar, University of Maryland, College Park, MD, October 2007.

The Decadal Survey for Earth Observations, National Academy of Sciences Space Studies Board Review, Washington, DC, September 2007.

Climate Change and Life Cycle Analysis: Following the Paper Trail, Corporate Climate Response Conference, Chicago, IL, September 2007.

Climate Change: Science and Impacts Overview, Turner Foundation Board of Directors Meeting, Charleston, SC, September 2007.

Ecosystem Thresholds and Climate Tipping Points: Implications for Policymakers, Environmental and Energy Study Institute, Washington, DC, September 2007.

Assessing the Future of Energy and Climate, Woodrow Wilson Center Energy Forum, Washington, DC, September 2007.

US CCSP and IPCC Ecosystems and Valuation of Services, Stanford Energy Modeling Forum, Snowmass, CO, July 2007.

Climate Change: Underlying Science and Its Implications, American Nuclear Society Annual Meeting, Boston, MA, June 2007.

Climate Change, Remote Sensing, and Monitoring from Space, EastFire Conference, George Mason University, Fairfax, VA, June 2007.

The Joint Global Change Research Institute, Fundamental Sciences Division Review Committee Meeting, PNNL, Richland, WA, June 2007.

Climate Services and Adaptation, NOAA Climate Board Retreat, Chicago, IL, May 2007.

The Decadal Survey for Earth Observations and Research, National Research Council Board on Atmospheric Sciences and Climate Meeting, Washington, DC, May 2007.

Climate Adaptation Strategies, National Summit on Adaptation to Climate Change, University of Michigan, Ann Arbor, MI, May 2007.

Ecological Thresholds and Tipping Points. Oak Ridge National Laboratory, Oak Ridge, TN, May 2007.

Policy Dimensions of Ocean Acidification. Workshop on Ocean Acidification and Multiple Stresses, University of Washington, Seattle, WA, April 2007.

Perspectives on Climate Change and Sustainability. Energy and Environment Study Institute, Pew Charitable Trusts, Washington, DC, April 2007.

Perspectives on Climate Change and Sustainability. Energy and Environment Study Institute, US Senate, Washington, DC, April 2007.

Ecological Thresholds and Tipping Points. University of Maryland, Horn Point Environmental Laboratory, Cambridge, MD, March 2007.

Implications of Decision Making for Model Predictions: What Will Models (and Modelers) Need to Do? AAAS Annual Meeting, San Francisco CA, February 2007 (delivered by session organizer).

Climate Change Impacts on Ecosystems: CCSP Synthesis and Assessment Product 4.3. USDA Greenhouse Gas Mitigation and Agriculture Conference, Baltimore MD, February 2007.

Ecological Thresholds and Tipping Points. NOAA Climate Board, NOAA, Silver Spring MD, February 2007.

The Joint Global Change Research Institute. US Geological Survey Director's Seminar, USGS, Reston VA, February 2007.

Following the Paper Trail. PRIMEX 2007, Marco Island FL, February 2007.

Scenarios of the Future: Ecosystem Services and the Climate System. Mars Inc. Nutrition Research Council Symposium, Panama City, Panama, January 2007.

Earth Observations for Societal Benefits: Research Directions. Earth Science Information Partnership Annual Meeting, Portland OR, January 2007.

Ecological Thresholds and Tipping Points: Getting the Science Right. University of Maryland Horn Point Laboratory, Horn Point MD, December 2006.

Maryland 2050. University of Maryland 2050 Research Conference, College Park MD, December 2006.

Maryland 2050. University of Maryland Chancellor's Chautauqua Discussions. Baltimore MD, December 2006.

Climate Change Global and Regional Issues. The Ethics Resource Site, Delaware State University, Dover DE, November 2006.

Developing an Integrated Framework for Thresholds. Eco-Thresholds Science Workshop, Airlie House, Warrenton VA, November 2006.

Where Will Ecosystems Go? Climate Institute Symposium, Washington DC, September 2006.

Climate Change and Security Impacts. Military Advisory Board, US Energy Commission Climate Change and National Security Project, Arlington VA, September 2006.

Climate Change, Ecosystems, Health, and the MDG's. Stanford Energy Modeling Forum, Snowmass, CO, July 2006.

Benefits of Climate Policies: Issues for Ecosystems. OECD Workshop, Paris, France, July 2006.

Ecosystem Services: An Overview. USFS Research Seminar, Washington, DC, June 2006.

Climate Change and Paper: Following the Paper Trail. Metafore Forest Leadership Conference, Portland, OR, May 2006.

