## **DETAILED AGENDA**

	Tuesday, February 22, 2022
7:30am- 8:30am	Check-in for Preregistered Attendees - Pickup Symposium Materials Onsite registration not available
	Early Morning Refreshments [Grand Ballroom Hallways]
8:30am- 10:00am	Opening Plenary Session [Grand Ballroom]
	Introduction and Welcome  Wendy Graham, Director, University of Florida Water Institute  David Norton, Vice President for Research, University of Florida
	Keynote Speaker
	Margaret Palmer Distinguished University Professor, University of Maryland, College of Park and Director, National Socio-Environmental Synthesis Center (SESYNC)  "Restoration of Aquatic Ecosystems: the Search for a Process-based Understanding"
10:00am- 10:30am	Morning Refreshment Break

NOTES	

Tuesday, February 22, 2022 (continued)								
Concurrent Sessions — 10:30am - 12:00pm								
	2365	3320	3315	2335	2355	Auditorium		
	1	2	3	4	5	6		
Session Title	Historical Perspectives on Climate Change	Analysis of Environmental Flows, and Relationship Between Flow and Ecosystem Vitality	Climate Change and Sea Level rise Impact on Water Resources	Stakeholder Engagement in Water Solutions	Water Policies and Programs for Water Quality	CCS1: The Role of Data Fusion and Artificial Intelligence in Transforming Coastal Hazard Detection and Monitoring		
Moderator	Mark Brenner University of Florida	Jeffrey King ATM, A GeoSyntec Company	Young Gu Her University of Florida	<b>Yilin Zhuang</b> UF/IFAS	Karen Schlatter University of Florida	Zhe Jiang University of Florida		
10:30am	Introduction	Introduction	Introduction	Introduction	Introduction	Introduction		
	Bruce MacFadden University of Florida	Andrew Sutherland St. Johns River Water Management District	Jung-Hun Song University of Florida  Performance of Climate	Mark Hoyer Florida LAKEWATCH	Robert Knight Florida Springs Institute A Prescription for Cost	Barbara Kirkpatrick Gulf Coast Ocean Observing System		
10:35am	Geological History of Florida's Water Over the Past 40 Million Years	Environmental Flows and Levels: Determining Impact Thresholds and Allowable Change	Models in Reproducing the Hydrological Characteristics of Rainfall Events in Florida	A Limnological Yardstick Based on Phosphorus Limitation	Effective Restoration of Florida's Springs	(GCOOS)  Data Aggregation, Citizen Science, and AI - Oh My!		
10:50am	Jason Bellino U.S. Geological Survey Reference and Potential Evapotranspiration, Solar Radiation, and Albedo Over Florida, USA, 1985-2020	Gabriel Herrick Southwest Florida Water Management Instream Habitat Quantification Using System for Environmental Flow Analysis	Ziwen Yu University of Florida Stochastic Downscaling of Hourly Precipitation Series from Climate Change Projections	Ernie Cox Family Lands Remembered  Innovative Water Resources Projects Through Alternative Delivery Methods	Christopher Pettit Florida Department of Agriculture and Consumer Services Agricultural Water Governance and Management			
11:05am	Rick Copeland AquiferWatch, Inc. Regional, Passive Saline Encroachment in the Springs of Florida (1991 – 2020)	Sean King Suwannee River Water Management District  Development of Environmental Flow Analyses for Spring Systems in the Suwannee River Basin	Young Gu Her University of Florida Impacts of Climate Change and Sea Level Rise on Southeast Florida's Groundwater Resources	Steve Leitman Apalachicola Bay Science Initiative, Florida State University The Development of Performance Metrics for the ACF Watershed	Del Bottcher Soil and Water Engineering Technology, Inc. Agricultural Best Management Practices Assessment Tool (BMPAT)	Zhe Jiang UF Department of Computer & Information Science & Engineering Spatiotemporal Machine Learning for Hydrology: A Couple of Examples		
11:20am	Ying Ouyang USDA Forest Service Contribution of Streams to Groundwater Resource in the Mississippi Embayment Over the Past 100 Years	Paul Thurman Northwest Florida Water Management District Minimum Flows Development in a Spring System Displaying Increased Flows	Yogesh Khare Everglades Foundation Phosphorus Source Contributions Under Current and Future Climate in a Lake Okeechobee Subwatershed	Shannon Monahan Lake Cane Restoration Society  Lake-in-a-Box: How Citizens are Taking Responsibility for Domestic Water Quality	M. Jennison Kipp UF/IFAS Extension Lightening the Water Footprint of Florida's New Residential Developments	Ronald Fick University of Florida  Fusing Remote Sensing Data with Spatiotemporal in Situ Samples for Red Tide Detection		
