

THURSDAY, JULY 23

9:00 to 10:30 a.m.

Arlington

OFFSHORE ALTERNATIVE ENERGY DEVELOPMENT: STATE NEEDS AND PROACTIVE APPROACHES

Moderator: Carleigh Trappe, NOAA Office of Ocean and Coastal Resource Management

ALTERNATIVE ENERGY DEVELOPMENT IN THE COASTAL STATES

Kate Zultner, Coastal States Organization

MASSACHUSETTS OCEAN MANAGEMENT PLAN

John Weber, Massachusetts Office of Coastal Zone Management

WIND ENERGY IN LAKE ERIE: OHIO'S PLANNING AND REGULATORY FRAMEWORK

Ohio Department of Natural Resources, Office of Coastal Management

ALTERNATIVE ENERGY ON THE OUTER CONTINENTAL SHELF

Will Waskes, Minerals Management Service, Office of Offshore Alternative Energy Programs

9:00 to 10:30 a.m.

Berkeley/Clarendon

COASTAL ENVIRONMENTAL SENSING NETWORKS I: SENSOR DEVICES, NETWORKS, CYBER-INFRASTRUCTURE

Moderator: Robert D. Stevenson, University of Massachusetts, Boston

DEVELOPING CYBER-INFRASTRUCTURE FOR COASTAL APPLICATIONS: FORMING THE TEAMS AND ADAPTING THE STANDARDS

Philip Bogden and Tom Shyka, Gulf of Maine Ocean Observing System, Inc.

USING SIMULATION TO DESIGN MARINE ACOUSTIC MONITORING SYSTEMS

David C. Mountain and David Anderson, Boston University Department of Biomedical Engineering

DESIGN AND IMPLEMENTATION OF AN EMBEDDED SENSOR NETWORK FOR THE OBSERVATION AND RESEARCH OF HARMFUL ALGAL BLOOMS IN SOUTHERN CALIFORNIA COASTAL WATERS

Ryan N. Smith, Robotic Embedded Systems Laboratory, University of Southern California

INFORMATION AGENTS FOR ENVIRONMENT SENSOR NETWORKS

Alex Rogers, University of South Hampton

9:00 to 10:30 a.m.

Georgian

CLIMATE CHANGE ADAPTATION STRATEGIES

Moderator: Jennifer Pagach, Connecticut Department of Environmental Protection, Office of Long Island Sound Programs

COASTAL PROTECTION OF LOWLANDS: ARE ALTERNATIVE STRATEGIES PURPOSEFUL FOR CHANGING CLIMATE?

Hanz D. Niemeyer, Coastal Research Station of the Lower Saxon State Board for Ecology

DESIGNING COASTAL GOVERNANCE TO PROMOTE RESILIENCY TO CLIMATE CHANGE

Margaret Peloso, Ph.D. Candidate, Duke University, J.D., 2009, Stanford Law School; Meg Caldwell, Center for Ocean Solutions, Stanford Environmental and Natural Resources Law and Policy Program

DEVELOPING A REGIONAL STRATEGY FOR CLIMATE CHANGE AND SEA LEVEL RISE

Will Travis, San Francisco Bay Conservation and Development Commission

WHAT DO YOU DO WHEN YOUR COMMUNITIES COULD VANISH OVERNIGHT? THE STATE OF ALASKA'S RESPONSE TO SIX COMMUNITIES IN PERIL FROM CLIMATE CHANGE

Michael Black, Alaska Immediate Action Work Group (IAWG) and Department of Commerce, Community and Economic Development; Patricia Opheen, IAWG and U.S. Army Corps of Engineers Alaska District; John Madden, IAWG and Alaska Department of Homeland Security and Emergency Management; Steve Ivanof; Amy Holman, IAWG and NOAA Alaska Regional Collaboration Team; Meg King, IAWG and Resource Solutions, Office of Community Partnerships, University of Alaska Anchorage

9:00 to 10:30 a.m.

Stanbro

ESTABLISHING HUMAN AND ECOLOGICAL GOALS FOR ECOSYSTEM-BASED MANAGEMENT: APPLIED CASE STUDIES ALONG THE WEST COAST

Moderator: Linwood Pendleton, The Ocean Foundation

Panelists:

Dean E. Wendt, Ph.D., California Polytechnic State University
Bryan Largay, Elkhorn Slough National Estuarine Research Reserve
Susan Schlosser, University of California Sea Grant Extension
Pete Stauffer, Surfrider Foundation

9:00 to 10:30 a.m.

