

Detailed Agenda

Tuesday, February 25, 2020

Symposium Registration Open | 7:30am–5:30pm | Registration Foyer of Grand Ballroom

Early Morning Refreshments | Sponsors Move-In Displays | 7:30am–8:30am | Grand Ballroom

Opening Plenary Session

8:30am–10:00am | Grand Ballroom

Welcome and Announcements

Dr. Wendy Graham

Director, University of Florida Water Institute

Welcome Address

W. Kent Fuchs

President, University of Florida

Keynote Presentation

Water Quality Perspectives on Inland Harmful Algal Blooms

Bryan Brooks

Director, Environmental Health Science Program at Baylor University

Editor-in-Chief, Environmental Management

Morning Refreshment Break | 10:00am-10:30am | Grand Ballroom

Notes

Tuesday, February 25, 2020 (continued)

Concurrent Sessions | 10:30am – 12:00pm

Room 2365	Room 2330	Room 2320	Room 2340	Room 2325	Room 2335
Session 1	Session 2	Session 3	Session 4	Session 5	Session 6
Processes and Drivers of Physical and Ecological Change in the Floridan Aquifer and its Springs	Dams in the Amazon: Social-environmental Change in the World's Largest Watershed	Advances in Hydrologic Modeling to Evaluate Sustainability of Natural Water Systems and Water Supply	The Future of Florida's Urban Landscapes: Urban Landscape Design, Infrastructure, and Policy Strategies to Protect and Preserve Water Resources	Role of Wetlands in Nutrient Reduction and Retention	Public Engagement, Education and Outreach
Moderator	Moderator	Moderator	Moderator	Moderator	Moderator
Nathan Reaver University of Florida	David Kaplan University of Florida	Jeffrey Geurink Tampa Bay Water	Lisa Krinsky University of Florida	Mark Brenner University of Florida	Bruce MacFadden Thomas Earth Systems Institute
Andy Canion SJRWMD Using Multiple Tracers to Determine Wastewater Contributions to Groundwater in Springs Contributing Areas	Trey Crouch University of Florida Quantifying the Cumulative Effects of Climate Change, Upstream Development, and Large Dams on Hydrology and Sediment Flux in the Madeira River, the Amazon's Largest Tributary	Patrick Tara INTERA Sustainability Concerns for Florida Natural Water Systems and Water Supply Motivates Application of Advanced Modeling Technologies	Basil Iannone University of Florida Stormwater Pond Plantings as a Strategy for Improving Water Quality	Russel Frydenborg Frydenborg Ecologic Sweetwater Branch/ Paynes Prairie Restoration Project, Part 1: Stream Assessment and Water Quality Modeling	Andrea Albertin University of Florida 'After the Flush' Septic System Homeowner Education Program
