



NCER 2016

National Conference on Ecosystem Restoration
Ecosystem Restoration in Action

April 18-22, 2016 | Coral Springs, FL USA

www.conference.ifas.ufl.edu/NCER2016

Monday, April 18, 2016	
7:00am- 5:00pm	<p style="text-align: center;"><u>Optional Pre-Conference Field Trip to LILA</u></p> <p style="text-align: center;"><i>[Morning refreshments will be served at 7am. The bus loads at 7:45am and departs for LILA promptly at 8am from the Conference Center Entrance.]</i></p>
3:00pm - 6:00pm	<p style="text-align: center;">Conference Registration Opens Move-in of Sponsor Displays and Poster Presentations</p>
Tuesday, April 19, 2016	
7:00am- 6:00pm	<p style="text-align: center;">Conference Registration Open</p>
7:00am- 8:00am	<p style="text-align: center;">Early Morning Refreshments in Poster Hall</p>
8:00am-10:00am	<p style="text-align: center;"><u>Opening Plenary Session</u> [Great Cypress & Royal Poinciana]</p> <p style="text-align: center;"><u>Opening Remarks - Conference Co-Chairs</u> Rob Daoust, Associate Vice President, Arcadis -and - Andrew (Andy) LoSchiavo, Adaptive Management Coordinator and Senior Biologist, Planning and Policy Division, Environmental Branch, South Florida Section, U.S. Army Corps of Engineers - Jacksonville District, Jacksonville, FL</p> <p style="text-align: center;"><u>Welcome Address</u> Jack M. Payne, Senior Vice President of Agriculture and Natural Resources, University of Florida/IFAS, Gainesville, FL</p> <p style="text-align: center;"><u>PANEL: The Restoration Story Part One - Setting the Stage</u> Federal and State Large Scale Ecosystem Restoration – Implementation, Political Challenges and Lessons Learned</p> <p>ORGANIZER: Andrew (Andy) LoSchiavo, Adaptive Management Coordinator and Senior Biologist, Planning and Policy Division, Environmental Branch, South Florida Section, U.S. Army Corps of Engineers - Jacksonville District, Jacksonville, FL</p> <p>FACILITATOR: Donald Boesch, Professor of Marine Science and President, University of Maryland Center for Environmental Science, Cambridge, MD</p> <p style="text-align: center;"><u>PANELISTS:</u></p> <p>Shannon A. Estenoz, Director, Office of Everglades Restoration Initiatives, U.S. Department of the Interior, Davie, FL Rainer Hoenicke, Deputy Executive Officer, Science Program, Delta Stewardship Council, Sacramento, CA Alan D. Steinman, Director, Robert B. Annis Water Resources Institute (AWRI), Grand Valley State University, Muskegon, MI Ann Swanson, Executive Director, Chesapeake Bay Commission, Annapolis, MD Mark R. Wingate, Deputy District Engineer for Programs and Project Management Executive Office, New Orleans District, U.S. Army Corps of Engineers (USACE), New Orleans, LA</p>
10:00am- 10:30am	<p style="text-align: center;">AM Refreshment Break in Poster Hall</p>

Tuesday, April 19, 2016					
Concurrent Sessions — 10:30am - 12noon					
	Session 1	Session 2	Session 3	Session 4	Session 5
	Large-Scale Ecosystem Restoration Planning	Challenges and Science Needs of Managing and Conserving Habitat in the Northern Everglades	Use of Oysters as Living Shorelines for Coastal Protection	Evaluating Restoration Through Experimental Replication of Ecological Processes	Ecosystem Restoration in the Columbia River Basin
	Great Cypress	Royal Poinciana	Ibis	Egret	Sandpiper
	Ryan Clark	Nick Aumen	Cameron Morris	Mark Hester	Gary Johnson
10:30am	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview
10:40am	Robert Summers Development of a Large-Scale Restoration Plan for Rio De Janeiro's Guanabara Bay Based on Maryland's Chesapeake Bay Experience	Brian Benscoter LeRoy Rodgers Donatto Surratt Rebekah Gibble This panel session is the A.R.M. Loxahatchee National Wildlife Refuge Annual Science	Peter Frederick Effects of Durable Substrate on Establishment of Oyster Populations, Reef Elevations, and Aquatic Bird Use in the Big Bend of Florida	Michael Manna Active Marsh Improvement: A Decade of Rehabilitating Cattail Impacted Areas	Ben Zelinsky Applying Research, Monitoring, and Evaluation to Habitat Restoration in the Columbia Basin
11:00am	Mindy Simmons Ecosystem Restoration and the US Army Corps of Engineers: What Does the Future Hold?	Workshop. The invited panel will discuss varying aspects of managing the refuge to support the USFWS mission and trust species.	Kari Servold Implementing Low-Crested Artificial Oyster Reef Breakwaters into Restoration Practice	David Potter Habitat Rehabilitation and Enhancement Projects and the Models Used to Justify Them for the Upper Mississippi River Restoration Program, Pools 1 through 10	Gary Johnson Effectiveness of a Channel Habitat Reconnection in Tidal Freshwater of the Columbia River: Sandy River Delta
11:20am	Jessica Henkel Gulf Coast Ecosystem Restoration Council: Holistic Restoration Approached Watershed by Watershed		Erin Hague Mulberry Phosphate Trustees Achieve Oyster Reef Restoration in Hillsborough Bay, Florida	Christa Zweig Active Management in Support of Ecosystem Restoration	Heida Diefenderfer Roles of Critical Uncertainties Research in Large-Scale Restoration: Examples from the Columbia Estuary Ecosystem Restoration Program
11:40am	Estelle Wilson Gulf County Restore Act Multi-Year Implementation Plan: Restoration Planning Through Structured Decision Making		Taylor Sloey Maximizing Shoreline Protection Using Vegetation and Artificial Oyster Reef Structures: Lessons Learned	Dendy Lofton Reintegrating Nature in a Dense Urban Environment: Restoration of Waller Creek	Kate Buenau The Role of Evidence in Adaptive Management: Examples from the Missouri River and Columbia River Estuary Restoration Programs
12noon-1:30pm	Lunch Buffet Provided [Buffet stations and seating are in the poster hall, grand ballroom foyer, and the restaurant. A Vegan Station is in the Lobby Atrium.]				

