



International Marine Spatial Planning Symposium

Sharing Practical Solutions

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Participant Biographies





David Abedon has served as a member of the R.I. Coastal Resources Management Council for more than a decade. He also serves on the Ocean Special Area Management Plan (Ocean SAMP) Subcommittee, and served on the subcommittee for the Greenwich

Bay and Metro Bay SAMPs during their development and adoption. Abedon has a teaching and Cooperative Extension appointment at the University of Rhode Island. His teaching involves coordinating the university-wide Minor in International Development and teaching the courses involved with the minor. His extension appointment has involved working in the community development area especially as it has related to international development, development education, environmental education, biodiversity and coastal management. He has worked with students and faculty to conduct research in Costa Rica, Brazil and Crete, Greece, India and Kenya.



Tony Affigne is professor and past chair of the political science department at Providence College. In May 2011, Governor Lincoln Chafee appointed Affigne to Rhode Island's Coastal Resources Management

Council, where he serves on the Ocean SAMP subcommittee, responsible for offshore permitting and wind energy development. Affigne holds graduate degrees from Brown University and the University of Rhode Island. His research and teaching specialties include environmental politics and policy, racial and ethnic politics, and American elections. He has previously published an analysis of Chernobyl's impact on Swedish politics, for *Green Politics One* (Edinburgh 1990), was associate editor for the *International Encyclopedia of Environmental Politics* (London: Routledge 2002), and in September will preside over an international research session on sustainable development at the American Political Science Association annual meeting.



Vera Agostini, senior scientist with The Nature Conservancy, joined the organization in November 2007. She is an ecosystem oceanographer who comes to the Conservancy with 15 years of international experience in climate and fisheries, providing technical expertise

across a range of multi-disciplinary efforts. Agostini has held marine science positions across three sectors:

non-governmental, U.S. and international government, and academic/educational. Her experience ranges from comprehensive ecosystem research to broad policy and planning. Her work is currently focused on integrating people and human well being into conservation. Examples include marine zoning, ecosystem approaches to fisheries, protected area network design and Ecosystem-based Climate Adaptation. Her recent work in marine zoning has taken her to work alongside partners at sites across the Caribbean and Asia Pacific. Agostini holds a Ph.D. in fisheries from the University of Washington and a master's degree in oceanography from the State University of New York at Stony Brook.



Leo Asuncion, Jr. is the manager of the Hawaii Coastal Zone Management Program under the Office of Planning, Department of Business, Economic Development & Tourism, State of Hawaii, and is responsible for the implementation and

management of the federal and state Coastal Zone Management Acts. Previously, he was a senior regulatory analyst and senior integrated resource planning analyst with Hawaiian Electric Company, Inc., and has experience in project management, land-use planning, capital improvement, policy development, and program evaluation during his tenure as a project manager/planner at SSFM International, Inc., the Hawaii State Judiciary, and the Hawaii State Land Use Commission. He is active with the American Planning Association at both national and local levels serving in a number of leadership positions, as well as the local chapter of the Urban Land Institute and a number of community organizations. Asuncion is a graduate of the University of Hawaii-Manoa earning a Bachelor of Arts (Political Science) and Masters in Urban and Regional Planning degrees. He has an M.B.A. from Hawaii Pacific University and has been a member of the American Institute of Certified Planners (AICP) since 1994.



Ronald Baird is Research Professor at the University of North Carolina Wilmington's Center for Marine Science. He previously served as director of the National Sea Grant College Program and associate director for Ocean Research in the National Oceanic and Atmospheric

Administration's principal line office for research. Baird holds a Ph.D. in biology from Harvard University, an M.A. in zoology from the University of Texas at Austin, and a B.S. in zoology from Yale University. He served as vice president of university relations and director of corporate relations at Worcester Polytechnic Institute. He was appointed by the Secretary of Commerce to the

National Sea Grant Review Panel and served as its chair from 1992-1994. Baird was president and a director of Schuster Corporation, an investment holding company and also served as director of research at Geo-Marine, Inc., an engineering and environmental consulting firm in Dallas, Texas. He spent nine years as a professor of marine science at the University of South Florida in St. Petersburg. His published works include contributions to the biology of deep-sea fishes, encounter theory, and marine policy and management. He is a lifetime member of Sigma Xi and a fellow of the American Institute of Fisheries Research Biologists. In 2000, he received the Presidential Rank Award for helping position the U.S. as a world leader in marine research and the sustainable development of coastal resources. In 2006 he received his second Presidential Rank Award for his management innovations in the National Sea Grant Program.



David Beutel is the aquaculture and fisheries coordinator for the R.I. Coastal Resources Management Council, where one of his principal efforts has been helping to develop the fisheries aspects of for marine spatial planning, primarily through the work of the R.I. Ocean Special Area Management Plan. Beutel has worked with the

fishing industry since the late 1970s, when he began his career as a commercial fishermen and fishing gear manufacturer. He later worked for Rhode Island Sea Grant in fisheries and aquaculture outreach and fishing gear research for 17 years. The research work concentrated on projects that modified fishing gear to reduce bycatch. He was part of the team that developed the "Eliminator" trawl, which received the World Wildlife Fund Smart Gear award in 2007. He has also developed educational programs on fishing techniques, fisheries issues, and seafood choices for the industry and the public.



Jason Biggs is an assistant professor of biochemical ecology at the University of Guam Marine Laboratory, and is the CMSP point of contact for the University of Guam Sea Grant Program. As the scientific adviser to the governor of Guam, Biggs also serves on a variety of marine resource committees. His current scientific interests include ecogenomics and pharmacopollution effects on coral reef fish.