Matthew Cohen University of Florida A General Hypothesis for Ecological Change in Florida's Springs	May Lehmensiek University of Florida The Dams and the Fishers- Occupational Change in Resource Dependent Communities	Tom Jobes SJRWMD Integrated Modeling for Environmental Evaluation Using ICPR Version 4	Michelle Atkinson University of Florida Planting Stormwater Ponds: Determining the Best Management Practices for Ornamental Plants in Buffer Zone Areas	Rick Hutton Gainesville Regional Utilities Sweetwater Wetlands Project, Part 2: Design, Construction, And Operation	Lee Hayes Byron UF/IFAS Extension Sarasota County Water Quality Summit: From Zero to 600 in 3 Months
James Jawitz University of Florida Disaggregating Landscape-Scale Nitrogen Attenuation	Roberta Mendonça De Carvalho University of Florida Hydropower Dams and Urbanization in the Brazilian Amazon – a Regional Analysis	Ron Basso SWFWMD Recent Improvements in Estimating Recharge for Large Regional Groundwater Flow Models in Florida	Mary Lusk University of Florida Gulf Coast Expanding the Use of Reclaimed Water in Florida's Urban Landscapes: Implications for Water Supply and Water Quality	Lauren Griffiths University of South Florida Nutrient Retention via Vegetative Uptake and Sedimentation in Created Wetlands in Subtropical Florida	Justina Dacey University of Florida Engaging Communities Using a Demonstration Living Shoreline
Sean King Wood Environment & Infrastructure Solutions, Inc. Are Changes in Ecological Drivers Inhibiting Submerged Aquatic Vegetation Restoration in Florida Spring Systems?	Alexandra Sabo University of Florida Assessing Green Governance in Practice: Conflict and Contradiction in Sustainable Hydropower Development in the Amazon	Jeffrey Geurink Tampa Bay Water Water Management Benefits of Fully Integrated Hydrologic Models	Michael Dukes UF/IFAS Center for Land Use Efficiency Technologies and Techniques Increase Landscape Irrigation Efficiency and Conserve Water	Bingbing Jang University of South Florida Estimating Importance of Hydrologic Conditions on Nutrient Retention by Wetland Mesocosm Systems in the Former Great Black Swamp	Bruce MacFadden University of Florida Scientist in Every Florida School: Engaging the Next Generation in Water Education
Robert Mattson SJRWMD Ecological Changes in Florida Springs over the Past Six Decades: Evaluation of the Evidence	Christine Swanson University of Florida Effects of Dams on Riparian Vegetation in the Amazon: Cumulative Impacts and Linkages to Hydrology	Renee Murch INTERA A Comprehensive Assessment of Changes to Flows and Levels Resulting from Reclaimed Water Aquifer Recharge Using an Integrated Model	Jovana Radovanovic University of Florida Evaluation of Water Use, Quantity, and Quality Effects of Amending Compacted Residential Soils with Compost	William Mitsch Florida Gulf Coast University Sustainably Solving Legacy Nutrients in Landscapes with Wetlands and Wetland Culture	Yilin Zhuang University of Florida Enhancing Private Well Water Safety Through Extension Outreach