Tuesday, April 19, 2016					
Concurrent Sessions — 1:30pm - 3:00pm					
	Session 6	Session 7	Session 8	Session 9	Session 10
	Advancing Louisiana Coastal Restoration Using Work-In Kind and Cross-Crediting Legislation	Use of Adaptive Management to Enhance Restoration of the Chesapeake Bay Ecosystem	Restoring Alabama's Coast	Lessons Learned to Enhance Restoration	Southern Everglades Restoration Progress
	Great Cypress	Royal Poinciana	Ibis	Egret	Sandpiper
	Mark Wingate	Scott Phillips	Chris Warn	Rob Daoust	Patrick Pitts
1:30pm	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview
1:40pm	Darrel Broussard US Army Corps of Engineers Perspective: Opportunities and Challenges of Implementing Coastal Restoration Work-In Kind and Cross-Crediting Legislation	Carin Bisland Overview of the Chesapeake Bay Watershed Agreement	Roberta Swann Regional Challenges, Regional Solutions: A Watershed Approach	Tom St. Clair Using Lessons Learned to Build a Robust Adaptive Management Plan for Large-Scale Ecosystem Restoration Programs	Janet Starnes Hydrological and Ecological Benefits Observed from the Picayune Strand Restoration Project
2:00pm	Bren Haase State of Louisiana's Perspective of Advancing Coastal Restoration Using Work-In Kind and Cross Crediting Legislation	Carl Hershner Use of Decision Framework to Formulate the Chesapeake Agreement and Management Strategies	Bret Webb The Importance of Ecology and Engineering in Coastal Restoration: Lessons Learned in Alabama	Joanna Eyquem The Economic Value of Establishing Freedom Space for Rivers	Bahram Charkhian Restoration Benefits Observed from the Biscayne Bay Coastal Wetlands Project
2:20pm	James T. B. Tripp Mississippi River Delta Restoration, Corps-State Relations and WRDA Crediting	Doreen Vetter Developing Indicators to Assess Progress and Environmental Conditions Related to Chesapeake Bay Agreement Outcomes	Just Cebrian Restoring Coastal Alabama: Different Approaches for Different Needs	Kathleen Sealey Coastal Wetland Restoration to Enhance Fisheries Production and Flood Resilience: The Victoria Pond Eco-Hydrology Project, the Bahamas	Jerome Lorenz Estuarine Fish and Submerged Aquatic Vegetation Response from the C-111 Spreader Canal Western Project
2:40pm	Mitch Marmande Aligning Programs and Policies to Facilitate Priority Project Implementation: A Local Sponsor's Perspective	Scott Phillips Providing Science to Support Decision Making for the Chesapeake Ecosystem	Justin Barrett Restoring Alabama's Coast	Doug Partridge Ecological Valuation of Alternatives and Assessment of Mitigation Requirements – U.S. Army Corps of Engineers, New York District's Hurricane Sandy Coastal Recovery Planning	Christopher Madden Ecological and Hydrological Response of Florida Bay to the C-111 Spreader Canal Western Project
3:00pm-3:30pm	PM Refreshment Break in Poster Hall				