Maureen Bornholdt. The passage of the Energy Policy Act of 2005 created new responsibilities for the Bureau of Ocean Energy Management (BOEM) including the lead federal agency leasing authority for renewable energy

and alternate uses on the outer continental shelf. In August 2005, Bornholdt was selected to serve as the program manager to create the Department of the Interior's Offshore Renewable Energy Program. Bornholdt has over 32 years of federal service and extensive experience in environmental regulation and compliance having worked offshore oil and gas issues for the Department of the Interior since 1983. Prior to her selection as program manager, she managed the bureau's Marine Minerals Program, which focused on making available suitable sand deposits in federal waters for wetlands protection and beach nourishment projects. Bornholdt has served as the bureau's technical expert on Coastal Zone Management and National Environmental Policy Acts and as the program analyst covering offshore environmental and regulatory issues for the Assistant Secretary for Land and Minerals Management. Ms. Bornholdt earned a bachelor of science degree in public administration from George Mason University.



Bela Buck studied neurophysiology and marine biology at the University of Bremen, at the Institute for Marine Research in Kiel, and at the Center for Tropical Marine Ecology (ZMT) in Bremen (all in Germany). Since 2001 he has been engaged in projects regard-

ing the multifunctional use of offshore wind farms and offshore aquaculture at the Alfred Wegener Institute for Polar and Marine Research (AWI) in Bremerhaven, Germany. He conducted his Ph.D. research in 2001-2004 in various aspects of offshore aquaculture related to technology, biology, legislation, and ICZM issues within the German Bight. In 2005, Buck was a post-doctoral fellow at the AWI and is the head of the working group "Marine Aquaculture, Maritime Technologies and ICZM." He was responsible for establishing the Institute for Marine Resources (IMARE), in which he is the head of the marine aquaculture section as well as a member of the directory board. In July 2007, he was given a professorship in applied marine biology from the University of Applied Sciences in Bremerhaven. Today, Buck is involved in various projects concerning the cultivation of marine plants and animals, the development of technological design, and the realization of pilot projects to

commercial enterprises. He works in cooperation with various national and international institutions.



Danna Campbell is a senior policy advisor in the Ecosystem Programs Policy Directorate at Fisheries and Oceans Canada. Ms. Campbell joined the Government of Canada in 2003 as an expert in results-based management and performance measurement. Her public service career has evolved

to include a variety of policy areas, including financial administration, ocean management and Aboriginal policy. Prior to joining the Canadian government, Campbell was a graduate research fellow at the Centre on Governance at the University of Ottawa, focusing on local governance issues. Campbell holds an M.B.A. and a graduate certificate in public policy (University of Ottawa), and a bachelor of arts in political studies (Queen's University).



Frederico Cardigos has been the regional director for the maritime affairs of the Azores since October 2010, and director of the marine park of the Azores since November 2011. He received a degree in Marine Biology and Fisheries from the University of the Algarve and master's degree in Management and

Nature Conservation from the University of the Azores. Cardigos was a research assistant from 1994 until 2006 at the Department of Oceanography and Fisheries of the University of the Azores and at the Institute of the Sea through projects funded by the European Union, Science and Technology Foundation of Portugal, and the Government of the Azores. He studied deep sea and shallow water hydrothermal vents, introduced marine macro-species, environment characterization, nature conservation, marine instrumentation, and animal behavior. He has studied numerous marine species including fish, cephalopods and other invertebrates, algae, marine turtles, marine mammals, and birds.



Bruce Carlisle is the director of the Massachusetts Office of Coastal Zone Management (CZM), providing oversight and administration for the agency. He directs policy development, planning efforts, and technical approaches for CZM program areas including ocean planning, shoreline and floodplain management, habitat

protection and restoration, port and harbor planning, water quality, seafloor and tidal habitat mapping, and GIS/data management. Carlisle also supervises CZM's regulatory review of coastal and ocean projects ranging from municipal waterfront development and dredging to offshore wind turbines and LNG facilities. He formerly served as both Acting and Assistant Director for CZM, as well as the manager for the state's Wetlands Restoration Program, where he coordinated efforts to restore former and degraded wetlands. Before that, he served as CZM's project manager and principal investigator for coastal wetland assessment projects, developing and implementing biotic and abiotic indicators of condition and examining their response to stressors. He holds a master's degree in environmental policy from Tufts University.



Michelle Carnevale is a coastal management extension specialist with Rhode Island Sea Grant and the URI Coastal Resources Center (CRC). Carnevale has worked at Sea Grant/CRC since 2009 conducting research and outreach relating to coastal management and marine spatial planning, with

an emphasis on offshore renewable energy. Specifically, her research has examined offshore renewable resources, technology, and the environmental effects of its development. Carnevale is currently managing work related to the Rhode Island Ocean Special Area Management Plan, an ecosystem-based marine spatial planning project, and the National Oceans Partnership Program project to develop environmental monitoring protocols and modeling tools to support ocean renewable energy and stewardship. In addition, Carnevale has been heavily involved in the creation of a regulatory framework for offshore renewable energy to be used at the state level in Rhode Island. Carnevale joined Sea Grant/CRC after receiving a M.A. in marine affairs and an M.B.A. from the University of Rhode Island, where her graduate research focused on offshore renewable energy development in New England. She also holds a B.S. in marine ecology from Cornell University.



Allison Castellan is a coastal management specialist with the National Oceanic and Atmospheric Administration's (NOAA) Office of Ocean and Coastal Resource Management. She works closely with state coastal management programs to jointly imple-

ment the National Coastal Zone Management Program to balance economic development and natural resource preservation along the coast and is the liaison with Connecticut's and Rhode Island's coastal management programs. As the liaison to Rhode Island's coastal program, she worked with the state to develop and incorporate its Ocean Special Area Management Plan into the federally approved coastal management program. Castellán received a master's degree in environmental management from Duke University, focusing on coastal management.