11:35am	Gerald Murphy and Thomas Ruppert UF Program for Resource Efficient Communities Navigating the Waters of Future Climate: Law & Policy	Tracey Piccone South Florida Water Management District  Everglades Stormwater Treatment Areas: Managing Flows to Achieve Performance Goals	Peter Sheng University of Florida  Adaptation of Coastal Communities and Natural Ecosystems in a Changing Climate	Olesya Savchenko University of Florida  Public Preferences for Management of Aquatic Invasive Species in Florida Waters	Matthew DePaolis University of Florida A Restoration Aquaculture Approach to Water Quality	Guangming Zheng UMD, NOAA/NESDIS/ Center for Satellite Applications and Research Hypoxia Forecast in the Chesapeake Bay using CNN and LSTM		
11:50am	Discussion	Discussion	Discussion	Discussion	Discussion	Discussion		
12:00pm- 1:00pm		Lunch						

	Tuesday, February 22, 2022 (continued)							
			Concurrent Sessions	s — 1:00pm - 2:30pm				
	2365	3320	3315	2335	2355	Auditorium		
	7	8	9	10	11	12		
Session Title	FLWCA1: Water and Climate Resiliency Metrics: Long Term Data Trends	Water Availability and Allocation	Water Quality Drivers and Impacts	Education & Outreach Programs	The Floridan Aquifer Collaborative Engagement for Sustainability Project	CCS2: Unlocking Benthic- Pelagic Coupling Controls of Coastal Eutrophication		
Moderator	Nicole Cortez WSP USA	Samuel Smidt University of Florida	Matt Whiles UF/IFAS	<b>Yilin Zhuang</b> UF/IFAS	Paloma Carton de Grammont University of Florida	Ashley Smyth & Betty Staugler UF/IFAS		
1:00pm	Introduction	Introduction	Introduction	Introduction	Introduction	Introduction		
	Karin Smith South Florida Water Management District	Samuel Smidt University of Florida	Andy Canion St. Johns River Water Management District	Yilin Zhuang University of Florida	Nathan Reaver University of Florida	<b>Jim Fourqurean</b> Florida International University		
1:05pm	Sea Level Rise and Saltwater Intrusion into Aquifers along the Southeast Florida Coast	Estimating Historical Irrigated Production of Major US Row Crops	Biosolids Applications and Nutrient Export in Tributary Watersheds of the Upper St. Johns River	Challenges and Opportunities Facing the Florida Well Owner Network	Environmental and Economic Tradeoffs of Land Use and Management in the Floridan Aquifer Region	Decomposition and Lability of Soil Organic Matter and Carbon Stocks across a Seagrass Landscape		
	<b>Yibing Zhu</b> South Florida Water Management District	Katie McCurley Pisarello USDA	Shourish Chakravarty UF/IFAS SWFREC	Tina McIntyre UF/IFAS Extension Seminole County	Rob De Rooij University of Florida			
1:20pm	Evapotranspiration Trend in South Florida	Long Term Water Yield Impacts from Pine Plantation Management Strategies in the Southeast	Assessing Impacts of Deforestation on Water Quality in Agricultural Landscape in Indiana	Quantifying Fertilizer Impacts: A Case Study Investigating Years of Educational Workshops	Simulating Nitrate Transport to the Devil's Springs Complex Using Swat-Modflow and Modpath			
1:35pm	Tibebe Dessalegne South Florida Water Management District  Water Level Trends at South Florida Coastal Structures and Implications to Water Management	Louis Mantini Suwannee River Water Management District  Biological Metrics for Development of Minimum Flows and Levels in the Suwannee River Basin	Kai Rains University of South Florida  Forensic Mapping of the Stunning Transformation of Florida's Coastal Watersheds over 150+ Years	Morgan Pinkerton UF/IFAS Pesticide CEUs as a Platform for Water Resource Education	Wendy-Lin Bartels University of Florida The Room Where It Happens: Co- Producing Scenarios for the FACETS Project	Chris Anastasiou Southwest Florida Water Management District  The Hangover Effect: Coupling Seagrass Loss, Macroalgal Growth, & Water Quality in Charlotte Harbor		
1:50pm	Tara Root U.S. Geological Survey Identifying Hydrologic Changes and Trends using Automated Statistical Analyses	Marco Pazmiño- Hernandez USGS Caribbean- Florida Water Science Center A New Method for Estimating Water Withdrawn from Private Domestic Wells in Florida	Tracey Schaefer University of Florida  Spatial Distribution of Sediment and Porewater Biogeochemical Characteristics in Lake Okeechobee	Tiare Silvasy UF/IFAS  Water Wednesday Program Educates Urban Residents About Actionable Water Conservation Practices	Damian Adams University of Florida  Payments for Forest Ecosystem Services: an Integrated Approach to Value Forest Water Benefits	Annie Murphy INSPIRE Environmental Human-Facilitated Bivalve Populations Effects on Energy and Nitrogen Flow Through Marine Ecosystems		