Tuesday, April 19, 2016					
Ted-Style Concurrent Sessions — 3:30pm - 5:00pm					
	Session 11	Session 12	Session 13	Session 14	Session 15
	Surviving in a Changing Environment – What Can the Paleo-record Tell Us About Resiliency	The Intersection and Interactions Between Ecosystem Restoration and Mercury Contamination	Policy, Planning and Permitting for Tethered Coastal, Estuarine and Marine Restoration	Assessment, Placement, and Maintenance of Large Wood in Fluvial Ecosystems	Miami Harbor Phase III Federal Channel Expansion: Monitoring and Mitigation
	Great Cypress	Royal Poinciana	Ibis	Egret	Sandpiper
	Lynn Wingard & Christopher Bernhardt	David Krabbenhoft	Thomas Ankersen	Leo Lentsch	Robert Baron
3:30pm	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview
3:40pm	Michal Kowalewski Paleoecological Perspective on Ecological Resilience: The Youngest Fossil Record as a Historical Archive of Ecosystems	Lisamarie Windham-Myers Reconciling Coastal Wetland Restoration With Methylmercury Exposure: How Does San Francisco Bay Compare To Other Estuaries?	Aubree Hershorin Restoration by Design: The USACE Regional Sediment Management Program	Willis McConnaha Ecological Considerations Associated with Large Wood in Streams and Rivers	Martha Robbart Seagrass Monitoring at Two Different Sites for the Miami Harbor Phase III Federal Channel Expansion Project
3:50pm	Evelyn Gaiser Combining Paleoecological, Observational and High-frequency Information Sources to Improve Predictions of Ecosystem Resilience	James Hurley Understanding Mercury Sources to The Great Lakes Using Stable Isotopes: Critical Information For Restoration Planners	William Lindberg Restoring and Enhancing Life History Habitats Through Large Area Permitting	Tim Abbe The Role of Wood in Fluvial Geomorphology	Michael Barnett Julia Tuttle Seagrass Mitigation Site - Restoration of a Historic Dredge Hole in Biscayne Bay, Florida
4:00pm	Letitia Grenier Taking Some Pointers from Eden: How Analyzing the Past Can Help Us Envision a More Resilient Future	Carrie Austin Role of Ecosystem Restoration in Addition to Mercury Pollution Controls in California Reservoirs	Robert Swett The Regional Waterway Management System: Incorporating Restoration into a General Permit for Maintenance Dredging	Jock Conyngham Watershed-Scale and Long-Term Consideration in Restoring Large Wood to Riverine Ecosystems	Mark Fonseca Seagrass Transplantation at the Julia Tuttle Seagrass Mitigation Site
4:10pm	Robert Johnson Defining everglades Restoration Targets: Using Our Knowledge of the Past to Create a Sustainable Future	Jacob Fleck Mercury Source Complexity Challenges The Modalities Of Mercury Management And Regulation In The Sacramento-San Joaquin Delta	Amy Langston Natural Resource Adaptation Action Areas: A Planning Framework for Restoration	Doug Shields Engineering Considerations for Placing Wood in Streams and Rivers	Jesse Davis Miami Harbor Mitigative Artificial Reef
4:20pm	Discussion	William Orem The Role of Sulfur in Methylmercury Contamination	Thomas Ankersen Conceptual Permitting: Adapting Florida's Approach to Long-term, Large Scale Permitting to Restoration	David Bandrowski Large Wood Precision Prototyping and 3D-Hydraulic Modeling to Evaluate River Processes and Enhance Engineering Guidelines	Anne McCarthy Coral Relocation and Advanced Compensatory Mitigation
4:30pm		George Aiken Dissolved Organic Matter and Mercury: Implications for Ecosystem Restoration	Discussion	Leif Embertson Risk Considerations Associated with Placing Wood in Streams and Rivers	William Precht Deciphering Between Project-Related and Regional Impacts to Coral Reef Communities Near the Miami Harbor Dredging Project - The Science Behind the Story
4:40pm		Discussion		Discussion	Discussion
5:00pm - 7:00pm	Poster Session One & Networking Reception <i>(To allow for greater interaction and ease of discussion, presenters located at odd numbered boards are to stand at their posters from 5:30pm - 6:15pm. Presenters located at even numbered boards are to stand at their posters from 6:15pm - 7pm.)</i>				

Wednesday, April 20, 2016	
7:00am-5:30pm	Conference Registration Open
7:00am-8:00am	Early Morning Refreshments in Poster Hall
8:00am-10:00am	<p><u>Plenary Session</u> [Great Cypress & Royal Poinciana]</p> <p><u>PANEL: The Restoration Story Part Two: Linking Science to Decision Making & Governance</u></p> <p>FACILITATOR: Neil Santaniello, Florida Atlantic University (FAU), School of Communication and Multimedia Studies, Boca Raton, FL</p> <p>ORGANIZERS: Nicholas G. Aumen, Regional Science Advisor - South Florida, US Geological Survey, Davie, FL <i>-and-</i> Matt Grabau, Sonoran Institute, Tucson, AZ</p> <p><u>PANELISTS:</u></p> <p>Alyssa Dausman, Science Director, Gulf Coast Ecosystem Restoration Council, Bay Saint Louis, MS Suzette M. Kimball, Director, US Geological Survey, Reston, VA Susan Newman, Senior Scientific Section Lead, Everglades System Assessment Section, South Florida Water Management District (SFWMD), West Palm, FL Jennifer Pitt, Director, Colorado River Project, National Audubon Society, Boulder, CO Mike Shriberg, Great Lakes Regional Executive Director for the National Wildlife Federation, Merrifield, VA</p>
10:00am-10:30am	<p>AM Refreshment Break in Poster Hall (Attention Session One Poster Presenters: Please remove your poster during the break.)</p>