Buffet Lunch | 12:00pm – 1:30pm | Grand Ballroom

Tuesday, February 25, 2020 (continued)

Concurrent Sessions | 1:30pm–3:00pm

Room 2365	Room 2330	Room 2320	Room 2340	Room 2325	Room 2335
Session 7	Session 8	Session 9	Session 10	Session 11	Session 12
Aquifer and Spring Systems	Impacts of Climate Change and Climate Variability on Water Resources	Water Resource Planning and Management	Urban Water Management 1	UF's iCoast Initiative: Advancing Multi-scale Sensing Systems for Coastal Environmental Health	Promoting BMP Adoption Through Education and Incentive Programs
Moderator	Moderator	Moderator	Moderator	Moderator	Moderator
Nathan Reaver University of Florida	Tom Bianchi University of Florida	Tatiana Borisova University of Florida	Mary Lusk University of Florida Gulf Coast	David Kaplan University of Florida	Kati Migliaccio University of Florida
Laura Bedinger Water & Air Research, Inc. Quantifying Macroalgae, Submerged Aquatic Vegetation, and Flow in Four Florida Spring-Fed Rivers	Beck Frydenborg Frydenborg Ecologic, LLC Adapting Assessment Tools and Water Quality Criteria for a Changing Climate	Tatiana Borisova University of Florida How Much Would It Cost to Meet Florida's Future Water Demand? Analysis of Proposed Project Options	Kayla Hess University of Florida Are Detention Ponds Protecting Urban Depressional Wetlands?	David Kaplan University of Florida iCOAST: A 21st Century Coastal Monitoring Network and Forecasting System	Damian Adams University of Florida Agricultural Producers' Willingness to Accept Payments for Improving Water Resources in the Florida Aquifer
Rick Copeland State of Florida Regional, Passive Saline Encroachment in the Floridan Aquifer System (1991-2011)	Steve Leitman Florida State University Climate vs Control: Is Flow in the Lower ACF Basin Controlled by Climate Variation of Human Decisions?	Mike Britt City of Winter Haven City of Winter Haven: One Water Master Plan	Steven Hohman University of Florida Quantifying Mechanisms Driving Nutrient Dynamics in Stormwater Ponds Across an Age Gradient	Peter Ifju University of Florida Integrating Sensors with Drones for Water Quality Surveys	Charles Barrett UF/IFAS Extension Improving Irrigation Decision Making Using Soil Moisture Sensors
Rob De Rooij University of Florida A Particle-Tracking Approach to Analyze the Age and Source Components During Transient Stream Flow Conditions	Tom Mirti Suwannee River Water Management A 500-Year Reconstruction of Mean Groundwater Elevations in North Central Florida	Kevin Morris Peace River Manasota RWSA Rotational Supply Management Provides a Bonus – Low Cost Safe Yield Increase	Megan Long Wood E&IS From Urban Canal to Natural Stream: Utilizing Stream Restoration Concepts to Improve Water Quality, Habitat, and Resilience	Todd Osborne University of Florida iCoast: Smart Indicators of Anthropogenic Contamination	Katherine English Pavese Law Firm Public Perception of Agriculture in the Context of Best Management Practices and Harmful Algal Blooms
Nathan Reaver University of Florida Deducing Dominant Drivers of Discharge Dynamics: Simultaneously Testing Multiple Causal Hypotheses of Changes in Spring Flow	Randall Parkinson RW Parkinson Consulting, Inc. Adaptation Actions to Reduce Impairment of Indian River Lagoon Water Quality Caused by Climate Change	Richard Marella U.S. Geological Survey USGS National and Local Programs in Water Availability and Use Research	Krista Stump UF/IFAS Extension Osceola County Low Impact Development Symposium Targets County Planners to Address Implementation Barriers and Improve Water Quality	Luming Shi University of Florida iCoast-Forecast: Coastal Hazard Forecast System	Tina McIntyre UF/IFAS Extension Seminole County Managing Nutrients in The Wekiva Springs Watershed: Provoking Behavior Change in Residential Fertilizer Users
Patricia Spellman University of South Florida The Importance of Process Representation for Simulating Coupled Surface-Groundwater Flow in Karst Watersheds: A Comparison of Swat, Swat-Modflow and Disco	Ziwen Yu University of Florida A New Understanding of the Relationship Between Precipitation and Temperature via Pressure Change Events and its Trend in Climate Change	David Pyne ASR Systems LLC Aquifer Storage Recovery: Efficient and Cost-Effective Applications to Achieve Florida's Water Management Goals	Abbey Tyrna UF/IFAS Extension Sarasota County Establishing the Condition of Florida Stormwater Ponds Using a Rapid Habitat Assessment	Christine Angelini University of Florida Using Marine Animals, Video Streams and Sewage Spill Alerts to Identify Threats to Coastal Human and Environmental Health	Tatiana Sanchez UF/IFAS Extension Alachua County Using Extension to Increase Adoption of Water-Saving Technologies on Farms

Afternoon Refreshment Break | 3:00pm–3:30pm | Grand Ballroom

Tuesday, February 25, 2020 (continued)