Barry Costa-Pierce is the Henry L. and Grace Doherty Endowed Chair of Marine Science and Director of the Marine Science Center at the University of New England in Biddeford, Maine. From 2001 to 2012 he was the director of the Rhode Island Sea Grant College Program and professor of fisheries

and aquaculture at the University of Rhode Island. Costa-Pierce has lived and worked in 10 U.S. states and 20 nations on a wide range of science and social issues in marine fisheries and aquaculture in both offshore and nearshore marine ecosystems. For the past 13 years he has been an international editor of *Aquaculture*, the top science journal in the field. His current research focus is on the development of low-cost aquaculture systems appropriate for fishing industries and communities, and on environmental and social carrying capacity issues in aquaculture. Costa-Pierce is a Fellow of the American Association for the Advancement of Science (AAAS) and a Fellow of the American Institute of Fishery Research Biologists.



Teresa Crean has been a community planner and coastal management extension specialist with the URI Coastal Resources Center (CRC)/Rhode Island Sea Grant since 2008, and has facilitated efforts in the Rhode Island Renewable Energy Siting Partnership (RI RESP) to evaluate siting potential for renewable energy

infrastructure on land. Crean was involved in coordinating the cultural and historic resources chapter of the Rhode Island Ocean Special Area Management Plan (Ocean SAMP), which evaluated Rhode Islands' offshore waters for potential future uses, including renewable energy infrastructure. As a coastal community planner, Crean leads the Vibrant and Diverse Waterfronts portfolio, which is currently considering sea level rise vulner-

ability for coastal communities in Rhode Island. Prior to joining Sea Grant/CRC, Crean worked for non-profit regional planning commissions and in the private sector for planning/design firms. Crean earned a master of landscape architecture (M.L.A.) from the SUNY College of Environmental Science and Forestry at Syracuse, a B.S. in environmental policy/natural resource management from the University of Michigan, and is a certified planner through the American Institute of Certified Planners (AICP).



Katharina Erdmenger has been head of division for European Spatial Development and Territorial Cohesion, Federal Ministry of Transport, Building and Urban Development, Berlin, since 2009. Previously, Erdmenger served as head of German Trade Union Confederation's Representation Of-

fice to the EU, Brussels. Previously, she was also policy officer for Regional and Structural Policies at German Trade Union Confederation (DGB), Berlin, and policy officer for European Affairs at Diakonisches Werk (Protestant Church Welfare), Berlin. For two years, she served as assistant to a member of the European Parliament, Brussels. She has a Ph.D. in history, political science, and international law.



Andrea Finch is lead of the Consistency and Coastal Management Policy team with the Texas General Land Office's Coastal Resources Division in Austin. She is responsible for implementing Texas' CMSP and overseeing federal consistency review, seismic permitting, non-point source pollution prevention and

hazard mitigation plans. Previously, Finch worked for the state of Wisconsin in both the Coastal Management Program and Department of Transportation as a Great Lakes environmental policy specialist. After graduating from the University of Rhode Island, she worked with the Coastal States Organization in Washington, D.C., as a liaison to the National Oceanic & Atmospheric Administration assisting in the creation of the National Marine Protected Area (MPA) Inventory. Andrea has international experience researching dugongs in Australia and assisting a community-based sea turtle conservation organization in Mexico's Baja Peninsula. She received her B.A. in marine affairs from URI and M.S. in water resources management from the University of Wisconsin – Madison.



Grover Fugate is executive director of the R.I. Coastal Resources Management Council (CRMC). In his role of nearly 25 years, Fugate is responsible for overseeing the development of all policies and programs for the state's coastal program. Currently, he is serving as project manager of the R.I. Ocean

Special Area Management Plan (SAMP), the CRMC's seventh such regulatory program. The SAMP provides management of a variety of existing and new uses in state ocean waters and focuses in part on providing guidance for the development of offshore renewable energy resources. Due to his leadership with the model Ocean SAMP project, Fugate has earned several awards, including the prestigious 2010 Susan Snow-Cotter Award for Excellence in Ocean and Coastal Resource Management from the National Oceanic and Atmospheric Administration (NOAA). He is also the recipient of the 2008 Rhode Island Sea Grant Lifetime Achievement Award. Fugate is the author of several academic journal articles on coastal and natural resources management issues and is a guest lecturer at the University of Rhode Island and Roger Williams University. Prior to joining the CRMC, Fugate served as director of shore zone management with the Department of Development, Government of Newfoundland and Labrador, working on planning for the province's offshore oil development. During his time there, Fugate developed the Environmental Protection Process for major onshore projects related to offshore development and was also a lecturer at the Department of Part-time Studies and Extension at Memorial University. Before this, he served in other key natural resources management positions in Newfoundland and Labrador. He holds an MBA from Memorial University with a program specialization in resource policy analysis in 1984, and graduated from the University of Connecticut in 1976, with a degree in Natural Resource Management. He also completed a certificate program in Public Administration from Memorial University.



Paul Gilliland is marine planning development manager of the Marine Management Organisation, which is the statutory marine planning body for the U.K. Prior to that, he helped develop and advocate ideas to inform the legislation now in place to enable marine planning

to go ahead. He has 20 years' experience in marine and coastal management, mainly with the U.K. government's conservation advisers, covering a wide range of issues to do with biodiversity, Marine Protected Areas, environmental assessment, and management of human activities, such as aggregate extraction, oil and gas exploitation, and port development, and associated research and policy interpretation. He has contributed to European initiatives, e.g. the Marine Strategy Framework Directive, and international projects, such as a UNESCO expert group on marine spatial planning.

Danni Goulet has worked as the dredge coordinator at the R.I. Coastal Resources Management Council for 10 years, and recently as the CRMC Marine Infrastructure Coordinator. Prior to that, he worked for 10 years as the vice president of a coastal engineering consulting company. He also worked as a commercial diver for five years in New York City.