Wednesday, April 20, 2016					
Concurrent Sessions — 10:30am - 12noon					
	Session 16	Session 17	Session 18	Session 19	Session 20
	Opportunities and Challenges of Measuring Ecosystem Service Benefits for Federal Decision Making	Leaving a Legacy in the Florida Panhandle	Ecological Restoration Implementation in South Florida using Regional/Sub-regional Modeling Tools	Improving the Quality and Reliability of Data Collected for Ecological Restoration Projects	Decision Analysis in Support of Ecosystem Restoration
	Great Cypress	Royal Poinciana	Ibis	Egret	Sandpiper
	Lisa Wainger	Cheryl Ulrich	Fahmida Khatun	Craig Palmer	Christy Foran
10:30am	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview
10:40am	Elizabeth Murray The Need for Scalable, Robust Tools and Benefit Indicators, and Current Tool Availability	Grover Robinson Warren Yeager Sheree Keeler Bryon Griffith After years of litigation, BP reached a settlement from the 2010 Deepwater Horizon oil spill in July 2015. A panel of key Florida Panhandle leadership will highlight lessons learned from trying to leverage RESTORE, NRDA and NFWF funding sources, working with the Department of Treasury during the grant application process and ensuring this once of a lifetime opportunity to truly make a difference for the Panhandle region is optimized.	Kiren Bahm & Amy Cook Application of the MIKE Marsh Model of Everglades National Park (M3ENP) to Evaluate Restoration Alternatives	Louis Blume Can We Obtain Reliable Data When Implementing Ecological Restoration Projects?	Christine Shepard Building Coastal Resilience in the Gulf of Mexico: Decision Support Tools for Assessing the Costs and Effectiveness of Ecosystem Restoration
11:00am	Jeff Kline Evaluating Ecosystem Goods and Services in National Forest Planning: Balancing Rigor and Efficacy		Sandeep Dabral An Application of the Northern Everglades Simulation Model (NERSM) to the St. Lucie and Caloosahatchee River Watersheds to Evaluate Measures that Will Improve Hydrology and Water Quality Within the Study Area	Timothy Lewis Zen and the Art of Ecosystem Restoration: Assessing Precision and Accuracy in the Lab and Field	Christy Foran Decision Analytical Tools in Support of Restoration
11:20am	Frank Casey & Emily Pindilli Valuing Ecosystem Services: The US Geological Survey Experience		Angela Montoya Application of the Northern Palm Beach County Version of the Lower East Coast Subregional Hydrologic Model (LECSR-NP) to Determine Interim Restoration Benefits for the Northwest Fork of the Loxahatchee River	Marty Boote Wetland Dams Removal: A Case Study for Monitoring in a Complex Non-Wadable River	Michael Runge Using Multicriteria Decision Analysis to Explore Management Options in the Grand Canyon
11:40am	Lisa Wainger Lessons Learned from Valuing Ecosystem Service Benefits of Invasive Plant Control		Fahmida Khatun Application of the Regional Simulation Model to the Everglades and Lower East Coast for the Modified Water Deliveries and C-111 South Dade Projects	Lynde Dodd Dallas Floodway Extension Lower Chain of Wetlands and Grasslands: A Case Study of the Adaptive Management Approach in Ecosystem Restoration	Cecilia Mancini Learnings from Implementation of a Comprehensive Monitoring Program in the South River
12noon - 1:30pm	Lunch Buffet Provided [Buffet stations and seating are in the poster hall, grand ballroom foyer, and the restaurant. A Vegan Station is in the Lobby Atrium.] [Attention Session Two Poster Presenters: Please put your posters up during the lunch break.]				