Terrace

**HOW TO ARRIVE AT A REGIONAL VISION OF OCEAN GOVERNANCE USING
MARINE SPATIAL PLANNING TECHNIQUES**

Moderator: Leslie-Ann McGee, Waquoit Bay National Estuarine Research Reserve

Panelists:

Leslie-Ann McGee, Waquoit Bay National Estuarine Research Reserve

Betsy Nicholson, NOAA Coastal Services Center

Michael Orbach, Duke University

Sally Yozell, The Nature Conservancy

THURSDAY, JULY 23

11:00 a.m. to 12:30 p.m.

Arlington

WORKING WATERFRONTS

Moderator: Dorina Frizzera, New Jersey Coastal Management Program

PRESERVING SEAFOOD-RELATED WORKING WATERFRONT THROUGH STRATEGIC DECISION-MAKING PROCESSES

Gilbert Sylvia, Coastal Oregon Marine Experiment Station, Oregon State University; Heather Mann, Seafood Consumer Center; Laurel Kellner, Marine Resource Management, Oregon State University; Jeff Feldner, Oregon State University Extension Service; Susan Hanna, Agricultural and Resource Economics, Oregon State University; Michael Dickerson, Adam Zimmerman, and Margret Kirby, Shorebank Enterprise Cascadia

MAINE'S WORKING WATERFRONT ACCESS PILOT PROGRAM

Hugh Cowperthwaite, Coastal Enterprises, Inc.

WATERFRONT LAND USE CHANGE AND MARINE RESOURCE CONDITIONS: THE CASE OF NEW BEDFORD/FAIRHAVEN HARBOR

Michelle E. Portman and Di Jin, Marine Policy Center, Woods Hole Oceanographic Institution; Eric Thunberg, NOAA National Marine Fisheries Service, Northeast Fisheries Science Center

THE FATE OF WORKING WATERFRONTS AFTER HURRICANE KATRINA: THE ALABAMA EXPERIENCE

Jody A. Thompson, Auburn University Marine Extension and Research Center/Alabama Sea Grant Extension

11:00 a.m. to 12:30 p.m.

Berkeley/Clarendon

COASTAL ENVIRONMENTAL SENSING NETWORKS II: SENSOR APPLICATIONS

Moderator: Robert F. Chen, University of Massachusetts, Boston

DEVELOPMENT OF AUTONOMOUS CHEMICAL SENSORS FOR OCEAN CARBON CYCLE RESEARCH AND MONITORING

Mike DeGrandpre, University of Montana

MICRO-MOBILE SENSOR NETWORKS

Rajan Zambre, CEO/CTO, Erallo Technologies

APPLICATION OF DISSOLVED ORGANIC MATTER FLUORESCENCE TO MONITOR BALLAST WATER EXCHANGE COMPLIANCE IN COMMERCIAL VESSELS

Jennifer Boehme, Christopher Brown, Tim Mullady, Monaca Noble, Darrick Sparks, George Smith, and Greg Ruiz, Smithsonian Environmental Research Center; Kate Murphy, School of Civil and Environmental Engineering, University of New South Wales

VOXNET: A DISTRIBUTED ACOUSTIC SENSING NETWORK FOR LOCALIZING ANIMAL CALLS

Lewis Girod, Massachusetts Institute of Technology

11:00 a.m. to 12:30 p.m.

Georgian

COMMUNICATING CLIMATE CHANGE IMPACTS AND RISKS TO COMMUNITIES: LESSONS LEARNED

Moderator: Sunshine Menezes, Metcalf Institute for Marine and Environmental Reporting

INSURANCE INDUSTRY STRATEGIES FOR LOSS PREVENTION

Diana L. McClure, Institute for Business and Home Safety

HOW NEWSPAPERS COMMUNICATE CLIMATE CHANGE

Beth Daley, The Boston Globe

ADDRESSING BARRIERS TO COASTAL COMMUNITY RESILIENCE: RESEARCH AND OUTREACH IN MAINE AND OREGON

Kristen Grant, Maine Sea Grant and University of Maine Cooperative Extension

11:00 a.m. to 12:30 p.m.

Stanbro

CONSERVATION PLANNING

Moderator: Katie Dolan, The Nature Conservancy

BUILDING SUPPORT FOR COASTAL CONSERVATION: SMALL ORGANIZATIONS AND BIG PLANS

Tin Smith and Susan Bickford, Wells National Estuarine Research Reserve

E-ESTUARY: A DECISION SUPPORT SYSTEM FOR COASTAL WATER AND ECOSYSTEM MANAGEMENT IN THE U.S.A.