Sara Guiltinan is a leasing specialist in the Bureau of Ocean Energy Management's Pacific OCS Region. She is involved in lease management for oil and gas projects, planning for renewable energy leasing and development, and socio-economic analyses for projects

in the Pacific Region. She is also BOEM Pacific's lead staff for marine spatial planning and National Ocean Policy activities, and supports BOEM's roles in the forming West Coast Regional Planning Body, forming Pacific Islands Regional Planning Body, West Coast Governors Alliance, and West Coast Regional Data Network. Her efforts are informed by experience gained in marine spatial planning in the Atlantic regions during a detail to BOEM's Office of Renewable Energy Programs. She joined the federal government as a Presidential Management Fellow and holds degrees in environmental science from Claremont McKenna College and the University of California at Santa Barbara. Prior to joining BOEM, Guiltinan worked as an environmental consultant.



Lynne Hale is an expert in marine and coastal ecosystem management with more than 25 years of experience in the field. She currently serves as the director of marine conservation for The Nature Conservancy. Over the last decade at TNC she has led the development of

TNC's marine programs, which integrate science and policy work with "in-the-water" conservation and restoration in over 30 countries including the United States and multiple countries in Asia, Oceania, the Caribbean, South America, and Africa. Prior to joining the Conservancy, as the associate director of the Coastal Resources Center at the University of Rhode Island, Hale played a leadership role in the design and implementation of integrated coastal management programs in the United States, Latin America, Asia, and Africa, as well as globally oriented outreach and training programs. In 2008, her contributions to marine conservation were recognized as she received NOAA's Walter B. Jones Memorial Award as the Coastal Steward of the Year. Hale has an M.S. in biological oceanography from the URI Graduate School of Oceanography and a B.A. in zoology from the University of Pennsylvania.



Jennifer Hennessey is an ocean policy planner with the Washington State Department of Ecology. She coordinates a team of state agencies and stakeholder advisory group focused on improving ocean and coastal management for Washington's Pacific Coast. She is also currently coordinating a state effort to conduct pre-planning activities based

on the state's marine spatial planning law. Hennessey authored a report to the state legislature on how to advance marine spatial planning based on state law (January 2011) and *Washington's Ocean Action Plan* (2006), which identifies recommendations for improving management of ocean and coastal resources on Washington's Pacific Coast. Hennessey also assists the Washington governor's office on coordinating with coastal treaty tribes on ocean policy issues and on implementation of the West Coast Governors Alliance. She has participated in a variety of work groups and partnerships across a range ocean and coastal policy issues at the state, regional and national level, such as regional ocean governance, renewable energy, regional sediment management, seafloor mapping, and climate change. Hennessey obtained her M.S. in marine resource management from Oregon State University and a B.A. in biology-environmental studies from Whitman College.



Charlotte Herman is legal counsel and policy adviser at Marine Environment Unit, Ministry of Environment (Belgium). Herman received her master's degree in international and national public law from the University of Gent. After her Erasmus Exchange at the University of Parma (Italy) she started her internship at the Secretariat of the World Net-

work of Biosphere Reserves at UNESCO (France), where she continued working as a researcher on a project on Conserving Cultural and Biological Diversity. Prior to obtaining her LL.M. in energy and environmental law from University of Leuven (2010), Charlotte worked as a legal counsel for a non-profit human rights organization and as a researcher at the public law department of the University of Ghent. In 2011, she joined the marine environment unit of the Belgian Ministry of Environment. She is responsible for the implementation, follow-up, and control of programs and action plans and reporting under the Water Framework Directive and the Environmental Quality Standards Directive. Herman also follows up the development of a regulation on ocean fertilization, and geo-engineering activities in general, under the London Convention and Protocol. Currently, she is intensively involved in the policy formulation and the drafting legal documents for the Belgian marine spatial planning process. She will be responsible for the Strategic Environmental Assessment of the Belgian marine spatial plan and she has a particular interest in the public and transboundary consultation processes and challenges of marine spatial planning.



Paul Klarin is marine affairs coordinator for the Oregon Department of Land Conservation and Development. Klarin has a B.A. from the University of California Santa Barbara, and an M.M.A. from the University of Washington College of Oceans and Fisheries. He

worked for several years with the Battelle Human Affairs Research Center in Seattle on climate change and sea level rise under a contract with the Washington Department of Ecology. He has been with the Oregon Coastal Division in the Oregon Department of Land Conservation and Development for 22 years in numerous capacities, including permit review, state and federal agency coordination, policy analyst, legislative liaison, ocean shores and coastal hazards specialist, and for the past five years as the marine program coordinator

charged with coordinating the development of the state's territorial sea plan for renewable energy development.



Jessica Kondel began her career with NOAA in 2000 when she was commissioned as an officer in the NOAA Corps. After six years with the NOAA Corps, Kondel transitioned to NOAA's Fisheries Service Southwest Regional Office in Long Beach, Calif., where she worked on

international fisheries issues related to the Agreement on the International Dolphin Conservation Program. After leaving California for Washington D.C., Kondel continued her NOAA career by serving as a NOAA Fisheries liaison to the NOAA leadership team, Advisor to the Deputy Under Secretary, and a Congressional Affairs Specialist. Since October 2010, Kondel has been working to support NOAA's efforts related to regional marine planning. Kondel provides leadership and coordination across all NOAA programs to help guide NOAA's engagement in the National Ocean Policy's marine planning requirements. Kondel also works closely with NOAA's many stakeholders and interagency partners to advance comprehensive ocean and coastal management and planning activities.



Paul E. Lemont has served on the R.I. Coastal Resources Management Council for a decade, and has served eight of those years as its vice chairman. Lemont, an attorney from East Providence, also serves as CRMC's administrative hearing officer. He previously worked as an arbitrator,

a partner at Manchester & Lemont, as Seekonk's town administrator, and as city manager for the city of East Providence.