Wednesday, April 20, 2016					
Concurrent Sessions — 1:30pm - 3:00pm					
	Session 21	Session 22	Session 23	Session 24	Session 25
	Balancing Multiple Objectives and Interests: Recent Experiences with Large West Coast Water Projects	Creating and Fostering a State-based Aquatic Ecological Restoration Initiative	RECOVER Everglades System-wide Monitoring Results Part One	Building Community and Ecosystem Resilience through Restoring Landscape Connectivity	Using Physical Models to Manage Uncertainty Part One
	Great Cypress	Royal Poinciana	Ibis	Egret	Sandpiper
	Judy McCrea	Bethanie Walder	Andy LoSchiavo	David Hanson	Fred Sklar
1:30pm	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview
1:40pm	Anne Morkill Large Scale and Long Term: The Role of Science and Collaboration in Large Ecosystem Restoration Projects	Paul Davis Tim Purinton Samantha Woods This panel will focus on the structural support systems needed to bolster an ambitious, landscape-scale ecosystem restoration initiative. Panelists will draw upon examples in Massachusetts where the essential components of support are in place and how controversial and complex projects, such as dam removals, can move forward given the network of support.	April Patterson System-wide Science Coordination and Reporting	Brian Murphy Creating Resiliency in Urban Streams: Restoration and Floodplain Reconnection	Carlos Coronado-Molina Tree Islands as Physical Models of Nutrient Sequestration
2:00pm	Judy McCrea Integrating Ecosystem Restoration and Flood Risk Management Along the South San Francisco Bay Shoreline		Paul Conrads Computing Water-Level Gradient Vectors to Assess System Changes in Sheet Flow and Direction	Peter Murdoch Practical First Steps in Understanding and Measuring Changes in Coastal Resilience: The DOI Hurricane Sandy Response Program	Tiffany Troxler Mesocosms for Estimating Climate-Change-Induced Peat Collapse
2:20pm	Scott Miner Federal Investment in the California Bay-Delta: Opportunities and Challenges		Pablo Ruiz The Everglades National Park and Big Cypress National Preserve Vegetation Mapping Project	Justin Bousquin Benefit Indicators to Promote and Prioritize Wetlands Restoration	Colin Saunders How Does DPM Help Move Everglades Restoration Forward?
2:40pm	Sara Schultz Balancing Life Safety with Ecological Health and Economic Sustainability: Challenging the Status Quo in the Sacramento River Valley and Delta		Jay Sah Recent Hydrologically-driven Vegetation Succession in Shark River Slough, the Southern Compartment of the Everglades Ridge and Slough Landscape	David Hanson Decision Support Framework for Restoring Landscape Connectivity and Enhancing Resilience as Part of Gulf Coast Ecosystem Restoration	Erich Mueller Science-Based Strategies for Experimental Flooding in Grand Canyon
3:00pm-3:30pm	PM Refreshment Break in Poster Hall				

Wednesday, April 20, 2016					
Concurrent Sessions — 3:30pm - 5:00pm					
	Session 26	Session 27	Session 28	Session 29	Session 30
	Louisiana's 2017 Coastal Master Plan: Building on Our Commitment to Protect and Restore Our Coast	Approaches and Tools for Scientist-Decision Maker Collaboration and Actionable Science	RECOVER Everglades System-wide Monitoring Results Part Two	Large Aquatic Ecosystem Restoration Monitoring for Decision Makers: Targeting and Evaluating Success	Using Physical Models to Manage Uncertainty Part Two
	Great Cypress	Royal Poinciana	Ibis	Egret	Sandpiper
	Karim Belhadjali	Patricia Gorman	Stacie Auvenshine	Troy Pierce & Matt Harwell	Colin Saunders
3:30pm	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview
3:40pm	Karim Belhadjali Louisiana's Coastal Master Plan: Planning for an Uncertain Future	Jerry Kenny April Patterson Craig Fischenich Jennifer Pratt Miles This panel will examine approaches, tools, and structures for scientist and decision maker collaboration and actionable science. Panelists will share experience from the Comprehensive Everglades Restoration Program, Platte River Recovery Implementation Program, Glen Canyon Dam Adaptive Management Program, Missouri River Recovery Program, and the National Climate Change and Wildlife Science Center.	Chris Kelble Restoration Targets for Juvenile Sportfish in Florida Bay	Don Boesch Coastal Hypoxia in the Northern Gulf of Mexico: The Benefits of Long-term Study	Duncan Bryant Wave Attenuation by Vegetation: Role in Sediment Trapping and Retention
4:00pm	Mandy Green Louisiana's Coastal Master Plan: Modeling in a Systems Context		Laura Brandt Alligators, Hydrology, and Aquatic Fauna, Oh My! Integrating Ecosystem Responses	Troy Pierce Water Quality and <i>E. coli</i> Monitoring for a Gulf of Mexico Community's Restoration Decision Makers	Walter Wilcox Hydraulic Pulsing in Managed Wetlands to Identify Physical Parameters
4:20pm	Melanie Saucier Louisiana's Coastal Master Plan: Reducing Flood Risk and Increasing Community Resilience		Joel Trexler Food Webs, Interaction Webs, and Monitoring: Using a Trophic Conceptual Model to Select Ecological Indicators	Kevin Keeler Monitoring the Aquatic Environment of a Bi-national Connecting Channel (St. Clair-Detroit River System)	Ehab Meselhe Mississippi River Delta Management Study: Analysis and Evaluation of Proposed Land Building Strategies
4:40pm	Nick Speyrer Louisiana's Coastal Master Plan: Collaborative Decision Making and Stakeholder Engagement		Bruce Sharfstein Improving Lake Okeechobee Ecology	James Boase A Scientific Basis for Restoring Fish Spawning Habitat in the St. Clair and Detroit Rivers of the Laurentian Great Lakes	Fred Sklar The Role of LILA (Loxahatchee Impoundment Landscape Assessment) in Everglades Restoration
5:15pm - 6:00pm	<p>Meeting of the Large-Scale Ecosystem Restoration Section (LERS) of the Society for Ecological Restoration (SER) [Great Cypress & Royal Poinciana]</p> <p>MODERATOR: Ryan Clark, LERS President</p> <p>All NCER attendees involved in large scale restoration are invited to attend this session and learn how you can collaborate with the best and brightest from across the globe to advance ecosystem restoration. LERS provides a forum for exchanging ideas, approaches, lessons learned, and data relevant to the planning, policy, science, and engineering of large-scale ecosystem restoration programs. <i>Please join us!</i></p>				
6:00pm	Evening on Own				