Lessons from the US National Assessment. National Research Council Committee on Analysis of Global Change Assessments, Washington, DC, April 2006.

Sustaining Ecosystem Services in an Era of Global Changes. University of Massachusetts Institute of the Environment, Amherst, MA, March 2006.

Agriculture and Ecosystem Services: Thoughts on Indicators. AAAS Annual Meeting. St. Louis, MO, February 2006.

Monitoring and Data Needs for Global Assessments of Ecosystems and their Services. AAAS Annual Meeting. St. Louis, MO, February 2006.

A Future for Global Change Research and Integrated Assessment. PNNL/UMD Joint Global Change Research Institute. College Park, MD, February 2006.

Visions for the Future of Environmental Research. Natural Resource Ecology Laboratory, Colorado State University, Ft. Collins, CO, January 2006.

Sustainability Issues for EPA. Forum on Sustainability for the Environmental Protection Agency, Washington, DC, December 2005.

Priorities for Decision-Making. Climate Change Science Program Workshop on Climate and Decision Making, Arlington, VA, November 2005.

Observational Priorities for Biodiversity and Land-Cover. IGOL Special Meeting on Biodiversity, Heinz Center, Washington, DC, November 2005.

Ecosystem Services from Agriculture: Lessons from the Millennium Assessment and the Heinz Center's State of the Nation's Ecosystems. Michigan State Symposium on Agriculture and Ecosystem Services, Kalamazoo, MI, October 2005.

Ecosystem Services and Sustainability. Elon University Plenary Speaker, Elon Environment Day, Elon, NC, October 2005.

Ecosystem Services and Sustainability. World Cocoa Foundation Annual Meeting, Washington, DC, October 2005.

Are Climate Change Impact Assessments Good Science? Oak Ridge Institute of Advanced Studies Workshop on Regional Climate Change Impacts. Oak Ridge, TN, October 2005.

Ecosystem Services and Sustainability. Mars Corporation Science Retreat, McLean, VA, June 2005.

Ecosystem Services and Sustainability. Rio Tinto Environmental Health and Safety Management Team Meeting, Quebec, Canada, June 2005.

Forests and Carbon Management in a Changing World. University of Montana Symposium on Forests and Carbon, Missoula, MT, April 2005.

Lessons Learned from the Acid Deposition Research Experience, Goodwin-Niering Center Symposium on Acid in the Environment, Connecticut College, New London, CT, April 2005.

Global Earth Observations: Why This Matters – Users Perspectives. American Society of Photogrammetry and Remote Sensing Annual Meeting, Baltimore, MD, March 2005.

Land-Cover and Land-Use Change and Scientific Assessments. SUNY Stony Brook Department of Ecology and Evolution, Stony Brook, NY, January 2005.

Land-Cover and Land-Use Change and Scientific Assessments, National Center for Atmospheric Research, Boulder, CO, October 2004.

Challenges in Collaboration: A Multi-Sector Approach to Environmental Issues. Georgetown University Program in Science, Technology, and International Affairs, Georgetown University, Washington, DC, September 2004.

Global Earth Observations: Why This Matters, Forum on Earth Observations, Ronald Reagan Center, Washington, DC, September 2004.

Drivers of Change. US Geological Survey and US Fish and Wildlife Service Symposium on Emerging Environmental Issues. National Conservation Training Center, Shepherdstown, WV, August 2004.

Global Issues, State Department Symposium on Global Environmental Issues and Foreign Policy. US State Department, Washington, DC, June 2004.

IWGEO: Benefits and Observations. Experts Meeting to Discuss the IWGEO, at USGS, Reston, VA, June 2004.

Bringing It All Together: Environmental Considerations. Gravure Association Annual Meeting, Duluth, MN, June 2004.

Evaluating and Communicating the Known and the Speculative: the Case of the National Assessment, Aspen Global Change Institute Meeting on The Known, Unknown and Unknowable, Aspen, CO, March 2004.

Report to IWGEO, Interagency Meeting on Global Earth Observations, Washington, DC, February 2004.

US Ten-Year Plan for Earth Observations: A Prioritization Case Study, Interagency Workgroup on Global Earth Observations Review Meeting, Chantilly, VA, January 2004.

Looking Ahead: Targets, Thresholds, and Communication, NOAA Office of Global Programs Adaptation Meeting, Washington, DC, November 2003.

Targets, Thresholds, and Communication, Stanford Energy Modeling Forum, Snowmass, CO, July 2003.

