

2013-11-18

THE NATIONAL ACADEMIES
Board on Environmental Change and Society

Planning meeting on

Values of Ecosystem Services and Climate Impacts in Decision-making

Friday, 6 December 2013

8:30 – 12:30 p.m.

Room 120

National Academy of Sciences

2101 Constitution Ave

Washington DC 20418

- 8:30 **Welcome and Introductions** *Breakfast available throughout the meeting*
- 9:00 **Meeting formally begins** *Chair: Richard Moss (TBC)*
Goals for the meeting
- *Discuss challenges the agencies face in incorporating non-market values into decision-making*
 - *Identify available knowledge, and knowledge gaps*
 - *Understand agency needs*
 - *Discuss potential roles of the NRC*
- 9:15 **Expert presentations**
- Stephen Polasky, University of Minnesota*
Values of ecosystem services in a changing environment
- Catherine Kling, Iowa State University*
Concepts of value, tradeoffs, risks and consequences
- Gary Yohe, Wesleyan University*
Benefits of valuation methods for sustained or repeated assessments
- 10:15 Discussion of the presentations
- 10:45 Roundtable of agency needs and issues (5-8 min per)
- 11:30 Discussion
- *Synergies and intersections of agencies' needs*
 - *Potential NRC activity*
 - *Expertise needed, interested audiences, potential sponsors*
- 12:15 Next steps
- 12:30 Adjourn

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About the expert speakers:

Stephen Polasky is the Fesler-Lamper Professor of Ecological/Environmental Economics at the University of Minnesota. He previously held faculty positions in the Department of Agricultural and Resource Economics at Oregon State University and the Department of Economics at Boston College. Dr. Polasky was the senior staff economist for environment and resources for the President's Council of Economic Advisers 1998-1999. He was elected to the National Academy of Sciences in 2010. He was elected as a fellow of the American Academy of Arts and Sciences in 2009 and a fellow of the American Association for the Advancement of Science in 2007. His research interests include ecosystem services, natural capital, biodiversity conservation, endangered species policy, integrating ecological and economic analysis, renewable energy, environmental regulation, and common property resources. His papers have been published in *Biological Conservation*, *Ecological Applications*, *Journal of Economic Perspectives*, *Journal of Environmental Economics and Management*, *International Economic Review*, *Land Economics*, *Nature*, *Proceedings of the National Academy of Sciences*, *Science* and other journals. He has served as co-editor and associate editor for the *Journal of Environmental Economics and Management*, as associate editor for *International Journal of Business and Economics*, and is currently serving as an associate editor for *Conservation Letters*, *Ecology and Society* and *Ecology Letters*. He received his Ph.D. in economics from the University of Michigan.

Catherine Kling is Charles F. Curtiss Distinguished Professor of Economics and Director of the Center for Agricultural and Rural Development (CARD) at Iowa State University. She is a Fellow of the Agricultural and Applied Economics Association and past President of the Association of Environmental and Resource Economists. Kling leads an interdisciplinary research group focusing on water quality and agricultural practices, has published over 60 journal articles and refereed book chapters, has received seven awards from professional associations for her research, has been PI (or co-PI) on over \$7 million of grants (including NSF, EPA, USDA, and state agencies) and holds (or has held) editorial positions at seven economics journals. Kling's engagement in the policy process includes over ten years of service as a member EPA's Science Advisory Board and member of five NRC panels. Fifteen of her former Ph.D. and post-doctoral students now hold academic positions. Her BBA is from the University of Iowa, and her PhD in Economics is from the University of Maryland, College Park.

Gary W. Yohe is the Huffington Professor of Economics and Environmental Studies at Wesleyan University; he has been on the faculty at Wesleyan for more than 30 years. He is the author of more than 100 scholarly articles, several books, and many contributions to media coverage of climate issues. Most of his work has focused attention on the mitigation and adaptation/impacts sides of the climate issue. He is a senior member of the IPCC that was awarded a share of the 2007 Nobel Peace Prize. He served as a lead author for four different chapters in the Third Assessment Report (2001), as convening lead author for the last chapter of the Working Group II contribution and helped prepare the overall Synthesis Report for the Fourth Assessment; and continues to work for the IPCC as it prepares the Fifth Assessment Report that will be published in 2014. Dr. Yohe is a member of the New York City Panel on Climate Change, and has served on the Board on Environmental Change and Society, as well as the Adaptation Panel of *America's Climate Choices* and the NRC Committee on Stabilization Targets for Atmospheric Greenhouse Gas Concentrations. He holds a Ph.D. in economics from Yale University.