Thursday, April 21, 2016	
7:00am-5:30pm	Conference Registration Open
7:00am-8:00am	Early Morning Refreshments in Poster Hall
8:00am-10:00am	<p style="text-align: center;"><u>Plenary Session</u> [Great Cypress & Royal Poinciana]</p> <p style="text-align: center;"><u>PANEL: The Story Continues: Ecosystem Restoration as a Tool for Enhancing Resiliency and Ecosystem Services</u></p> <p style="text-align: center;"><u>FACILITATOR & ORGANIZER:</u> Carl D. Shapiro, Chief, Science and Decisions Center, U.S. Geological Survey, Reston, VA</p> <p style="text-align: center;"><u>PANELISTS:</u> Sarah Ryker, Acting Deputy Assistant Secretary for Water and Science, Department of the Interior, Washington D.C. Metro Area</p> <p style="text-align: center;">Susan Wachter, Albert Sussman Professor of Real Estate, and Professor of Finance at The Wharton School of the University of Pennsylvania; Director for the Wharton GeoSpatial Initiative and Lab; Co-director, Penn Institute for Urban Research; and Co-director, Spatial Integration Laboratory for Urban Systems at the University of Pennsylvania</p> <p style="text-align: center;">David Waggoner, President, Waggoner and Ball, New Orleans, LA</p> <p style="text-align: center;">Lisa Wainger, Research Professor, University of Maryland, Center for Environmental Science, Solomons, MD</p>
10:00am-10:30am	AM Refreshment Break in Poster Hall

Thursday, April 21, 2016					
Concurrent Sessions — 10:30am - 12noon					
	Session 31	Session 32	Session 33	Session 34	Session 35
	Changing Course: Navigating the Future of the Lower Mississippi River	Innovative Ways to Restore and Enhance National Parks in Their Centennial Year	Biscayne Bay Coastal Restoration	Science Tools in Support of Restoration	Assessing Progress in Reducing Pollutant Loads to Chesapeake Bay
	Great Cypress	Royal Poinciana	Ibis	Egret	Sandpiper
	Michael Donahue	Sarah Barmeyer	Anna Wachnicka	Tomma Barnes	Joel Blomquist
10:30am	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview
10:40am	Alan Travers Changing Course: Navigating the Future of the Lower Mississippi River	Raymond Sauvajot Restoring Large Landscapes to Benefit National Parks	Joan Browder Rainwater Killifish in Nearshore Epifaunal Communities of Southern Biscayne Bay: Indicator of Ecosystem Change for South Florida Restoration Assessments	Stefanie Kroll Monitoring and Data Management to Inform Conservation in the Delaware River Watershed Initiative	Douglas Moyer Measuring Changes In Nutrient and Sediment Load in the Chesapeake Bay Watershed
11:00am	Rob Nairn Changing Course Design Competition: The Baird Team Solution - A Delta for All	Shannon Estenoz Everglades Restoration: Keys to Success	Henry Briceño High Tide on Miami Beach: A Peek into the Future of Biscayne Bay	Shaye Sable Comprehensive Aquatic Systems Model (CASM) for Evaluating Coastal Restoration Projects in Coastal Louisiana	Jeni Keisman Drivers of Change in Nutrient Inputs to the Chesapeake Bay Watershed: 1950-2012
11:20am	Jeff Shelden The Giving Delta: A 'Systems Approach' to a Consolidated and Sustainable Lower Mississippi River Delta	Ryan Valdez Utilizing Online Mapping Tools for Partnership Engagement	Sarah Bellmund Downstream Water Quality as an Indicator of Restoration Conditions and Ecosystem Change for Biscayne Bay	Eric Swain Comparing Physics-Based and Empirical-Statistical Methods of Representing Hydrology	Scott Ator Application of SPARROW Modeling to Understanding Water-Quality Trends in the Chesapeake Bay Watershed
11:40am	John Hoal The New MISI-ZIIBI Living Delta: An Eco 3D Approach to a Self Organizing Sustainable Delta	Kristen Hart Tracking Marine Turtles Throughout the Seascape Reveals Connections Among U.S. Parks and Protected Areas	Anna Wachnicka Microalgae as a Powerful Tool in Assessment of Ecological Health of Biscayne Bay Nearshore Habitats in Support of the Biscayne Bay Coastal Wetlands Restoration Project	Chris Bernhardt How the "Paleo" Record Can Assist Wetland Restoration in Light of Current Climate and Sea Level Change	Jimmy Webber Water-Quality Results From Three Chesapeake Bay Showcase Watersheds: Monitoring and Analysis Designed to Assess and Inform Restoration
12noon-1:30pm	Lunch Buffet Provided [Buffet stations and seating are in the poster hall, grand ballroom foyer, and the restaurant. A Vegan Station is in the Lobby Atrium.]				