Perspectives on Climate Change, Electric Power Research Institute (EPRI) Environment Council, Monterey, CA, March 2003.

Forest Conservation and Management in an Information Age, Scientific Committee on Problems in the Environment (SCOPE) Executive Committee Meeting, Washington, DC, December 2002.

Funding for Ecological Research, Association of Ecosystem Research Centers Annual Meeting, Washington, DC, November 2002.

International Ecological Assessments, University of North Dakota Distinguished Speaker Series, Grand Forks, ND, November 2002.

The US National Assessment of Climate Change Impacts on the United States: The Potential Consequences of Climate Variability and Change and the Use of General Circulation Models, Testimony before the US House of Representatives, Subcommittee on Oversight and Investigations, Committee on Energy and Commerce, Washington, DC, July 2002.

Lessons from the National Assessment, National Academy of Sciences Natural Disasters Roundtable, Washington, DC, June 2002.

Millennium Ecosystem Assessment, CIESIN Socioeconomic Data Active Archive Center User Working Group Meeting, Arlington, VA, June 2002.

Science and Global Policy, Aldo Leopold Lecture Series, University of Wisconsin, Madison, WI, April 2002.

Ecosystem Consequences of Climate Change, Goddard Forum: Global Warming: Causes, Effects and Mitigation Strategies for States and Localities, Pennsylvania State University, State College, PA, April 2002.

Science and Global Policy, Columbia Earth Institute, Columbia University, New York, NY, February 2002

Potential Consequences of Climate Change and Issues for Transportation, Transportation Research Board, Washington, DC, January 2002

Forest Monitoring and Assessment: Challenges for Sustainability, National Council for Science and the Environment Workshop on Sustainable Communities, Washington, DC, December 2001

Climate Change and Potential Consequences, Clear the Air Conference, Natural Resource Defense Council, Washington, DC, December 2001

Climate Change Impacts on the United States: The Potential Consequences of Climate Variability and Change, Annual Meeting of the Society of Environmental Journalists, Portland, OR, October 2001

The Future of Remote Sensing Technologies in Detecting Environmental Change, Detecting Environmental Change Conference, London, UK, July 2001

Climate Change Impacts on the United States, Lamont-Doherty Geophysical Observatory, New York, NY, June 2001.

Millennium Ecosystem Assessment, American Geophysical Union Spring Meeting, Boston, MA, May 2001.

Merging Science and Policy, Arctic Research Consortium, Arlington, VA, May 2001.

Landsat Data Continuity Mission: Some User Perspectives, US Geological Survey and NASA Symposium on the Future of Landsat, Reston, VA, January 2001.

Remote Sensing and Carbon: Implications for Kyoto, State Dept. Roundtable on Remote Sensing and Environmental Diplomacy, Arlington, VA, December 2000.

Future Directions for Land-Cover and Land-Use Change Research, Boston University Geography Dept., Boston, MA, December 2000.

Remote Sensing and Environmental Treaties: Cautionary Notes, CIESIN Workshop on Remote Sensing and Environmental Treaties, Washington, DC, December 2000.

Climate Change Impacts on the United States: The Potential Consequences of Climate Variability and Change, MEDEA Plenary, McLean, VA, November 2000.

Climate Change Impacts on the United States: The Potential Consequences of Climate Variability and Change, American Nuclear Society, Washington, DC, November 2000.

International Environmental Issues, National Security Agency, Columbia, MD, November 2000.

Climate Change Impacts on the United States: The Potential Consequences of Climate Variability and Change, Fairfax Rotary Club, Fairfax, VA, October 2000.

Climate Change Impacts on the United States: The Potential Consequences of Climate Variability and Change, Jewish Community Center of Greater Washington, Rockville, MD, October 2000.

Climate Change Impacts on the United States: The Potential Consequences of Climate Variability and Change, Japan-US Conference on Nuclear Power, Washington, DC, October 2000.

Climate Change Impacts on the United States: The Potential Consequences of Climate Variability and Change, Keystone Dialogue on Climate Change, Warrenton, VA, October 2000.

Climate Change Impacts on the United States: The Potential Consequences of Climate Variability and Change, Davidson College Corporate Council, Charlotte, SC, September 2000.

Climate Change Impacts on the United States: The Potential Consequences of Climate Variability and Change, Davidson College, Charlotte, SC, September 2000.

Climate Change Impacts on the United States: The Potential Consequences of Climate Variability and Change, Conference on Climate Change and Protected Areas, The Nature Conservancy, Arlington, VA, September 2000.