Darren Lerner is associate director of the University of Hawaii Sea Grant Program. He is responsible for the management of all aspects of the program including extension, communication, and education, and serves as the research coordinator. Lerner also serves as affiliate research faculty at the Hawai'i Institute of Marine Biology, where he conducts a research program focused on environmental physiology of fishes. Lerner earned his bachelor's degree in political science and psychology from the University of Missouri, Columbia, a master's degree in zoology from Oregon State

University, and a Ph.D. in organismic and evolutionary biology from the University of Massachusetts, Amherst. He was hired by UH Sea Grant in 2007.



Meredith Lopuch is a program officer for the Gordon and Betty Moore Foundation's Marine Conservation Initiative. Before coming to the foundation, Lopuch spent more than a decade working on international marine fisheries and market-based conservation solutions at

the World Wildlife Fund. Most recently, she served as director of their Major Buyer Initiative. Through this initiative Lopuch worked with major seafood buyers such as Walmart, SYSCO, Kroger, SUPERVALU, Costco, and King and Prince to encourage and assist them in using their purchasing power to secure seafood from environmentally sustainable sources, to assess current seafood supply chains for sustainability of supply, and to use their supply chain to improve fisheries around the world. Earlier, she worked as deputy director of WWF's Sustainable Seafood Initiative, and prior to that was a senior program officer in their fisheries program. Lopuch holds an M.S. from Stanford in earth systems science with a focus in marine conservation, fisheries science, and environmental economics. She also holds a B.S. from Stanford in biology with a focus in marine biology, and a B.A. in economics.



Harald Marencic, deputy secretary of the Common Wadden Sea Secretariat, studied biology in Munster and did his Ph.D. on contaminants in the Wadden Sea at the University in Hamburg. He has been working in the Wadden Sea with a focus on environmental monitoring in various positions since 1986. After a job

at the Federal Maritime Agency in Hamburg, he became scientific coordinator of a cooperative ecosystem research project at the National Park Lower Saxon Wadden Sea in 1992. Since 1995, he has been working with the Trilateral Cooperation on the Protection of the Wadden Sea, an intergovernmental organization of the Dutch, German, and Danish environmental ministries. He is located at the Common Wadden Sea Secretariat in Wilhelmshaven as coordinator of the joint monitoring program TMAP. Since 2010, he has taken over the coordination of trilateral activities of the Dutch-German UNESCO World Heritage Wadden Sea.



Anne Maxwell Livingston is council chair of the Rhode Island Coastal Resource Management Council and has been the chair of the Jamestown Democratic Town Committee since 2010. She was also a candidate for Jamestown Town Council in 1997 and the School

Committee in 2001. Maxwell Livingston served as a member of the Jamestown Tax Assessment Board of Review from 1993 to 2011, serving as chair from 1998 to 2011. A Connecticut College graduate, with a B.A. in government, and a Boston College Law School graduate with an L.L.B., she has also worked for State Mutual Life Assurance Company; Rhode Island Hospital Trust National Bank, as vice president of the legal department; Old Stone Bank, where she worked as counsel; and Morneau & Murphy. She has also worked as tax preparer for Volunteer Income Tax Assistance Program since 1998, and for H & R Block as a tax professional since 2003. Maxwell Livingston has also served as a board member for the Girl Scouts of Rhode Island; and the International Institute of Rhode Island, Providence Children's Museum (where she is still a board member), and Island Moving Company, all three of which she served as president as well. She was founder and treasurer of the Jamestown Education Foundation from 2004 to 2010, and has been treasurer for the Newport Performing Arts Center since 2004 and treasurer of the Jamestown Arts Center since 2009.



Jennifer McCann is director of U.S. Coastal Programs for the University of Rhode Island (URI) Coastal Resources Center and director of Extension Programs for the Rhode Island Sea Grant College Program. As lead of these programs, she has been a principal investigator and

management team member of the Ocean Special Area Management Plan (SAMP), a state regulatory effort to comprehensively zone state waters regarding existing and potential ocean uses, including offshore alternative energy resources. McCann is also the program manager for the national effort to develop monitoring protocols and modeling tools for improved management of offshore renewable energy. McCann has served at URI for over 13 years and has over 18 years of professional experience in community development, institutional capacity building, marine protected area planning and management, watershed management, and fundraising. She specializes in providing technical capacity building to government and local civic organizations locally, nationally, and internationally. She began her career in

Washington, D.C., at the Center for Marine Conservation (now The Ocean Conservancy), building a strong and diverse educated constituency for the creation and management of the Stellwagen Bank National Marine Sanctuary. She also represented CMC in the Dominican Republic. Her primary focus was to build the capacity of local non-profits as institutions and implementers of integrated coastal resources management. McCann has an M.A. in Marine Affairs and a B.A. in Spanish and international relations.



Dominic McCarthy manages the Auckland Council's coastal policy team and is responsible for providing environmental strategy and policy advice relevant to natural and physical resource management of

the territorial sea within this region of New Zealand. McCarthy has over 27 years applied experience in natural resource management, focusing on coastal and marine issues. Amongst other areas he has experience in environmental policy analysis, sources and impacts of marine pollution and their management, oil spill response, coastal fisheries management, marine ecology and environmental monitoring, dredging and marine disposal, and aquaculture. He is project manager of the Auckland Council's component of a proposed joint-agency marine spatial plan proposed for the Hauraki Gulf Marine Park.



Laura McKay is the program manager for the Virginia Coastal Zone Management Program at the Virginia Department of Environmental Quality. The program is a network of 11 state agencies and 44 local governments that links laws and policies to protect and enhance coastal

resources. The Virginia CZM Program manages about \$4.8 million per year in federal funds from the National Oceanic and Atmospheric Administration and matching funds from the state and local governments. These funds support about 60 projects per year dealing with topics such as coastal water quality, fisheries and aquaculture, habitat protection and restoration, and public access and ecotourism. She earned her bachelor's degree in environmental science from Smith College. She earned her master's degree in public administration and policy analysis from the Rockefeller Institute of Public Affairs, State University of New York at Albany.