Naomi Detenbeck, Marilyn Buchholtz ten Brink, Marguerite Pelletier, Mohammed Abdelrman, Steve Rego, and Jim Latimer, U.S. Environmental Protection Agency, Office of Research and Development, National Health and Environmental Effects Research Laboratory, Atlantic Ecology Division

COOPERATIVE HABITAT PROTECTION PARTNERSHIPS AND A PILOT EFFORT IN MOBILE BAY, ALABAMA

Roberta Arena Swann, Mobile Bay National Estuary Program; Carl Ferraro, Alabama Department of Coastal and Natural Resources; Kathi Rodrigues, NOAA Office of Habitat Conservation; Mary Austill Lott and Jay Udelhoven, The Nature Conservancy; Lauren Long, NOAA Coastal Services Center

PROMOTING ALTERNATIVE MOORING TECHNOLOGIES TO PROTECT EELGRASS HABITAT

Christopher Boelke, NOAA National Marine Fisheries Service

11:00 a.m. to 12:30 p.m.

Terrace

**MEASURING AND COMMUNICATING THE VALUE OF COLLABORATION IN
COASTAL MANAGEMENT**

Moderator: Kate Barba, NOAA Office of Ocean and Coastal Resource Management,
National Policy and Evaluation Division

**SLOSEA (SAN LUIS OBISPO SCIENCE AND ECOSYSTEM ALLIANCE): A BOUNDARY
ORGANIZATION HELPING DEVELOP MARINE EBM ON THE COAST OF CENTRAL CALIFORNIA**

Dean E. Wendt, Ph.D., California Polytechnic State University

ENHANCING RESILIENCE IN COMMUNITY-BASED PLANNING IN HAWAII

Catherine A. Courtney, Tetra Tech EM Inc.

**BARRIERS AND BRIDGES TO ECOSYSTEM MANAGEMENT – USING COLLABORATIVE LEARNING
TO DEFINE AND MEASURE PROGRESS**

Christine Feurt, Wells National Estuarine Research Reserve

HUMBOLDT BAY INITIATIVE: ADAPTIVE MANAGEMENT IN A CHANGING WORLD

M. Wheelley and Susan Schlosser, University of California Sea Grant Extension

THURSDAY, JULY 23

2:00 to 3:00 p.m.

Arlington

**RECENT LEGISLATIVE AND POLICY DEVELOPMENTS FOR NOAA'S
CONSERVATION AND RESTORATION PROGRAMS: ARRA, CELCP,
AND CZMA**

Moderator: Emily Woglom, The Nature Conservancy (*invited*)

Panelists:

Chris Doley, NOAA National Marine Fisheries Service, Office of Habitat Conservation

Ralph Cantral, NOAA Office of Ocean and Coastal Resource Management

Elaine Vaudreuil, NOAA Office of Ocean and Coastal Resource Management

2:00 to 3:00 p.m.

Berkeley/Clarendon

**COASTAL ENVIRONMENTAL SENSING NETWORKS III: POLICY AND
MANAGEMENT-RELATED INFORMATION AND TECHNOLOGY NEEDS**

Moderator: John A. Duff, University of Massachusetts, Boston

**CURRENT AND FUTURE ENVIRONMENTAL SENSING APPLICATIONS FOR COASTAL
ZONE MANAGEMENT**

Bruce K. Carlisle, Massachusetts Office of Coastal Zone Management

MONITORING FOR CHANGE IN THE STELLWAGEN BANK NATIONAL MARINE SANCTUARY

Ben Cowie-Haskell, NOAA Office of National Marine Sanctuaries, Stellwagen Bank
National Marine Sanctuary

**LANDSCAPE STUDIES AND THEIR INTEGRATION INTO DECISION-MAKING DATABASES – A VIEW
FROM THE “FIELD”**

Allen M Gontz, University of Massachusetts, Boston

2:00 to 3:00 p.m.