The US National Assessment of the Potential Consequences of Climate Change: Forests and Ecosystems in Perspective, Ecological Society of America Annual Meeting, Snowbird, UT, August 2000

Ten Years of the Sustainable Biosphere Initiative: Influence on the US and Beyond, Ecological Society of America Annual Meeting, Snowbird, UT, August 2000

Climate Change and the Carbon Cycle: Interventions, Eno Transportation Foundation Seminar, Washington, DC, July 2000

Climate Change Impacts on the United States: The Potential Consequences of Climate Variability and Change, Pew Center for Global Climate Change, Washington, DC, July 2000

Climate Change Impacts on New England, International Festival of Arts and Ideas, New Haven, CT, June 2000

Climate Change Impacts on the United States: The Potential Consequences of Climate Variability and Change, Testimony before the US Senate Committee on Commerce, Science, and Transportation, Washington, DC, June 2000

Climate Change Impacts on the United States: The Potential Consequences of Climate Variability and Change, US House of Representatives, Washington, DC, June 2000

Satellite Monitoring of Deforestation, Earth Observations Symposium, George Washington University, Washington, DC, June 2000

Applications of Remote Sensing to International Environmental Issues: An NGO Perspective, Bio-Eco Forum, American Society of Photogrammetry and Remote Sensing Annual Meeting, Washington, DC, May 2000

The US National Assessment of Climate Change Impacts, Harvard Workshop on Vulnerability Assessments, Airlie House, Warrenton, VA, May 2000

Biodiversity and Climate Change, University of California, San Diego, La Jolla, CA, April 2000.

The Millennium Ecosystem Assessment, Scripps Institute of Oceanography, La Jolla, CA, April 2000.

Synergies Among the Global Conventions, OECD DAC Working Group Workshop on Synergies and Mainstreaming, The Hague, Netherlands, April 2000.

Land-Cover and Land-Use Change and the Kyoto Protocol, NASA Land-Cover and Land-Use Change Principal Investigators' Workshop. Reston, VA, April 2000.

Global to Local Linkages, World Bank Environment Strategy Retreat, Annapolis, MD, March 2000

Global Ecosystem Assessments and Land-Cover Change, University of Maryland, College Park, MD, March 2000.

Ancillary Benefits of Climate Change Policies: Land-Cover and Land-Use Change Issues, IPCC Workshop on Ancillary Benefits of Climate Change Policies, Resources for the Future, Washington, DC, March 2000.

The National Assessment of the Potential Consequences of Climate Variability and Change, American Association for the Advancement of Science Annual Meeting, Washington, DC, February 2000.

Globalization of a Different Sort: Potential Impacts of Climate Change, SCOPE Workshop on Globalization and Rural Communities, Harvard University, Cambridge, MA, January 2000.

The National Assessment of the Potential Consequences of Climate Variability and Change. Northern Great Plains Assessment Conference, University of North Dakota, Grand Rapids, ND, November 1999.

The National Assessment of the Potential Consequences of Climate Variability and Change, Renewable Natural Resources Foundation National Meeting, Washington, DC., October 1999.

Oceans and Climate Change, Sea-Space Symposium, National Academy of Sciences, Washington, DC., October, 1999.

Remote Sensing and Information Policy, Forest Monitoring in Southeast Asia Workshop, Hanoi, Vietnam, October 1999.

Global Ecosystem Assessments, World Congress of Science, Budapest, Hungary, July 1999.

Land-Cover and Land-Use Change: Policy Relevant Science, Office of Science and Technology Policy, Washington, DC, July 1999.

Understanding Changes in Terrestrial and Marine Ecosystems: Links with the Carbon Cycle, United Nations Conference on the Peaceful Uses of Space, Vienna, Austria, July 1999.

Global Change and Ecosystem Impacts, Science Day Conference, Washington, DC., June 1999.

Policy Issues for Land-Cover and Land-Use Change, NASA LCLUC Principal Investigators' Meeting, Airlie House, Warrenton, VA, May 1999.

A Retrospective of the NASA Program on Land-Cover and Land-Use Change, NASA LCLUC Principal Investigators' Meeting, Airlie House, Warrenton, VA, May 1999.

The US National Assessment of the Potential Consequences of Climate Variability and Change, Union of Concerned Scientists Board Meeting, Washington, DC, May 1999.

Land-Cover and Land-Use Change, Northern Arizona University, Flagstaff, AZ, April 1999.

Environmental Applications for Remote Sensing in the Next Decade, Carnegie Endowment, Washington, DC, February 1999.

Remote Sensing in the Next Ten Years, USGS Program Managers Meeting, Sterling, VA, November 1998.