	Nenad Iricanin South Florida Water Management District	<b>Dat Tran</b> Florida Legislature- EDR	Mary Szafraniec Wood	Carrie Stevenson UF/IFAS Extension	Sadie Hundemer University of Florida	Ashley Smyth University of Florida		
2:05pm	Water Quality Trends in Lake Okeechobee: Climate Change or Other Influence?	Water Demand and Supply in Florida: Past, Current, and Future Trends	Testing Performance Efficiency of Innovative Nutrient Reduction Technologies With In- Situ Mesocosms	Resilience to Future Flooding in the Gulf of Mexico	The Water Science Communication Problem: Water Knowledge and Acceptance/Rejection of Water Science	The Role of Sponges in Modulating Nitrogen Cycling in the Florida Keys		
2:20pm	Discussion	Discussion	Discussion	Discussion	Discussion	Discussion		
2:30pm- 3:00pm			Afternoon Refr	eshment Break				
3:00pm - 5:00pm	Poster Session with Student Poster Competition and Judging [Rion Ballroom]							

	Wednesday, February 23, 2022								
7:30am-		Early Morning Refreshments							
8:30am		[Grand Ballroom Hallways]  Concurrent Sessions — 8:30am - 10:00am							
	2365	3320	3315	2335	2355	Auditorium			
	13	14	15	16	17	18			
Session Title	FLWCA2: Future Trends in Climate and Sea Level Rise	Harmful Algal Blooms	BMP Adoption in Agricutlural and Urban Systems	Technology and decision tools for Water Management	Water and Wetlands Challenges in the Tropics	CCS3: Improving the Condition of Coastal Ecosystems through Collaboration: A Panel Discussion of Lessons from Decades of Estuarine Nutrient Assessment and Management			
Moderator	Tom Frazer University of South Florida	Dail Laughinghouse UF/IFAS	Andrea Albertin UF/IFAS	Davie Kadyampakeni UF/IFAS	Catherine Tucker University of Florida	Elise Morrison University of Florida			
8:30am	Introduction	Introduction	Introduction	Introduction	Introduction	Introduction			
	Michelle Irizarry-Ortiz U.S. Geological Survey  Development of	Katherine Hubbard Florida Fish and Wildlife Conservation Commission	Sawssan Boufous University of Florida Florida Farmers'	Bernardo Cardenas University of Florida Irrigation Savings	Catherine Tucker University of Florida Coffee Production,	Panel: Ed Sherwood Director, Tampa Bay Estuary Program			
8:35am	Projected (2050–2089) Precipitation Depth- Duration-Frequency Curves for South Florida	Integrating Observations to Investigate Harmful Algal Bloom Dynamics in Florida's Marine Waters	Multi-BMPs Adoption: A Survey Analysis	from Smart Irrigation Technologies and a Smartphone App on Turfgrass	Water Use, and Watershed Protection in Honduras: A Community Case Study	David Tomasko, Director, Sarasota Bay Estuary Program  Duane De Freese, Director, Indian River			
8:50am	Carolina Maran South Florida Water Management District Regional Climate Projections – Future Rainfall Estimates for Florida	Christa Court University of Florida  Measuring the Impact of Florida Red Tide Events on Recreational Fishing Effort and Expenditures	Sanjay Shukla University of Florida Integrating Stakeholder Relevant Economic, Risk, and Health Factors Improves Water Sustainability	Paul Gray Audubon Florida GIS Tool for Distributed Water Management Projects in the Central Florida Water Initiative Region	Oswaldo Medina- Ramírez University of Florida "We Are Exhausted": Navigating Interagency Coordination for Water Management in the Tropics	Matt Posner Director, Pensacola and Perdido Bays Estuary Program  Panel Focus: 1) the monitoring collaborations			
9:05am	John Stamm U.S. Geological Survey The Weather Research and Forecasting Model (WRF) Development for the United States and Florida	Elizabeth Staugler University of Florida  Key Elements of Red Tide Messaging and Modes of Communication Gleaned from Multiple Focus Groups	Md Azhar Uddin University of Florida The US Consumers' Willingness to Pay for Best Management Practice Labels	Abbey Tyrna UF/IFAS Extension Sarasota County  Bay-Friendly Fertilizing Tools for Reclaimed Water Users	Percy Peralta Ramsar Regional Center for the Western Hemisphere  Effects of Water Availability on Coffee Production, Farmer Livelihoods and Adaptive Strategies	necessary to initially develop goals and document coastal habitat recovery in Florida estuaries; 2) contemporary triggers and conditions that have led to additional coastal eutrophication concerns for maintaining coastal			