McKay represents the Commonwealth of Virginia for the Mid-Atlantic Regional Council on the Ocean and was one of the founders of MARCO along with her counterparts from other states in the region. She has the lead responsibility within MARCO for its Ocean Planning Action Team and development of the MARCO Mapping and Planning Portal, which went online in 2010 and is being used as a first step in ocean planning for the region.



Betsy Nicholson serves as NOAA Coastal Services Center's northeast lead, identifying coastal and ocean management issues that require a regional solution, with a focus on ocean planning and climate change adaptation. She serves as NOAA's Coastal and Marine Spatial Planning lead in New England to respond to

the National Ocean Policy, and has served as the NOAA representative to the Northeast Regional Ocean Council (NROC) since its inception in 2005. Nicholson started with NOAA in 2000 and during her tenure in Washington, served as the National Ocean Service liaison to the NOAA administrator, and as the NOAA policy advisor to the secretary of commerce. Betsy is a graduate of Williams College and Duke University where she received a master's degree in coastal environmental management.



Darren Okimoto is the extension leader for the University of Hawai'i Sea Grant College Program, where he oversees outreach and education activities associated with the program as well as supervising 17 extension faculty and staff. Okimoto brings a background in science, instruction, and academic administration

to his position at UH Sea Grant. He holds an M.S. in zoology from the University of Hawai'i and a Ph.D. in biology from the University of Delaware (UD). Following his graduation from Delaware, Okimoto served as a postdoctoral fellow in UD's psychology department. He returned to the biology department for three and a half years as an assistant professor in biology to teach elementary human physiology and introductory biology courses. Okimoto was hired by UH Sea Grant in 2002 and stationed full time in American Samoa for three years before becoming the extension leader for UH Sea Grant in 2005.



Erik Olsen is a senior scientist and heads the Research Program for Oil and Fish at the Institute of Marine Research in Bergen, Norway. He has a background as a fisheries biologist (Ph.D.), but has since 2002 focused his research and advisory activities on marine spatial management by participating in developing the integrated and area-based management

plans for the Barents Sea and the Norwegian Sea. Key research areas within MSP have been the identification of ecologically valuable areas, areas of conflict of interest, the role of governance, and cumulative vulnerability of ecosystem components to human use.



Stephen Olsen. Associated with the Coastal Resources Center (CRC) since its creation in 1971, Stephen Olsen has served as the its director since 1975. Stephen led the team that drafted the Rhode Island Coastal Resources Management Program adopted by the state in 1977—one of the first state programs to meet standards set by the U.S. federal government.

He also led the design of the first special area management plan to address complex issues of coastal ecosystem change that require the coordinated action by several agencies and levels of government. Beginning in 1985, he has been the director of an international program that is widely recognized as a pioneer in developing a learning-based, issue-driven approach to the management of coasts through long-term programs in Latin America, East Africa, and Southeast Asia. He has worked with the agencies of the United Nations and several development banks on their coastal management initiatives in a growing number of countries. Olsen is well known for his work on developing common methodologies for learning from coastal management experience. This work is being supported by a number of international institutions and is promoting an adaptive, learning-based approach to coastal management. He recently ended his term as vice-chairman of the Scientific Steering Committee of the international Land-Ocean Interactions in the Coastal Zone (LOICZ) Program and played a leading role on a committee assembled by the U.S. National Academy of Science on building capacity for the stewardship of oceans and coasts.



Sarah Pautzke was born and raised in the Pacific Northwest and Alaska. She is the daughter of a fishery manager and coastal zone / wetlands manager, and is following in their footsteps. She received her master's degree in fish ecology at University of Massachusetts

Amherst in 2008. Her first job after graduate school was as a fishery analyst for the New England Fishery Management Council. She then worked for the Western Pacific Fishery Management Council as a fishery analyst for two years when the position for Secretariat of the Pacific Islands Coastal and Marine Spatial Planning Regional Planning Body became available. She now works as the secretariat and as the CMSP program coordinator for the NOAA Fisheries Service Pacific Islands Regional Office in Honolulu.



Raewyn Peart, policy director for the Environmental Defense Society, has over 20 years professional experience in environmental law and policy. She holds the qualifications of Bachelor of Social Science (Waikato), Bachelor of Commerce (Otago), Bachelor of Laws (Otago) and Masters of

Commerce (Natal). She has been admitted as a barrister and solicitor of the High Court of New Zealand. Peart has broad experience in the environmental field having worked for law firms, a property development company, a government research organization, and an environmental non-governmental organization, as well as undertaking many consultancy projects for councils and other organizations. For the past 10 years her work has focused on coastal and marine issues. She has written numerous papers, research reports and guides on these issues and in 2009 published a major book on coastal development titled *Castles in the Sand: What's happening to the New Zealand coast?* Peart has been working with the Hauraki Gulf Forum and regional councils to initiate the first integrated marine spatial planning project in New Zealand. This will be located off the north-east coast of the North Island and extend 12 nautical miles seawards from the shore. The plan is proposed to include all marine activities, including fishing, as well as catchment-based impacts on the marine area. As a precursor to the project, Raewyn was commissioned by the Hauraki Gulf Forum to undertake an international

review of marine spatial planning initiatives. The results of this study have been published in the report *Spatial Planning for the Gulf: An International Review of Marine Spatial Planning Initiatives and Application to the Hauraki Gulf*.