Concurrent Sessions | 3:30pm–5:00pm

Room 2365	Room 2330	Room 2320	Room 2340	Room 2325	Room 2335
Session 13	Session 14	Session 15	Session 16	Session 17	Session 18
Emerging Issues in Everglades Restoration	Impacts of Climate Change and Climate Variability on Aquatic Ecosystems	Challenges and Solutions to Water Resource Sustainability	Urban Water Management 2	Sources, Impacts and Management of Water Quality Degradation	Stakeholder Engagement in Water Issues
Moderator	Moderator	Moderator	Moderator	Moderator	Moderator
Mark Brenner University of Florida	Tom Bianchi University of Florida	Holly Henderson Duke Energy	Mary Lusk University of Florida Gulf Coast	Joseph Delfino University of Florida	Wendy-Lin Bartels University of Florida
Mark Rains University of South Florida Visioning the Future: Scenarios Modeling of the Florida Coastal Everglades	Micheal Allen University of Florida Northward Expansion of Common Snook in the Gulf Of Mexico with Future Research Needs	Ernie Cox Family Lands Remembered LLC Innovative Water Resources Projects Through Alternative Delivery Methods	Bernardo Cardenas University of Florida Irrigation Conservation Program Evaluation in Orange County, Florida	Masanori Fujimoto University of Florida Microbe Mediated Biogeochemical Cycles in a Coupled Forest and Aquatic System	Simone Athayde University of Florida Bridging the Science-Knowledge-Policy Gap to Address Cumulative Impacts of Small Hydropower Plants in the Brazilian Amazon
Hilary Flower Eckerd College Shifting Ground: Landscape-Scale Modeling of Biogeochemical Processes Under Climate Change in The Florida Everglades	Charles Martin University of Florida Evidence and Effects of Climate Change in Florida's Nature Coast	Jennison Kipp Searcy UF/IFAS Program for Resource Efficient Communities Conserving and Protecting Florida's One Water: Private, Public, and University Perspectives and Pathways	Matthew Deitch UF/IFAS West Florida Research and Education Center Can Residential Rainwater Harvesting Reduce Flooding in Florida?	Francesca Lauterman Wood Environment & Infrastructure Solutions, Inc. Paleolimnological Methods for Lake Management	Wendy-Lin Bartels University of Florida Managing Stakeholder Engagement Through Iterative Process Design and Facilitation: A Unique Role for Social Learning Research
Yogesh Khare Everglades Foundation Lake Okeechobee Nutrient Mass Balance and Trends: A 45-Year Analysis	Adam Siders University of Florida Abiotic and Biotic Controls on Aquatic Insect Emergence from Prairie Stream Refugia During Drought Conditions in a Tallgrass Prairie Stream	Carole Estes SWFWMD 15 Years of Water Conservation: Farms, a Public/Private Partnership Agricultural Cost Share Program	Stacie Greco Alachua County Alachua County's Turf Swap Landscaping Retrofit Program	Cathleen Jonas HSW Engineering, Inc. Development of an Aquifer Vulnerability Assessment Methodology for Source Water Protection	Tatiana Borisova University of Florida Challenges and Opportunities for Water Resource Protection in the Suwannee River Basins: Results from Stakeholder Discussions
Andrea Irons University of Florida The Timing of Fire and Flooding Interact to Affect Survival of Croton Linearis, A Rare Plant in Pine Rocklands	Mohsen Tootoonchi University of Florida Assessment of Salt Tolerance Threshold for Wetland Plants	Steven Noll University of Florida Water, a Common Enemy: Florida and Water in Historical Perspective	Maria Morera University of Florida Irrigation Water Use Patterns in Florida-Friendly Landscapes	Jeffrey King Applied Technology & Management Vertical Transport of Secondary Treated Wastewater from the Boulder Zone of the Floridan Aquifer System to an Underground Source of Drinking Water in Southeastern Florida: Simulation of Preferential Transport Through Karst Collapse Structures	Henrique de Paula ANEEL Participatory Hydropower Inventory Studies in Brazil - A Case Study
Satbyeol Shin University of Florida Climate Change Impacts on Natural and Managed Wetland Watersheds in The Western Everglades	Julie Walker University of Florida Effects of Changing Vegetation Composition on Community Structure, Ecosystem Functioning, and Predator-Prey Interactions at the Saltmarsh-Mangrove Ecotone	Laura Warner and Caleb Reed University of Florida Selecting Behaviors for Your Water Outreach Program: A Case Study from Volusia County, FL	Alexander Reisinger UF/IFAS Digging Holes in People's Yards: Quantifying Nitrogen Leaching From Residential Soils in Alachua County, FL	Edward Sherwood Tampa Bay Estuary Program Assessing the Cumulative Effects of Restoration Activities on Improving Water Quality in Tampa Bay, Florida	Jay Madigan Lake Cane Restoration Society Swimmer-Scientists Saving Florida Fresh Water Lakes One Swim at a Time