Land-Cover and Land-Use Change, Environmental Sciences Program, Brown University, Providence, RI, October 1998.

The National Assessment of the Potential Consequences of Climate Variability and Change, PCAST Environmental Subcommittee, Washington, DC, September 1998.

The National Assessment of the Potential Consequences of Climate Variability and Change, Climate Research Committee Meeting, Washington, DC, September 1998..

The National Assessment of the Potential Consequences of Climate Variability and Change, Water Sector Planning Meeting, West Palm Beach, FL, September 1998.

Land-Cover Change and Terrestrial Ecology Themes, NASA Earth Science Enterprise RFI Workshop, Easton, MD, August 1998.

The National Assessment of the Potential Consequences of Climate Variability and Change, Southern Florida Regional Workshop on Impacts of Extreme Events, Miami, Florida, July 1998.

The National Assessment of the Potential Consequences of Climate Variability and Change, Eastern Midwest Regional Climate Workshop, Indianapolis, Indiana, June 1998.

The National Assessment of the Potential Consequences of Climate Variability and Change, Central and Southern Appalachians Workshop on Regional Implications of Climate Change, Morgantown, West Virginia, May 1998.

Incorporating Human Dimensions into Earth System Models, Panel Discussion at American Geophysical Union Meeting, Boston, MA, May 1998.

NASA Land-Cover and Land-Use Change Program and Interests in Central America, Presentation to Central American Environment Ministers, NASA HQ, Washington, DC, May 1998.

The US National Climate Assessment Process, Presentation to International Climate Convention Review Team, Office of Science and Technology Policy, Washington, DC, April 1998.

NASA Research on Land-Cover and Land-Use Change, Invited Seminar to State Department Office of Environmental Science, Washington, DC, April 1998.

NASA Research on Land-Cover and Land-Use Change, International Geosphere-Biosphere Programme Open Science Meeting for Global Change and Terrestrial Ecology and Land-Use and Land-Cover Change, Barcelona, Spain, March 1998.

The National Assessment of the Potential Consequences of Climate Variability and Change, President's Council of Advisors on Science and Technology, Washington, DC, March 1998.

NASA Research on Land-Cover and Land-Use Change: Current and Future Directions, Harvard University GIS Colloquium, Cambridge, MA, February 1998.

NASA Research on Biological Conservation, University of Wisconsin, Madison, WI, February 1998.

Mission to Planet Earth Research on Land-Cover and Land-Use Change, Appalachian Laboratory, University of Maryland Center for Environmental Studies, Frostburg, MD, November 1997.

Mission to Planet Earth Research on Land-Cover Change and Deforestation, Costa Rica Academy of Sciences Meeting of Experts on Deforestation, San Jose, Costa Rica, November 1997.

Mission to Planet Earth Land-Cover Change Research in Africa, AID Regional Assessment and Coordination Meeting, Washington, DC, October 1997.

Land-Cover and Land-Use Change Research in MTPE, North American Remote Sensing Industry Association, Washington, DC, August 1997.

Ecological Research in the US Global Change Research Program, NRC Ecosystems Panel Meeting, Washington, DC, August 1997.

Remote Sensing for Forest Management, US Forest Service Invited Seminar, Washington, DC, June 1997.

Land-Cover and Land-Use Change Research in Mission to Planet Earth, Biennial Review Meeting, Herndon, VA, June 1997.

Background and Justification for VEMAP, VEMAP Briefing for Federal Agencies, Washington, DC, May 1997.

Use of Remote Sensing for Biodiversity Indicators, UN Conference on Global Biodiversity Indicators, New York, NY, April 1997.

Global Biodiversity Assessment: Economics and Biodiversity, EPA Science Advisory Board Subcommittee on Ecosystem Valuation Methodologies, Baltimore, MD, April 1997.

NASA Research Interests in Biodiversity Conservation, NASA Technology and Biodiversity Conservation Workshop, Washington, DC, April 1997.

Global Biodiversity Assessment: Background, AAAS Symposium, Seattle, WA, February 1997.

Global Biodiversity Assessment: Economics and Biodiversity, AAAS Symposium, Seattle, WA, February 1997.

NASA Priorities in Land-Cover and Land-Use Change Research, Multi-Resolution Landscape Characterization Meeting, Reston, VA, February 1997.

NASA Priorities in Land-Cover and Land-Use Change Research, Terrestrial Ecology Program (TECO) Principal Investigators Meeting, Washington, DC, November 1996.

