



Climate Change Vulnerability Assessment

July 31-August 2, 2012

National Conservation Training Center

Speaker Biosketches

Patty Glick, Senior Global Warming Specialist, National Wildlife Federation, Seattle, WA
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Patty Glick is Senior Climate Change Specialist at the National Wildlife Federation (NWF). She has been dedicated to the issue of climate change for more than 18 years and has played an important role in educating a diverse constituency of Americans about the issue, as well as developing and promoting meaningful policy solutions. For the past ten years, Ms. Glick has been instrumental in helping NWF build a targeted grassroots global warming campaign, recognizing the critical importance of bringing the issue of global warming "home" to people in order to galvanize them toward action. Much of her work has focused on translating the science of global warming and its impacts on fish and wildlife into creative and understandable outreach tools, including the award-winning Gardener's Guide to Global Warming. She has also led major research studies on the impacts of sea-level rise on U.S. coastal habitats, including major areas of Florida, the Pacific Northwest, and the Chesapeake Bay region and has participated in several governor-appointed working groups to develop state-based climate change adaptation strategies. In 2007, Ms. Glick was one of 23 women around the world named as "An outstanding woman working on climate change issues" by The World Conservation Union (IUCN), and she was recognized by The Wildlife Society as "Today's Wildlife Professional" in The Wildlife Professional, Fall 2008. Prior to joining NWF, Ms. Glick served two years as a Senior Fellow for the Sierra Club in Washington, D.C., where she worked with the Club's Global Warming and Energy Program to study the economic and social costs of climate change. She has also conducted policy-related analysis of U.S. energy markets for The Alliance to Save Energy and worked as a transportation and energy economist for the Montana Department of Natural Resources and Conservation. Ms. Glick received an M.S. degree in economics from the University of North Carolina in Chapel Hill and a B.A. from Sweet Briar College in Virginia, where she was class Valedictorian.

John Tirpak, Ph.D., Science Coordinator, Gulf Coastal Plains & Ozarks Landscape Conservation Cooperative - US Fish and Wildlife Service, USGS – National Wetlands Research Center, Lafayette, LA
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Dr. John Tirpak is the Science Coordinator for the Gulf Coastal Plains & Ozarks Landscape Conservation Cooperative. John is employed by the US Fish and Wildlife Service; is stationed at the USGS's National Wetlands Research Center in Lafayette, LA; and works on behalf of a private, state, and federal conservation partnership that exists to define, design, and deliver landscapes capable of sustaining natural and cultural resources at desired levels now and into the future. John leverages science and

technology towards that mission – focusing on the facilitation and coordination aspects of partner-based conservation. John is an experienced landscape modeler having previously served as Science Coordinator of the Lower Mississippi Valley Joint Venture following a post-doc at the University of Missouri where he worked on landscape-scale HSI models for birds. John received his PhD from Fordham University in the Bronx, NY while working on ruffed grouse in the Appalachians. He received his MS from California University of Pennsylvania and his BS from West Virginia University.

Patrick Crist, Ph.D., Director of Conservation Planning and Ecosystem Management, NatureServe, Boulder, CO

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Dr. Patrick Crist oversees a variety of programs including conservation planning, the EBM Tools Network, and the NatureServe Vista decision support software. His work includes development of methods and toolkits to fit organizations planning needs and works with clients and partners to conduct ecological assessments and integrated planning for areas ranging from local government jurisdictions to large regions. Specific to climate change, Dr. Crist led development of the Refuge Vulnerability Assessment and Adaptation guidance for the USFWS and has conducted vulnerability assessment and adaptation planning for areas as diverse as coastal areas in northern California, Texas, South Carolina, and Virginia; and interior west areas in the Mojave Desert and the Colombia Basin. He previously worked as a landscape architect and national coordinator for the USGS Gap Analysis Program and brings unique breadth and sense of scale to his work.

Michael Osland, Ph.D., Research Ecologist, U.S. Geological Survey, National Wetlands Research Center, Lafayette, LA mosland@usgs.gov

Dr. Michael Osland is a Research Ecologist at the USGS National Wetlands Research Center. He is also a member of the conservation science staff of the Gulf Coastal Plains and Ozarks Landscape Conservation Cooperative. Michael's research focuses upon the response of wetland ecosystems to changing conditions (e.g., hydrologic change, land use change, climate change, management) and the implications for ecosystem conservation and restoration. Most recently, he has been investigating the ecological implications of winter climate change-induced mangrove forest range expansion in the southeastern U.S. Michael studied at Willamette University (B.A., Biology, 2000) and Duke University (Ph.D., Ecology, 2009). Prior to starting with the USGS in 2011, Michael was a postdoctoral researcher at the U.S. EPA's Gulf Ecology Division (2009-2011), a Fulbright Fellow in Costa Rica (2006-2007), and a Peace Corps Volunteer in El Salvador (2000-2003).

Paul F Wagner, Ph.D., Ecologist at the Institute for Water Resources, USACE, Alexandria VA.

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Dr. Paul Wagner is an ecologist and manager with the USACE Institute for Water Resources (IWR). Paul's work at IWR addresses a variety of technical and policy related questions in the areas of decision support, climate change, conservation and planning, and integrated water resources management. In addition to his technical work, Paul also supervises an interdisciplinary group of subject matter experts also engaged in water resources related issues. Paul participates in a number of domestic and international interagency workgroups including a number of climate related workgroups; this includes the Climate Smart Adaptation workgroup. Paul was formerly a research ecologist in EPA's Office of Research and Development, and a conservation biologist for The Nature Conservancy.

Danielle LaRock, Applied Landscape Conservation Assistant Course Leader, NCTC, Shepherdstown, WV
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Danielle LaRock is a 2011 Presidential Management Fellow, serving in the Applied Landscape Conservation team at the National Conservation Training Center with the U.S. Fish and Wildlife Service. She leads courses on structured decision making, climate change, and works to integrate emerging priorities within the USFWS into courses across NCTC curricula. Danielle recently completed her M.S. in environmental science at Louisiana State University, investigating the effects of Hurricane Katrina on quality of life and environment in New Orleans, LA. Danielle has been an environmental activist since personally witnessing the devastating social and environmental impacts of Hurricane Katrina. She is passionate about education and scientific research pertaining to the management of environmental issues, especially climate change.