Poster Session and Reception with Student Poster Competition and Judging | 5:30pm–7:30pm | Rion Ballroom

Wednesday, February 26, 2020

Symposium Registration | 7:30am–5:00pm | Registration Foyer of Grand Ballroom

Early Morning Refreshments | 7:30am–8:30am | Grand Ballroom

Plenary Session

8:30am–10:00am | Grand Ballroom

Welcome and Introduction

Dr. Jack Payne

*Senior Vice President for Agriculture and Natural Resources,
UF/IFAS*

Keynote Presentation

Where Do We Go From Here? Mitigating Harmful Cyanobacterial Blooms in a
World Facing Human Nutrient Over-Enrichment and Climate Change

Dr. Hans Paerl

*Distinguished Kenan Professor of Marine and Environmental Sciences,
UNC-Chapel Hill Institute of Marine Sciences*

Morning Refreshment Break | 10:00am–10:30am | Grand Ballroom

Notes

Wednesday, February 26, 2020 (continued)

Concurrent Sessions | 10:30am–12:00pm

Room 2335	Room 2330	Room 2320	Room 2340	Room 2325	Room 2365
Session 19	Session 20	Session 21	Session 22	Session 23	Session 24
Harmful Algae Blooms (HABs) in Springs Lakes and Coastal Waters 1	Best Practices in Climate Adaptation: Case Studies from Florida's Water Utilities	Applications of Remote Sensing in Water Quality, Quantity, and Ecology	Agricultural Water and Nutrient Management	Inducing Resilience for Water-Subsidized Systems	Legacy Phosphorus in the Northern Everglades
Moderator	Moderator	Moderator	Moderator	Moderator	Moderator
Nancy Denslow University of Florida	Carolina Maran SFWMD	Jasmeet Judge University of Florida	Davie Kadyampakeni University of Florida	Thomas Ankersen University of Florida	Benita Whalen Dispersed Water LLC
Christopher Cuevas University of Florida Public Perceptions of Harmful Algal Blooms in Florida	Tirusew Asefa Tampa Bay Water Best Practices in Climate Adaptation: The Water Utilities Climate Alliance Example	Trista Brophy University of Florida Geospatial Analysis of Stormwater Ponds and Water Quality Across the State of Florida	Adelbert Del Bottcher SWET, Inc. Nitrate Mitigation Systems for Springs Protection	Marco Pazmiño-Hernandez University of Florida Retracing an Altered Watershed: History, Challenges and Hydrologic Data From the Tempisque-Bebedero Basin, Costa Rica	Session Description: Legacy phosphorus (P), the accumulation of P in soils and lake sediments from past management practices, can continue to impact water quality over decades, which can make restoration benefits difficult to quantify and reduce confidence in restoration results. This panel discusses challenges and opportunities of legacy P management in conservation and restoration programs in the Northern Everglades.
Robert Currier Texas A&M University Forecasting Brevetoxin Respiratory Irritation	Carolina Maran SFWMD Future Extreme Rainfall Projections in Broward County	Katie Glodzki University of Florida Mapping Floating Wetland Coverage in Everglades Stormwater Treatment Areas Using Drone Imagery	Sagarika Rath University of Florida Impact of Land Use Change and Different Management Practices on Nitrate Loading to Groundwater in Santa Fe River Basin	Caroline Huguenin University of Florida Guanacaste: A Region of Meteorological Extremes	
Ruth Francis-Floyd University of Florida Harmful Algal Blooms and Florida Wildlife: A Brief Review	Christopher Martinez University of Florida Using Seasonal Climate Forecasts to Improve Source-Allocation Decisions by Member Utilities of the Florida Water and Climate Alliance	Gretchen Stokes University of Florida Applications of Hyperspectral Drone Imagery for Rapid Aquatic Habitat Assessments	Sanjay Shukla University of Florida Recycling of Nutrients Using Stormwater Detention Systems	Stefano Barchiesi University of Florida Water Level Variability Control of Invasive Plant Cover and Water Bird Populations in the Palo Verde Wetland, Costa Rica	
Dail Laughinghouse University of Florida Trophic State, Watershed Use, and Blooms of Cyanobacteria - A Chilean Example	Vasu Misra Florida State University A Coupled Ocean-Atmosphere Downscaled Climate Projection for the Peninsular Florida Region	Richard Stumpf NOAA Use of Satellite to Identify and Quantify Blue-Greens and "Red Tide"	Matthow Varonka U.S. Geological Survey Sulfate Mitigation Strategies for the Everglades	Oswaldo Medina-Ramirez University of Florida Understanding the Rain-Makers: Water Management in The Tempisque-Bebedero Watershed, Costa Rica	
Glenn Morris University of Florida Emerging Pathogens Institute Exploring the Relationship Between Cyanobacterial Toxins and Human Diseases in Florida	Kevin Morris Peace River Manasota RWSA Aquifer Storage and Recovery (ASR) System Recovery Initiation Index	Elliott White University of Florida Identifying the Effects of Chronic Saltwater Intrusion on Coastal Floodplain Swamps Using Remote Sensing	Maria Isabel Zamora Re University of Florida Irrigation and N Fertility Rates Strategies to Potentially Reduce N Leaching from Agricultural Fields in Northern Florida Regions	Kathleen Vazquez University of Florida Toward a Dynamical, Transdisciplinary Model of a Water-Subsidized System	
Boxed Lunch 12:00pm–1:00pm Grand Ballroom					