Jake Rice is national senior advisor of ecosystem sciences for the Department of Fisheries and Oceans (DFO), Canada. He spent 11 years as director of peer review and science advice for DFO. Prior to that, he had senior positions in Pacific Region and Newfoundland Region. He has held faculty posi-

tions at Memorial University, Arizona State University, and University of Copenhagen. He received his B.Sc. from Cornell and Ph. D. from University of Toronto. Rice has more than 200 publications in the scientific and technical literature, covering many aspects of what is now considered the ecosystem approach to integrated management. This work has included investigation of objective methods for choosing informative ecosystem indicators, setting ecologically based reference levels on indicators, and strategies for conducting ecosystem assessments that are integrated across ecosystem processes, industry sectors, and ecological, social, and economic aspects of policy and management. His primary duties now are as science advisor to the DFO International Policy group, and with substantial involvement in negotiations of international marine policy at UN Working Groups, FAO, CBD, and related bodies. He is a member of the Group of Experts for the UN Regular Process for Global Marine Assessments, and is one of the lead authors for a chapter on drivers, trends and mitigation, for the next Intergovernmental Panel on Climate Change Assessment Report.



Vanessa Smith is a project officer with Dorset C-Scope. She has a background in both tropical and temperate marine management, with an M.Sc. in Tropical Coastal Management from Newcastle University, U.K. She has worked on a variety of projects in Madagascar, Tanzania, Honduras, and the Solomon Islands, with a particular interest in applying inter-disciplinary approaches to the designation and management of marine protected areas, governance, and marine tourism. Over the last three years she has been responsible for managing and delivering C-SCOPE, a European-funded MSP project exploring

new methods for stakeholder-led marine planning in temperate waters.



Jesse Souki was recently appointed by the governor of Hawaii to serve as the director of the Office of Planning. Current priorities for the office include integrating climate change adaptation into statewide planning, implementing the president's National Ocean Policy, improving the state's geographic information system, streamlining the state special

management area permitting system, and implementing Hawaii's recently adopted sustainability act. Souki has a career of experience working on environmental and land use matters in both the public and private sectors. Most recently, Souki served as an attorney for the city and county of Honolulu's proposed 20-mile, 21-station rail transit project, where he provided advice and counsel to clients in the areas of state and federal environmental review, permitting, zoning, and administrative proceedings and litigation related to these areas. Before joining the city, he served as a deputy corporation counsel for Maui County, where he advised the planning department and planning commission. He then joined the law firm of Imanaka, Kudo & Fujimoto, where he advised both private and government clients on land use projects that included industrial, commercial, residential, and resort developments. Souki earned his B.A. (economics) and M.A. (political science) from the University of Hawaii at Manoa. He earned his J.D. from the Seattle University School of Law in 2004. He is licensed to practice in the state of Hawaii and the District of Columbia.



Rachel Strader is a program officer for the Marine Conservation Initiative of the Gordon and Betty Moore Foundation, focusing mostly on the New England portfolio of grants and selected West Coast projects. She started as a research fellow at the Foundation seven

years ago, helping design the Initiative. Prior to coming to the Foundation, she worked on fisheries management issues and right whale/shipping conflicts in New England. A native of upstate New York, she completed her undergraduate degree in biology at Union College and a master's degree in environmental management at Duke University, with a focus on coastal management.



Chris Tompsett is an engineer and senior environmental planner at the Naval Undersea Warfare Center Division in Newport, R.I., and is the coastal and marine spatial planning point of contact for the organization. He participated in the R.I. Ocean Special Area Management Plan (SAMP) development process and currently serves as the Navy

point of contact for the Ocean SAMP. He also participated in the New Hampshire and Southern Maine Ocean Uses Atlas workshop representing various U.S. Navy commands. Tompsett is a member of both the Rhode Island and Massachusetts Bureau of Energy Management Renewable Energy Task Forces providing representation for the Navy and the Department of Defense. He has also been designated to provide support to the Department of Defense and Joint Services Representatives on the National Ocean Council Northeast Regional Planning Body.



Tomohiko Tsunoda is a senior researcher at Mitsubishi Research Institute, Inc. He has an M.Sc. from the Department of Earth and Planetary Science, Graduate School of Science, the University of Tokyo. His research fields are marine information systems and ocean policy.



Denis van der Putten is the manager of coordination of public marine and coastal policies of the Inter Counties Directorate for Marine East English Channel and North Sea, based in Le Havre. Van der Putten has been responsible for successfully implementing the European Union and national

policies on the East English Channel and North Sea façade, as well as fostering knowledge of the sea and coastline. He has also insured consistency in public policy at sea and along the coast by providing local support to ministerial and state authorities. He is also in charge of the secretariat of the governing bodies of the façade. His focus in 2012 is on implementing European Union policies—Marine Strategic Framework, Water Framework Directive, Natura 2000—and national policies—national strategy for the sea, marine protected areas, shoreline management, marine resources management, regulation of activities, and the constitution of

the Marine Façade Council and marine spatial planning. Previously, van der Putten held several positions in the north of France, including serving as assistant director of the State Technical Directorate for Environment in the county of Picardie, based in Amiens, working on the implementation of national environmental policies. He also worked as manager of maintenance for landscaped areas for the town of Saint-Quentin, as an adviser for local authorities in engineering in water management, and as landscape architect in charge of advising local authorities for space layout in Seine-Maritime. Van der Putten holds a specialized superior studies diploma in the science of management and administration of companies, a degree in landscape architecture from Landscape Architecture National Graduate School of Versailles, and a superior technician diploma in garden nursery business from the Agricultural and Horticultural Institute of Genech.



Eric Vogelbacher, captain in the U.S. Coast Guard, is the Chief of Planning, Resources, and Readiness at the Ninth District in Cleveland, Ohio, and oversees a \$35 million budget and the administration and readiness of 2,600 personnel at 77 units spread throughout the eight states in the Great Lakes region. Additionally, he oversees the

response planning for natural and manmade disasters on the Great Lakes and also handles emergency preparedness exercises. The focus of this work involves minimizing loss of life, reducing pollution, and helping the waterways reopen after catastrophic damage. He is also the assistant to Rear Admiral Michael Parks, the District Commander, on all matters regarding National Ocean Policy. In addition to management and planning positions, Vogelbacher has served in the maritime environment, enforcing fisheries regulations from the waters off of Florida to the waters off of Japan and Russia. Flying Coast Guard helicopters, he has rescued mariners in distress, detected hundreds of pollution incidents and teamed with other agencies to support marine science and conservation efforts. He earned a bachelor's of science from the U.S. Coast Guard Academy, an M.B.A. from Purdue University, and a master's degree in national security and strategic planning from the Naval War College.