Georgian

**CLIMATE-READY ESTUARIES: AN ADAPTATION TOOLKIT TO GET READY
FOR A CHANGING CLIMATE**

Moderator: John Wilson, U.S. Environmental Protection Agency

**CLIMATE CHANGE ADAPTATION IN A COASTAL NEW HAMPSHIRE WATERSHED: IMPROVING
CULVERT INFRASTRUCTURE FOR INCREASED STORM FREQUENCY AND INTENSITY**

Derek Sowers, Piscataqua Region Estuaries Partnership; Michael Simpson and Colin
Lawson, Antioch University; Latham Stack, Syntectic International; Thomas Crosslin,
Climate Techniques

**ESTIMATING THE COSTS TO REPLACE LOST ECOLOGICAL SERVICES DUE TO SEA LEVEL RISE IN
THE DELAWARE ESTUARY**

Ann Shellenbarger Jones, Industrial Economics, Inc.

RESPONDING TO RISING TIDES: VULNERABILITY ASSESSMENT AND POLICY RESPONSE TO SEA
LEVEL RISE IN SAN FRANCISCO BAY

Steve Goldbeck, San Francisco Bay Conservation and Development Commission

2:00 to 3:00 p.m.

Stanbro

WATER QUALITY: DISCHARGERS AND NUTRIENT MONITORING

Moderator: Zack Steele, Wells National Estuarine Research Reserve

**NO DISCHARGE AREAS (NDAs): ELIMINATING THE LAST MAJOR SOURCES OF SEWAGE
DURING DRY WEATHER**

Regina Lyons, Office of Ecosystem Protection, U.S. Environmental Protection Agency,
New England Region

**BEST MANAGEMENT PRACTICES AND GUIDELINES FOR GREEN BOSTON HARBOR,
MASSACHUSETTS, U.S.A.**

Anamarija Frankic, Carrie Schuman, and Dorothy Bassett, University of
Massachusetts, Boston

**THE MAINE HEALTHY BEACHES PROGRAM: INTEGRATING SCIENCE AND EDUCATION FOR
BETTER WATER QUALITY**

Peter Slovinsky, Maine Geological Survey; Paula Thomson, Maine Coastal Program; Todd
Janeski, Virginia Commonwealth University; Esperanza Stancioff, University of Maine
Cooperative Extension

2:00 to 3:00 p.m.

Terrace

**APPLYING INNOVATIVE LAND USE TECHNOLOGY IN
COASTAL COMMUNITIES**

Moderator: Kalle Matso, Cooperative Institute of Coastal and Estuarine Environmental
Technology, University of New Hampshire

APPLYING INNOVATIVE LAND USE TECHNOLOGY IN COASTAL COMMUNITIES

Kalle Matso, Cooperative Institute of Coastal and Estuarine Environmental Technology,
University of New Hampshire

**DISSEMINATION AND USE OF A WEB-BASED TOOL TO SUPPORT NATURAL RESOURCE-BASED
PLANNING AT THE LOCAL LEVEL**

Chester L. Arnold, Jr., Center for Land Use Education and Research, University of
Connecticut; David Dickson, Emily Wilson, and John Rozum, NEMO

**COLLABORATIVE LEARNING AND LAND USE TOOLS TO SUPPORT COMMUNITY-BASED
ECOSYSTEM MANAGEMENT**

Christine Feurt, Wells National Estuarine Research Reserve

THURSDAY, JULY 23

3:30 to 4:30 p.m.

Arlington

COMMUNICATING STORMWATER RESEARCH TO A DIVERSE SET OF STAKEHOLDERS

Moderator: Richard Langan, Cooperative Institute of Coastal and Estuarine Environmental Technology

REGIONAL RESULTS FROM USER-DRIVEN OUTREACH AND EDUCATION STRATEGIES AT THE UNH STORMWATER CENTER

James J. Houle, Robert M. Roseen, and Thomas P. Ballestero, University of New Hampshire Stormwater Center

LOCAL LAND USE DECISION MAKERS AS THE BOTTOM LINE: TALES FROM THE NATIONAL NEMO NETWORK

Chester L. Arnold, Jr., Center for Land Use Education and Research, University of Connecticut; David Dickson, National NEMO Network

CALIFORNIA WATER AND LAND USE PARTNERSHIP: PARTNERING ACROSS THE STATE OF CALIFORNIA AND PROVIDING TOOLS FOR LOCAL DECISION MAKERS

Susan F. Zaleski, University of Southern California Sea Grant Program; Al Wanger, California Coastal Commission; Timothy Lawrence, California Sea Grant Program, University of California, Davis

3:30 to 4:30 p.m.