Wednesday, February 26, 2020 (continued)

Concurrent Sessions | 1:00pm–2:30pm

Room 2335	Room 2330	Room 2320	Room 2340	Room 2325	Room 2365
Session 25	Session 26	Session 27	Session 28	Session 29	Session 30
Harmful Algae Blooms (HABs) in Springs Lakes and Coastal Waters 2	Climate Change and Coastal Resilience	Regional Water Issues and Solutions	Water and Climate Challenges for Agricultural Production	Phosphorus on Florida's Landscape	Water Workforce Careers and Networking
Moderator	Moderator	Moderator	Moderator	Moderator	Moderator
Dail Laughinghouse University of Florida	Kevin Morris Peace River Manasota RWSA	Rick Hutton Gainesville Regional Utilities	Davie Kadyampakeni University of Florida	Dean Dobberfuhr SJRWMD	Kati Migliaccio University of Florida
Paul Jones SFWMD Estimating Abundance of Legacy Nutrients and Dormant Cyanobacteria in Lake Okeechobee Sediments	Michael Cullum City of St. Augustine Resiliency and Adaptation in the Nation's Oldest City	Nathan Holt Drummond Carpenter, PLLC Groundwater Sustainability Modeling in the Cambrian-Ordovician Aquifer	Aavudai Anandhi Florida Agricultural and Mechanical University VISTA and CISTA Frameworks for Vulnerability Assessments in Food-Water Nexus	Todd Williams Jacobs Phosphorous Recovery from Wastewater: Current Practices and Future Opportunities	Session Description: The goal of this session is to introduce students to different professional water careers, to provide them information on the skills and experience employers prefer, and to give them the opportunity to network with leading water professionals. The session will consist of a panel discussion of water professionals and follow with a networking period between students and water professionals.
David Tomasko Environmental Science Associates Responding to Cyanobacteria Blooms in Florida Lakes: Results from Three Apparent Success Stories	Brett Cunningham Jones Edmunds Coastal Resiliency Planning	Kathryn McCurley Pisarello University of Florida Drivers of Evapotranspiration in Global Climate Zones	E. Vanessa Campoverde UF/IFAS Initial Assessment of How Saltwater Intrusion Can Affect Horticulture Industry	Erich Marzolf SJRWMD Use of Reclaimed Water to Offset Fertilizer Application: A Cost-Effective Pollution Prevention Management Practice?	
Hidetoshi Urakawa Florida Gulf Coast University Hydrogen Peroxide Measurements in Subtropical Freshwater Ecosystems and Their Implications for Cyanobacterial Blooms	Jeremy Decker U.S. Geological Survey Evaluation of Drainage Infrastructure Capacity Under Projected Sea Level and Climate Conditions, Broward County, Florida	Ryan Popko JEA Potable Reuse Pilot Testing Results: UF/RO/AOP Vs. Ozone/BAF/AOP	Davie Kadyampakeni University of Florida Assessing Citrus Crop Coefficients for Optimizing Water Use and Sustaining Environmental Quality	John Hendrickson St. Johns River Water Management District Ecological Manifestations of Phosphorus Enrichment in The St. Johns River, Florida	