Non-Academic Careers in Environmental Science, George Mason University, Fairfax, VA, November 1996.

NASA Research and Biodiversity Conservation, Smithsonian National Museum of Natural History, Washington, DC, November 1996.

NASA Research and Biodiversity Conservation, World Wildlife Foundation, Washington, DC, November 1996.

NASA Research and Biodiversity Conservation, American Museum of Natural History, New York, NY, November 1996.

NASA Research and Biodiversity Conservation, National Audubon Society, New York, NY, November 1996.

NASA Research and Biodiversity Conservation, Wildlife Conservation Society, New York, NY, November 1996.

NASA Research and Biodiversity Conservation, The Nature Conservancy, Arlington, VA, October 1996.

Charge for Landsat Science, Landsat Science Team Meeting, Greenbelt, MD, October 1996.

NASA Research on Sustainability in South America, Environmental Security Workshop, George Washington University, Washington, DC, July 1996.

History of NASA Research in Amazonia, Large-Scale Biosphere-Atmosphere Experiment in Amazonia Workshop, Sao Jose dos Campos, Brazil, July 1996.

Funding History for Mission to Planet Earth, AAAS/EPA Science and Engineering Fellows Orientation, Washington, DC, June 1996.

Remote Sensing Satellites in the Near Future, VII International Remote Sensing Symposium, Salvador da Bahia, Brazil, April 1996.

Land-Use Change, Biodiversity, and Ecosystem Functioning, Appalachian Environmental Laboratory-University of Maryland Center for Environmental and Estuarine Research, Frostburg, MD, March 1996.

US Global Change Programs in Land-Cover Change, Terrestrial and Marine Ecosystems, NRC Committee on Global Change Research, Washington, DC, March 1996.

The Carbon Cycle and CO₂ Fertilization, American Association for the Advancement of Science Symposium on the Intergovernmental Panel on Climate Change, Baltimore, MD, February 1996.

Land-Use Change: A Research Challenge for the Future, Institute for the Study of Planet Earth, University of Arizona, Tucson, AZ, February 1996.

NASA Programs in Land-Cover and Land-Use Change, International Geosphere/Biosphere Programme/Human Dimensions Programme First Open Science Meeting for Land-Use and Cover Change Core Project, Amsterdam, The Netherlands, January 1996.

Land-Cover and Land-Use Change and Global Change, Annual Meeting of Association of Ecosystem Research Centers, Washington, DC, November 1995.

NASA Research in Land-Cover and Land-Use Change, Princeton Graduate Seminar, Princeton University, Princeton, NJ, May 1995.

Is the Distinction Between Basic and Applied Research Real?, Ecological Society of America/American Institute of Biological Sciences Symposium on Funding in Ecology, Knoxville, TN, August 1994.

NASA Research Interests in Sustainability in the Tropics, SANREM CRSP Principal Investigators Symposium, Arlington, VA, August 1994.

Biogeochemistry and Ecology Interests of NASA, InterAmerican Institute Planning Meeting, INPE, Sao Jose dos Campos, Brazil, April 1994.

Ecological White Paper Progress, National Academy of Sciences Board on Global Change, Woods Hole, MA, August 1993.

Forested Ecosystems and Global Change, Appalachian Society of American Forester's Meeting, Raleigh, NC, June 1993

Integrated Ecological Monitoring, North American Benthological Society Meeting, Calgary, Canada, May 1993

The US Global Change Research Program: Responsiveness to Policy Issues, Global Change Policy Symposium, Washington, DC, May 1993

The US Global Change Research Program and EOS: Directions and Policy Responsiveness, Office of Technology Assessment Workshop, Washington, DC, February 1993

NASA's Ecological Research Programs, Princeton University, Princeton, NJ, February 1993

Remote Sensing and Ecology, Office of Technology Assessment Workshop, University of Maryland, College Park, MD, September 1992

Food Production and Conservation: Is Compromise Possible? Aspen Global Change Institute, Aspen, CO, August 1992

NASA's Ecological Research Programs, Ecological Society of America Annual Meeting, Waikiki, HI, August 1992

US Satellite Data Policy (Presentation of paper with Dr. Lisa Shaffer), World Forest Watch Meeting, Sao Jose dos Campos, Brazil, May 1992

SBI and the Federal Agencies, American Institute of Biological Sciences Presidential Symposium, San Antonio, TX, August 1991

EPA's Global Change Research Agenda, University of New Mexico Symposium on Global Change, Albuquerque, NM, June 1990

EPA's Global Change Research Agenda, Forest Biology Workshop, University of Georgia, Athens, GA, June 1990