Berkeley/Clarendon

TECHNOLOGY AND INFORMATION MANAGEMENT

Moderator: Joel Johnson, Connecticut Department of Environmental Protection, Office of Long Island Sound Programs

HOW DIGITAL IS WHAT DIVIDES US? THE ROLE OF INFORMATION AND COMMUNICATION TECHNOLOGY (ICT) IN SUPPORT OF REGIONAL NETWORKS OF LEADERS WORKING TOWARD SUSTAINABLE COASTAL COMMUNITIES AND ECOSYSTEMS

Bob Bowen and Donald D. Robadue, Jr., Coastal Resources Center, University of Rhode Island

COINATLANTIC, A NETWORK OF PEOPLE AND TECHNOLOGY IN SUPPORT OF COASTALSHED MANAGEMENT

M.J.A. Butler, International Ocean Institute; P.R. Boudreau and C. LeBlanc, ACZISC Secretariat; J. Boxall, Geographic Information Centre, Dalhousie University; C.W. MacDonald, GeoNova, Province of Nova Scotia

DO ETHICS MATTER? ADDRESSING UNFORESEEN ETHICAL, LEGAL, AND REGULATORY IMPLICATIONS OF NEW OCEAN SCIENCE TECHNOLOGY

Edward R. Urban, Jr., Ph.D., Scientific Committee on Oceanic Research (SCOR), University of Delaware, College of Marine and Earth Studies; Melissa A. Brodeur, U.S. Census of Marine Life Program Office, Consortium for Ocean Leadership

3:30 to 4:30 p.m.

Georgian

PROTECT OR RETREAT: CASE STUDIES OF COASTAL HAZARD RESPONSE STRATEGIES

Moderator: Deborah Purce, Washington State Department of Ecology

CLIMATE CHANGE ADAPTATION STRATEGIES IN THE SPANISH COAST: EBRO DELTA CASE STUDY

Jordi Galofré, Ministry of the Environment and Rural and Marine Affairs

BEACH PROTECTION POLICY IN THE SOUTHEASTERN COASTAL ZONE

Sarah Skigen, Town of Hilton Head Island, South Carolina

MANAGED RETREAT IN MAUI, HAWAII

Thorne Abbott, Maui County Planning Department; Zoe Norcross-Nu'u, University of Hawaii Sea Grant

3:30 to 4:30 p.m.

Stanbro

DEVELOPING COASTAL LIVELIHOODS FOR COASTAL BIODIVERSITY CONSERVATION: LESSONS FROM THE SUSTAINABLE COASTAL COMMUNITIES AND ECOSYSTEMS PROJECT

Moderator: Elin Torell, Ph.D., University of Rhode Island, Coastal Resources Center

MODERATING OUR EXPECTATIONS ON LIVELIHOODS IN ICM: EXPERIENCES FROM THAILAND, NICARAGUA, AND TANZANIA

Elin Torell, Ph.D., University of Rhode Island, Coastal Resources Center

COMMUNITY-BASED MARINE CONSERVATION AND SUSTAINABLE LIVELIHOODS: LESSONS FOR NORTH SULAWESI INDONESIA

Brian Crawford, University of Rhode Island, Coastal Resources Center

SMALL-SCALE, COMMUNITY-BASED AQUACULTURE – EXAMPLES FROM OUR GLOBAL EXPERIENCE

Maria Haws, University of Hawaii, Hilo

3:30 to 4:30 p.m.

Terrace

**ENGAGING STAKEHOLDERS THROUGH COMMUNICATION, OUTREACH,
AND TRAINING**

Moderator: Lisa Auermuller, Jacques Cousteau National Estuarine Research Reserve

USING COMMUNICATION SCIENCE TO EFFECTIVELY ENGAGE COASTAL POPULATIONS

Joseph Cone, Oregon Sea Grant, Oregon State University

**PLANNING FOR CLIMATE CHANGE: HOW NOAA'S COASTAL TRAINING PROGRAM IS HELPING
LOCAL ENTITIES PREPARE**

Cathy Angell, Padilla Bay National Estuarine Research Reserve; Katrina Hoffman,
Washington Sea Grant; Lara Whitely Binder, Climate Impacts Group; Elizabeth Willmott,
King County Executive Office

**MEETING THE NEEDS OF COASTAL COMMUNITIES IN THE FACE OF CLIMATE CHANGE:
CREATING TARGETED OUTREACH MATERIALS**

Jenna Borberg and Michael Harte, Oregon State University; Joseph Cone, Oregon Sea Grant;
Laurie Jodice, Clemson University