Lisa Krinsky UF/FAS Building Consensus for Florida's Harmful Algal Blooms	Ivana Kajtezovic Tampa Bay Water Climate Change and Coastal Hazards Assessment for Long-Term Master Water Plan Projects	Nicasio Sepulveda U.S. Geological Survey Evaluation of Actual Evapotranspiration Rates from the Operational Simplified Surface Energy Balance Method in Florida	Anjali Sharma Florida A&M University Temperature Indicators for Developing Adaption Strategies for Crop Production: A Case Study in Florida	Dean Dobberfuhr SJRWMD Sustainable Phosphorus Management in Florida	
Brian Lapointe Florida Atlantic University Ecology of Pelagic Sargassum Blooms and Their Emerging Impacts on South Florida's Coastal Zone	Sangdon So Applied Technology & Management Storm Surge Modeling and Sea Level Rise Analysis on a Small Estuarine Tributary, St. Johns County, Florida	John Stamm U.S. Geological Survey The National Hydrologic Model and Streamstats Application for Assessing Water Availability, Sustainability, and Extreme Events	Fikadu Welidehanna UF Agricultural and Biological Department Modeling Effects of Climate Change and Variability on Sorghum Yield in Ethiopia	Amanda Rodriguez University of Florida Techniques for Assessing Phosphorus Loss from Soils of Varying Textures for Protection Of Water Quality	

Afternoon Refreshment Break (Grand Ballroom) | Poster Presenters Move-Out Displays (Rion Ballroom) | 2:30pm–3:00pm

Closing Plenary

3:30pm–5:00pm | Grand Ballroom

Navigating Turbulent Waters: Politics, Policies and Partnerships

Moderator

Dr. Les Thiele

Professor of Political Science and Director

UF Center for Adaptive Innovation, Resilience, Ethics and Science (UF CAIRES)

Panel Description

Perceptions of Florida's waters span a broad spectrum: from the abundant to the scarce, the pristine to the polluted, the equitably shared to the improperly exploited, the eternally inviting to the newly foreboding. Science helps us discern the truth in these matters, and illuminates the means of protecting, conserving and improving Florida's defining natural resource. But politics can muddy the waters. The art and craft of developing effective policies and building constructive partnerships can harness science for informed decision-making. Panelists will bring their extensive experience in these matters to bear on overcoming obstacles and making the most of opportunities.

Invited Panelists

Ernie Barnett, *Executive Director*, Florida Land Council

Shannon Estenoz, *Vice President of Policy & Public Affairs/Chief Operating Officer*, Everglades Foundation

Tom Frazer, *Chief Science Officer*, State of Florida Office of Environmental Accountability and Transparency

Jennifer Jurado, *Chief Resilience Officer and Director*, Environmental Planning and Community Resilience Division, Broward County

Jen Lomberk, *Executive Director & Matanzas Riverkeeper/Vice-Chair*, Waterkeepers Florida

Symposium Concludes

Notes
