

**Proposed Agenda**  
**EPA Science Advisory Board**  
**Committee on Valuing the Protection of Ecological Systems and Services**  
**Advisory Meeting**  
**Sept. 13, 14, 15, 2004**

**US EPA Region 9 Headquarters Office, 75 Hawthorne Street, San Francisco, CA 94105**

**Purpose:** The purpose of the meeting is for the Committee to focus on EPA regional science needs, work-products, and activities related to valuing the protection of ecological systems and services by holding panel discussions, briefings, and break-out groups. All of these activities are related to the Committee's overall charge, *to assess Agency needs and the state of the art and science of valuing protection of ecological systems and services, and then to identify key areas for improving knowledge, methodologies, practice, and research.*

**Monday, Sept. 13, 2004**

1:00-1:10 p.m.	Opening of Meeting and Welcome from the SAB Staff Office	Dr. Angela Nugent, Designated Federal Officer Dr. Anthony Maciorowski, Associate Director for Science
1:10-1:20	Chair's Orientation to the Purpose of the Meeting	Dr. Domenico Grasso, Chair
	Committee Member Introductions	Committee Members
1:20-1:45	Welcome from Region 9 and Questions from the Committee	Ms. Alexis Strauss Director, Water Division, EPA Region 9
1:45-3:15	Briefings and Committee Discussion Highlighting Region 9 Issues	
	Introduction of Region 9 Speakers	Ms. Karen Schwinn, Associate Director of the Water Division
	Johnson Atoll Closure and Restoration Project	Dr. Matthew Small; Waste Management Division, EPA Region 9
	Ecological Values and Implementation of the CAFO Water Rule: A Regional Perspective	Mr. John Ungvarsky, Water Division, EPA Region 9
	Bay Delta Water Quality Standards	Dr. Bruce Herbold, Biologist, EPA Region 9

	Total Maximum Daily Load (TMDL)	Mr. David Smith, TMDL Program Manager, EPA Region 9
	Baylands Ecosystem Goals Project	Mr. Michael Monroe, EPA Region 9
3:00-3:15	Break	
3:15-6:00	Field Trip: Arrowhead Marsh	

**Tuesday, Sept. 14, 2004**

8:00-8:05	Opening of Meeting	Dr. Angela Nugent
8:05-8:40	Survey Of Regional Needs For Science-Based Information On The Value Of Protecting Ecological Systems And Services And The State Of Practice In The Regions - Briefing and Initial Committee Questions	Ms. Patti Lynne Tyler Regional Science Liaison to ORD U.S. EPA Region 8
8:40-10:15	Briefings on Innovative Methods Addressing Regional Issues	
	Comparative Valuation of Ecosystem Services: Lents Project Case Study	Mr. James Middaugh, Endangered Species Act Program Director, Bureau of Environmental Services, City of Portland and Ms. Gillian Ockner, David Evans and Associates, Inc.
	Science to Inform Policy and Decision Making	Dr. Richard Bernkopf, US Geological Survey Western Geographic Science Center Research Projects
10:15-10:30	Break	
10:30-12:00	Committee Discussion of Survey Of Regional Needs For Science-Based Information On The Value Of Protecting Ecological Systems And Services And The State Of Practice In The Regions	Lead Discussants: Drs. Dennis Grossman, Stephan Polasky, and Ann Bostrom
12:00-1:15	Lunch	
1:15-1:25	Introduction to the Example Exercise Process	Dr. Domenico Grasso

1:25-1:45	Briefing on Example Exercise Session 1: Benefit Analyses for Critical Ecosystems in Region 4	Mr. Richard Durbrow, EPA Region 4
1:45-3:30	Example Exercise Break Out Groups, Session 1	Break out Group Leader: Dr. Paul Risser, Dr. Kathleen Segerson
3:30-3:45	Break	
3:45-4:45	Continuation of Session 1 Example Exercise Break Out Groups	
4:45-5:00	Break	
5:00-5:30	Reports from Session 1 Break-Out Groups	
5:30-6:00	Discussion of Next Day	Dr. Domenico Grasso
6:00	Adjourn	