Thursday, April 21, 2016					
Concurrent Sessions — 1:30pm - 3:00pm					
	Session 36	Session 37	Session 38	Session 39	Session 40
	Evaluating Climate Change Stressors on Ecosystem Restoration	Managing Freshwater Resources to Restore Coastal Ecosystems	Strategies to Address Endocrine Disruption in the Chesapeake Bay Watershed	Restoring Large Florida Farms to Wetlands Under the NRCS Agricultural Conservation Easement Program	Real-time Evaluation, Modeling, and Reporting of Ecosystem Restoration
	Great Cypress	Royal Poinciana	Ibis	Egret	Sandpiper
	Terry Doss	David Kaplan	Kelly Smalling	David Stites	Paul Conrads
1:30pm	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview
1:40pm	Don DeAngelis Coupled Vegetation Competition and Groundwater Simulation Model to Study Effects of Sea Level Rise and Storm Surges on Coastal Vegetation	Yongshan Wan Optimizing Freshwater Delivery Into Coastal Ecosystems With a Fuzzy Rule-based Operation Control Model	Patrick Phillips Endocrine Disrupting Compounds in the Chesapeake Bay Watershed - Where Are We Going and Where Should We Go?	J. Scott Kuipers Wetland Restoration Under the Agricultural Conservation Easement Program in Florida	Bryan McCloskey Real-time Evaluation Tools: Cape Sable Seaside Sparrow Habitat Viewer and Tree Island Inundation Monitoring
2:00pm	Peter Rubec Modeling to Assess Influence of Water Withdrawals on Estuarine Species in Charlotte Harbor, Florida	Beth Middleton Hydrologic Remediation to Revive Stressed Freshwater Species in Tidal Swamps	Vicki Blazer Biological Effects Monitoring to Identify Consequences of Exposure to Endocrine Disruptors	David Stites Ecological, Hydrologic, and Engineering Design Principles for ACEP-WRE Restoration Projects	Leonard Pearlstine Everglades Spatially-Explicit Hydrological Near-Term Forecasts for Ecological Modeling
2:20pm	Kimberly Artita and Heather Schwar Changing Hydrologic Conditions in the Mississippi River Basin: Implications for Restoration and Ecological Processes	Mark Zucker Evaluating Changes in Freshwater Flows into Florida Bay and the Coastal Estuaries of Southwestern Everglades National Park in Support of the Comprehensive Everglades Restoration Plan	Jennifer Brennan Effects Directed Analysis of Endocrine Disrupting Compounds in the Chesapeake Bay Watershed: An Important Step on the Road to Managing Fish Health in the Watershed	Jennifer Klich Case Studies of Ongoing NRCS Wetland Restoration Projects in Florida	James Beerens Multi-Species Management and Decision Support Using the Everglades Forecasting (EVERFOR) Application
2:40pm	Linnea Spears-Lebrun Response of Invasive Weeds in Southern California to the Historic California State-Wide Drought	David Kaplan Restored Oyster Reefs Enhance Estuarine Ecosystem Services	Yan Li Assessing the Impacts of Endocrine Disrupting Compounds on Fish Population Dynamics: A Case Study of Smallmouth Bass in Pennsylvania, USA	Scott Turgeon Long-Term Monitoring and Management of Restored Wetlands in Florida	Johnna Infanti Near Real-time Availability of the North American Multi-Model Ensemble: An Introduction
3:00pm-3:30pm	PM Refreshment Break in Poster Hall				