John Weber has 15 years of experience in the environmental field, focusing on coastal and ocean management issues. He is currently the ocean planning director for the Northeast Regional Ocean Council, a partnership of New England states and federal agencies collaborat-

ing on ocean management issues, where he is providing strategic direction for the Northeast response to the National Ocean Policy, particularly the Coastal and Marine Spatial Planning Framework. He recently served as the ocean program manager for the Massachusetts Office of Coastal Zone Management, where he managed the development and implementation of the Massachusetts Ocean Management Plan, completed in late 2009. Weber's previous private- and public-sector experience included review of urban waterfront development and planning activities, dredging, coastal erosion, and wetland restoration projects. He has a B.S. in coastal geology from Long Island University and an M.S. in marine resource management from Oregon State University.



Sandra Whitehouse is senior policy advisor for the Ocean Conservancy, currently the team lead for Conservancy's Coastal and Marine Spatial Planning program. She is a longtime environmental advocate and policy advisor who uses her expertise

in marine science to help shape environmental initiatives in Rhode Island and on the federal level. She has worked as an environmental consultant for the past 15 years, providing research, analysis, and advice on environmental policy issues to clients including the Rhode Island General Assembly and the Coastal States Stewardship Foundation. Whitehouse is a former chair of Rhode Island's Coastal Resources Management Council and has served on the boards of Save the Bay, the Nature Conservancy's Rhode Island chapter, the Metcalf Institute for Marine and Environmental Reporting, The Aquidneck Island Land Trust, Grow Smart Rhode Island, and the University of Rhode Island's Marine Advisory Council, among others. She is currently a member of the Advisory Board for the Consortium for Ocean Leadership. She holds a B.S. from Yale and a Ph.D. in biological oceanography from the Graduate School of Oceanography at the University of Rhode Island.



Darren Williams is manager of oceans policy for the Oceans and Species at Risk Branch of Fisheries and Oceans Canada. He has an interdisciplinary background with specializations in spatial planning and natural resources management obtained from the University of Ottawa and Simon

Fraser University in British Columbia, Canada. Serving as an environmental consultant from 1993 to 1998, Williams was the president of Environalysis Consulting, which provided environmental policy and program expertise to several agencies of the government of Canada as well as the Intergovernmental Oceanographic Commission of UNESCO. Key aspects of this work included the provision of support to the development of Canada's federal Oceans Act. In 1998, Williams joined Fisheries and Oceans Canada to assist in the establishment and coordination of a national Integrated Oceans Management Program for Canada. Over the past 15 years he has held numerous positions contributing to the design, planning, and management of Canada's marine environment and is currently the manager of the Ocean Policy and Planning unit within the Ecosystems Programs Policy Directorate.



Sally Yozell is NOAA's director of policy and senior advisor to the undersecretary of commerce for oceans and atmosphere. She oversees a team who develops and evaluates policies, strategies, budgets, and long-range plans for the administration's initiatives as well as improvements to exist-

ing programs. Yozell also leads NOAA's policy efforts on priorities such as National Ocean Policy, Marine Planning, Renewable Energy Development, and the South Florida Everglades Restoration. She also helps coordinate NOAA's regional programs and supports the annual budget development and analysis by linking budget decisions to policy priorities. Prior to coming to NOAA, Yozell was the director of marine conservation at The Nature Conservancy in the Eastern United States, where she oversaw the development of an integrated, science-based marine ecological assessment of the northwest Atlantic Ocean. For the past decade, she served as a member of the Stellwagen Bank National Marine Sanctuary Advisory Committee. Prior to this, Yozell served in the private sector as vice president for program development and Management at the Battelle Memorial Institute. From 1994–2000, she served

as the deputy assistant secretary at NOAA. Yozell holds a master's degree in public administration from Harvard University's Kennedy School of Government and a bachelor's in political science from the University of Vermont.



Jim Ziolkowski retired from the U.S. Coast Guard in 2011 as a chief warrant officer with over 30 years of service. He is employed by Booz Allen Hamilton, supporting U.S. Coast Guard Atlantic Area Prevention Division's Coastal and Marine Spatial Planning and Marine Transportation System activities, by developing plans and

strategies for the Coast Guard to support National Ocean Policy efforts. During his Coast Guard career he served at three small boat stations providing training on operations, safety and conducting law enforcement activities. He also served on two Coast Guard cutters conducting waterway management and law enforcement operations. Staff positions include duties as an instructor, cutter platform manager, policy and training specialist, and waterway management specialist. Ziolkowski co-authored a security boardings article in the *Coast Guard Proceedings* magazine and has earned numerous personal awards for his service.



Kate Zultner is the consistency and coastal management program policy coordinator for the Texas General Land Office Coastal Resources Division in Austin. Zultner conducts federal and state consistency reviews for the coastal management

program (CMP) and serves as liaison to NOAA and other state agencies on matters relating to the administration of the CMP program. She also works on Texas's CMP CMSP efforts. Previously, she served as the policy coordinator for the Coastal States Organization (CSO) in Washington, D.C. While at CSO, she worked on coastal and marine renewable energy issues in the coastal states in addition to regional Integrated Ocean Observing Systems. Zultner serves as the land office's representative on the Galveston Bay Council and participates on the Gulf of Mexico Alliance's Ecosystem Integration & Assessment Priority Issue Team as well as on the NOAA-led Coastal and Marine Spatial Planning Gulf Team. She is a graduate of Boston University in environmental analysis and policy with a minor in marine biology.