**Wednesday, September 15, 2004**

8:00-8:05	Opening of Third Day of Advisory Meeting	Dr. Angela Nugent
8:05-8:30	Briefing on Example Exercise Session 2; Bolsa Chica Restoration Project	Dr. Ned Black, Regional CERCLA Ecologist/Microbiologist, Superfund Division, EPA Region 9
8:30-10:15	Example Exercise Break Out Groups, Session 2	Break out Group Leaders: Dr. Robert Huggett, Dr. Gregory Biddinger (to be confirmed)
10:15-1:30	Break	
10:30-11:00	Reports from Session 2 Break Out Groups	
11:00-11:30	Discussion of Next Steps	Dr. Domenico Grasso
11:30	Adjourn	

**U.S. Environmental Protection Agency  
Science Advisory Board  
Committee on Valuing the Protection of Ecological Systems and Services**

**CHAIR**

**Dr. Domenico Grasso**, Rosemary Bradford Hewlett Professor and Chair, Picker Engineering Program, Smith College, Northampton, MA

**MEMBERS**

**Dr. William Louis Ascher**, Dean of the Faculty, Bauer Center, Claremont McKenna College, Claremont, CA

**Dr. Gregory Biddinger**, Environmental Programs Coordinator, ExxonMobil Biomedical Sciences, Inc, Houston, TX

**Dr. Ann Bostrom**, Associate Professor, School of Public Policy, Georgia Institute of Technology, Atlanta, GA

**Dr. James Boyd**, Senior Fellow, Director, Energy & Natural Resources Division, Resources for the Future, Washington, DC

**Dr. Robert Costanza**, Professor/Director, Gund Institute for Ecological Economics, School of Natural Resources, University of Vermont, Burlington, VT

**Dr. Terry Daniel**, Professor of Psychology and Natural Resources, Department of Psychology, Environmental Perception Laboratory, University of Arizona, Tucson, AZ

**Dr. A. Myrick Freeman**, Research Professor of Economics, Department of Economics, Bowdoin College, Brunswick, ME

**Dr. Dennis Grossman**, Vice President for Science, Science Division, NatureServe, Arlington, VA

**Dr. Geoffrey Heal**, Paul Garrett Professor of Public Policy and Business Responsibility, Columbia Business School, Columbia University, New York, NY

**Dr. Robert Huggett**, Consultant and Professor Emeritus, College of William and Mary

**Dr. Douglas E. MacLean**, Professor, Department of Philosophy, University of North Carolina, Chapel Hill, NC

**Dr. Harold Mooney**, Paul S. Achilles Professor of Environmental Biology, Department of Biological Sciences, Stanford University, Stanford, CA

**Dr. Louis F. Pitelka**, Director and Professor, Appalachian Laboratory, University of Maryland Center for Environmental Science, Frostburg, MD

**Dr. Stephen Polasky**, Fesler-Lampert Professor of Ecological/Environmental Economics, Department of Applied Economics, University of Minnesota, St. Paul, MN

**Dr. Paul G. Risser**, Chancellor, Oklahoma State Regents for Higher Education, Oklahoma City, OK

**Dr. Holmes Rolston**, University Distinguished Professor, Department of Philosophy, Colorado State University, Fort Collins, CO

**Dr. Joan Roughgarden**, Professor, Biological Sciences and Evolutionary Biology, Stanford University, Stanford, CA

**Dr. Mark Sagoff**, Senior Research Scholar, Institute for Philosophy and Public Policy, School of Public Affairs, University of Maryland, College Park, MD

**Dr. Kathleen Segerson**, Professor, Department of Economics, University of Connecticut, Storrs, CT

**Dr. Paul Slovic**, Professor, Department of Psychology, Decision Research, Eugene, OR

**Dr. V. Kerry Smith**, University Distinguished Professor, Department of Agricultural and Resource Economics, College of Agriculture and Life Sciences, North Carolina State University, Raleigh, NC

**Dr. Robert Stavins**, Albert Pratt Professor of Business and Government, Environment and Natural Resources Program, John F. Kennedy School of Government, Harvard University, Cambridge, MA

**Dr. Barton H. (Buzz) Thompson, Jr.**, Robert E. Paradise Professor of Natural Resources Law and Vice Dean, Stanford Law School, Stanford University, Stanford, CA

#### **SCIENCE ADVISORY BOARD STAFF**

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