Thursday, April 21, 2016					
Concurrent Sessions — 3:30pm - 5:00pm					
	Session 41	Session 42	Session 43	Session 44	Session 45
	Using Science to Inform Conservation Decisions at a Landscape Scale	Collaborative Large-Scale Restoration Planning	Ecosystem Numerical Tools	Watch Us WIP, Now Watch Us Bay Bay: Delaware's Choreographed Approach to Chesapeake Bay Restoration	Intergovernmental Collaboration and Stakeholder Collaboration to Restore Ecosystems in the Southwest
	Great Cypress	Royal Poinciana	Ibis	Egret	Sandpiper
	Cynthia Kallio Edwards	Nanciann Regalado	Ehab Meselhe	Marcia Fox	Georganna Collins
3:30pm	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview
3:40pm	John Tirpak Establishing Explicit Biological Objectives to Guide Strategic Habitat Conservation for the Gulf Coast: Case Study with the Brown Pelican	Brenda Bachman Contributing to the Recovery of an Inland Sea: The Remediation and Restoration of Urban Rivers	Cameron Ainsworth Ecosystem Recovery Following the DWH Oil Spill Evaluated Using an End-to-end Model	Marcia Fox Delaware's Chesapeake Bay Watershed Implementation Plan (WIP): It's Not too Late to WIP It, WIP It Good!	Edmond Russo Regionally Integrated, Sustainable, and Resilient Development of Nationally Significant Water Resources on the Texas Coast
4:00pm	Steve Traxler Coastal Resilience and Landscape Conservation Design in SW Florida	Thomas Ries A New Era in Ecosystem Restoration - Public-Private-Partnerships (P3S), Use of Habitat Mitigation to Restore Large Scale Ecosystems	Scott Duke-Sylvester Modeling Landscape Scale Plant Community Response to Climate Change and Human Management	Brooks Cahall Not Your Father's Tax Ditch: Enhancing Delaware's Drainage Network Through the Use of Natural Channel Design Techniques	Georganna Collins Application of NRDA to Large Scale Restoration in Texas
4:20pm	Todd Jones-Farrand How Much Restoration & Where? Using Structured Decision Making to Turn Landscape Priorities Into Efficient Adaptation Strategies in the Ozarks	Marit Larson NYC Salt Marsh Assessment for Restoration and Resiliency Planning: Strategies for Identifying and Prioritizing Restoration Needs and Opportunities	Scott Hagen Assessing and Enhancing Salt Marsh Resiliency Under Climate Change for Fluvial vs. Marine Fed Systems	Melissa Hubert Reducing Nonpoint Source Pollution through Effective Ditch Management	Matt Grabau Binational Restoration Efforts to Revive the Colorado River Delta
4:40pm	Mark Woodrey Application of Structured Decision Making in Development of a Gulf-Wide Avian Monitoring Network	Jo Cullis Enhancement or Just Good Design? A Collaborative Approach to River and Wetland Restoration	Eric White Linking Downscaled Global Climate Models to Planning Level Ecosystem Models	Tyler Monteith Improving Soil Health One Grain at a Time: Innovative Cropland Methods to Increase and Track Cover Crops	Discussion
5:00pm-7:00pm	<p align="center">Poster Session Two & Networking Reception</p> <p align="center"><i>[To allow for greater interaction and ease of discussion, presenters located at odd numbered boards are to stand at their posters from 5:30pm - 6:15pm. Presenters located on even numbered boards are to stand at their posters from 6:15pm - 7pm. Please remove your poster displays at the end of the reception. Poster boards will be removed at 8pm.]</i></p>				

Friday, April 22, 2016	
7:30am-10:00am	Conference Registration Open
7:30am-8:30am	Early Morning Refreshments in Plenary Session Room <i>[Attention Sponsors: Please remove display materials from poster hall by 12noon.]</i>
8:30am - 9:00am	<p style="text-align: center;"><u>Plenary Session</u> Synthesis Discussion — The Essence of NCER 2016 -and- Annoucement of SER-LERS Student Competition Award Recipients</p> <p style="text-align: center;">Rob Daoust, Associate Vice President, Arcadis, NCER 2016 Conference Co-Chair <i>-and-</i> Andrew (Andy) LoSchiavo, Adaptive Management Coordinator and Senior Biologist, Planning and Policy Division, Environmental Branch, South Florida Section, U.S. Army Corps of Engineers - Jacksonville District, Jacksonville, FL</p>
9:00am-9:45am	<p style="text-align: center;"><u>CLOSING KEYNOTE PRESENTATION -</u> Carlton Ward, Jr., Conservation Photographer, Clearwater, FL <i>Sponsored by the University of Florida/IFAS Office of the Vice President for Agriculture and Natural Resources</i></p> <p>An environmental photojournalist with graduate training in ecology and anthropology, Carlton Ward aims to promote conservation of natural elements and cultural legacies. At home and abroad, he seeks stories where he can use photographs to make a difference. For his first book, <u>The Edge of Africa</u>, Carlton spent eight months in the tropical rainforests of Gabon, documenting the unseen wonders of life at the edge of the African continent. Beyond the value of scientific record, Carlton recognizes the power of photographs to influence public perceptions and inspire change. Conservation Photography is a window that sheds light on the people, places and issues that demand our collective attention so that together, we can ensure the survival of essential natural and cultural legacies.</p> <p>One of the most visible advocates for taking action now to provide the missing land and water links for cross-Florida wildlife corridors, Carlton will share photos from two 100-day expeditions across two proposed Florida wildlife corridors, highlighting the importance of connecting, protecting, and restoring corridors of conserved lands and waters essential for the survival of Florida's diverse wildlife.</p> <p>Don't miss this inspiring presentation and exquisite photography capturing the essence of natural areas in Florida and beyond — highlighting the very species, habitats, ecosystems, and entwined natural/human systems we are trying to restore, enhance, and maintain for future generations.</p>
9:45am-10:30am	Book Signing and Meet & Greet with Carlton Ward, Jr.
10:30am	<u>Depart for Optional Field Trip into the Everglades</u> <i>[The bus boards outside the conference center entrance at 10:15am, and departs promptly at 10:30am.]</i>
10:30am	CONFERENCE CONCLUDES Happy Earth Day!