EPA's Global Change Research Agenda, International Nitrous Oxide Workshop, Lisbon, Portugal, May 1990

Ecological Systems and Dynamics, CEES Briefing for NGO's, Washington, DC, April 1990

EPA's Global Climate Program Plans, USFS Forest Atmosphere Interaction Workshop, Annapolis, MD, November 1989

EPA's Global Climate Research Program, National Park Service Training Workshop, Knoxville, TN, August 1989

EPA's Role in Global Change, Harvard University School of Public Health, Boston, MA, May 1989

EPA Global Change Research, Dept. of Civil Engineering, Syracuse University, Syracuse, NY, February 1989

EPA Global Climate Research Plan, CES Subcommittee on Atmospheric Research, Washington, DC, January 1989

EPA Global Climate Research Program, Forest Atmosphere Interactions Workshop, USFS, Philadelphia, PA, January 1989

Uncertainties in Regional Ecological Assessments of Climate Change, Second Annual Climate Institute Conference on Preparing for Climatic Change, Washington, DC, December 1988

EPA Research in Global Climate Change, American Institute of Chemical Engineers, Washington, DC, November 1988

Relationships Between Atmospheric Variables and Vegetation Distribution. University of New Hampshire, Durham, NH, October 1988

Interactions with USGS, EPA/USGS Coordination Committee, Washington, DC, September 1988

Global Climate Research Plans for EPA. University of New Hampshire, Durham, NH, February 1988

Global Climate Research in EPA. Climate Institute Conference on Climate Effects on Wildlife, Washington, DC, January 1988

EPA's Research Perspectives for Ecological Effects of Global Climate Change, Ecological Effects Workshop, Boulder, CO, April 1987

Atmospheric Exposure Workshop, December 1986

University of California, Irvine, Department of Ecology and Evolutionary Biology, October 1986

Synthesis and Integration Team Peer Review, September 1986

National Vegetation Survey Peer Review, July 1986

Forest Response Program National Research Plan Peer Review, July 1986

Forest-Atmosphere Interactions Workshop, September 1985

University of Virginia Symposium, May 1985

Harvard School of Public Health Interdisciplinary Programs in Health, April 1985

Boston University Geography Department, April 1985

World Resources Institute, April 1985

Forest Decline Conference, December 1984

American Fisheries Society, May 1984

Woods Hole Marine Biological Laboratories, January 1984

Harvard School of Public Health Interdisciplinary Programs in Health, December 1983

Holy Cross College Biology Department, November 1983

Reed College Biology Department, April 1983

Population Biologists of New England, April 1983

Princeton University, Population Biology Colloquium, March 1983

University of California, Irvine, Department of Ecology and Evolutionary Biology, February 1983

Harvard School of Public Health Interdisciplinary Programs in Health, February 1983

Harvard School of Public Health Interdisciplinary Programs in Health, September 1982

University of Pittsburgh Biology Department, April 1982

University of Florida Zoology Department, April 1982

University of Santa Clara Biology Department, March 1982

University of Minnesota Department of Ecology and Behavioral Biology, January 1982

American Arachnological Society Optimal Foraging Symposium, August 1981

American Arachnological Society Webs and Behavior Symposium, August 1981

Amherst College Biology Department, February 1981

Vassar College Biology Department, February 1981

Harvard University Natural History Seminar, February 1981

Clemson University Biology Department, February 1980

Population Biologists of New England, November 1979

American Arachnological Society, June 1979

American Arachnological Society, June 1978

Symposia and Workshops Organized

Sea Level Rise and the Future of Coastal Cities. Pardee Center for the Study of the Longer-Range Future and the BU Initiative on Cities. Boston University. Boston, MA. November 2014.

Multiple Breadbasket Failures – Research Directions. Pardee Center for the Study of the Longer-Range Future. Boston, MA. November 2014.

The Future is Now – Urban Asia in the 21st Century. Pardee Center for the Study of the Longer-Range Future. Boston University. Boston, MA. October 2015.

Modeling and Scaling Issues for the National Climate Assessment. Co-chair, along with William Collins and Don Wuebbles. Arlington, VA. December 2010.

Relating the Millennium Development Goals and Climate Change Goals, JGCRI and Population Action International Workshop, College Park, MD, November 2009.

Biofuels: Consequences for Carbon, Landscapes, and Sustainability, AAAS Annual Meeting Symposium, Chicago, IL, February 2009.

Science Challenges and Future Directions for Integrated Assessment Research, DOE Integrated Assessment Research Program, Arlington, VA, November 2008.

Ecosystem Thresholds and Climate Tipping Points: Implications for Policymakers, Environmental and Energy Study Institute, Washington, DC, September 2007.

Staying Abreast of Rapidly Changing Science in Integrated Assessment Models, Joint Global Change Research Institute, College Park, MD, September 2007.

Incorporating Adaptation Strategies into Integrated Assessment Models, Joint Global Change Research Institute, College Park, MD, August 2007.

Incorporating Impacts into Integrated Assessment Models, Joint Global Change Research Institute, College Park, MD, July 2007.

Climate Change and National Security, Joint Global Change Research Institute, College Park, MD, July 2007.

Eco-Thresholds Science Workshop: Getting the Science Right. Airlie House, Warrenton, VA, November 2006.

FAO Remote Sensing Technical Planning Meeting, Heinz Center, October 2006.

IPCC Working Group II Chapter Author's Meeting, Heinz Center, March 2006.

IGOL Biodiversity Special Meeting, Co-chair with John Townshend, Heinz Center, November 2005.

National Council on Science and the Environment Session on Integrating Earth Observations, NCSE Annual Meeting, Washington, DC, February 2005.

Experts Meeting on Environmental Indicators for Journey to Planet Earth, Organizer: A.C. Janetos, Heinz Center, September, 2004.

Experts Meeting to Discuss the IWGEO, Organizer: A.C. Janetos, at USGS, Reston, VA, June 2004.

Forest Conservation and Management in the Information Age, sponsored by SCOPE and NASA, Organizer: A.C. Janetos, Swope Center, Woods Hole, MA, December 2002.

Rapid Synthesis of Land-Cover and Land-Use Change, Sponsored by Millennium Ecosystem Assessment, GOF/GOLD, IGBP/IHDP LUCC, and NASA. Organizers: A.C. Janetos, R. DeFries, E. Lambin, Westin Embassy Row Hotel, Washington, DC, November 2002.

Third Meeting of Landsat Global Data Working Group, Organizer, A.C. Janetos, Heinz Center, Washington, DC, July 2002.

Forest Carbon Flows Project, Organizer, A.C. Janetos, Heinz Center, Washington, DC, May 2002.

Second Meeting of Landsat Global Data Working Group, Organizer, A.C. Janetos, WRI, Washington, DC, January 2002.

First Meeting of Landsat Global Data Working Group, Organizer: A.C. Janetos, WRI, Washington, DC, October 2001.

Integrated Global Data Sets, Organizers: R. Olson, M. Maiden, C. McClain, A.C. Janetos, and W. Reid, American Geophysical Union Spring Meeting, Boston, MA, May 2001.

Land-Cover and Land-Use Change Second Science Team Meeting, Organizers: A.C. Janetos and C.O. Justice, Airlie House, VA, April 1998.

Global Observations of Forest Cover: Implementation of Design Teams; Organizers, F. Ahern and A.C. Janetos, Washington, DC, January 1998.

Land-Cover and Land-Use Change, EOS Investigators Working Group Meeting, Atlanta, GA, November 1997.

Global Observations of Forest Cover, Organizers: A.C. Janetos and F. Ahern, Canada Center for Remote Sensing, Ottawa, Canada, July 1997.

Land-Cover and Land-Use Change Science Team Meeting, Organizers: A.C. Janetos and C.O. Justice, Airlie House, VA, April 1997.

NASA Technology and Biodiversity Conservation Workshop, Organizers: A.C. Janetos and W. Turner, Washington, DC, April 1997

The Global Biodiversity Assessment: the Importance of Biodiversity and Ecosystem Functioning, AAAS Symposium, AAAS Annual Meeting, Seattle, WA, Feb. 1997

Carbon Cycle Results Workshop, Woods Hole, MA, 1993

Ecological Science and Interface with Policy Making, Organizers: Carolyn Hunsaker and A.C. Janetos, AIBS/ESA Annual Meetings, Waikiki, HI, 1992

Interagency Biomass Burning Workshop, Washington, DC, 1991

Interagency Deforestation Workshop, Washington, DC, 1991

Ecological Consequences of Global Change, Organizers: Janetos, A.C. and J. Schnoor, SETAC Annual Meeting, Toronto, Canada, November 1989

Ecological Consequences of Global Change, Organizers: Janetos, A.C. and R.P. Neilson, American Institute of Biological Sciences Annual Meeting, Toronto, Canada, August 1989

EPA's Research Program Workshop. Raleigh, N.C. September, 1987