9:20am	Gary Mitchum University of South Florida  Projections of Sea Level Rise and High Tide Flooding for the Southeast and for Florida in Particular	Forrest Lefler University of Florida  Cyanobacterial Diversity Within the Eutrophic Lake Okeechobee and the St. Lucie Estuary, Florida	Stacie Greco Alachua County  Nitrogen Load Reduction from Alachua County's Fertilizer Ordinance and Behavior Change Campaign	Hossein Ghoveisi CREC - UF/IFAS Water Use in Young Citrus Trees on Metalized UV Reflective Mulch Compared to Bare Ground	Conrado De Leon Ramsar Regional Center for the Western Hemisphere  Evapotranspiration and Water Demand Analysis for Coffee Farms in the Upper Santa Maria River	habitats and natural resources within Florida's urbanizing coast; and 3) a vision for ecosystem monitoring collaborations and needs within Florida's estuaries of national significance that will help ascertain whether			
9:35am	Jayantha Obeysekera Florida International University  Development of Future Climate Scenarios for Regional Hydrologic Simulations in South Florida	Yi Guo University of Florida  Exploring the Relationship between Cyanobacterial Toxins and Human Diseases in Florida	Laura Warner University of Florida Human Dimensions of Water Conservation: What Drives Residents to Eliminate Irrigation in Landscapes?	Stephen Curless CCI Engineering Services Microwatershed Analysis and Management: Florida Residential Lake Case Studies	David Kaplan University of Florida  Drivers of Water Balance Variability in the "Ciénega De Las Macanas" Wetland, Panama	recovery and positive restoration trajectories are maintained into the future. Specific case studies from Florida's estuaries, such as Tampa Bay, Sarasota Bay, and the Indian River Lagoon, will be discussed.			
9:50am	Discussion	Discussion	Discussion	Discussion	Discussion	Discussion			

10:00 am- 10:30am	Morning Refreshment Break							
	Wednesday, February 23, 2022 (continued)							
			Concurrent Sessions	— 10:30am - 12:00pm				
	2365	3320	3315	2335	2355	Auditorium		
	19	20	21	22	23	24		
Session Title	FLWCA3: Assessing Flood and Sea Level Rise Vulnerability and Best Adaptation Solutions	Lake Okeechobee Water Quality Issues	Stormwater and Wastewater treatment	Smart-irrigation and Sensor-based Irrigation for Water Savings	Tribal Communities and Water Issues	CCS4: The Frontier of Earth Systems Modeling for Hazard Prediction & Management		
Moderator	Drew Bartlett South Florida Water Management District	Nancy Denslow University of Florida	Andrea Albertin UF/IFAS	Davie Kadyampakeni UF/IFAS	Paloma Carton de Grammont University of Florida	Olabarrieta Maitane & David Kaplan University of Florida		
10:30am	Introduction	Introduction	Introduction	Introduction		Introduction		
10:35am	Alberto Pisani Miami-Dade County Update of the Stormwater Master Plan of Miami-Dade County for Current and Future Conditions	Joseph Gilio Limnological Science for Lake Okeechobee Lake Okechobee's Trophic "Temperature"	Christopher Keller Wetland Solutions, Inc  Mcintosh Preserve Wetlands Project – Integrated Water Resources Management for Multiple Benefits	Vivek Sharma University of Florida Florida Agricultural Soil Moisture Sensor Network	This session contains three 30 minute separate presentations that begin immediately.  Steven Chischilly & Abhishek RoyChowdhury	Ben Kirtman University of Miami Global High-Resolution Earth System Models Representation of Regional Climate Change and Variability		
10:50am	Christine Carlson South Florida Water Management District  Documenting Flood Occurrence and Exposure	Sangdon So Applied Technology and Management  Tidal and Subtidal Nutrient Flux Forced by Lake Okeechobee Drawdown	Scott Knight Wetland Solutions, Inc.  Quantifying the Ancillary Benefits of Constructed Treatment Wetlands	Haimanote Bayabil University of Florida Potentials of Variable Rate Irrigation for Vegetable Production in South Florida	Navajo Technical University  Water Quality on the Navajo Nation and How it has Contributed to the Spread of Covid-19 (30 mins)			
11:05am	Tom Frick St. Johns River Water Management District Resilience – A Water Management District Perspective	Viviana Mazzei U.S. Geological Survey Effects of Experimental Nutrient Enrichment on Phytoplankton Assemblage Structure and Cyanotoxins	Jinsheng Huang University of Florida  Ball Milled Biochar Effectively Removes Sulfamethoxazole and Sulfapyridine Antibiotics From Water and Wastewater	Sandra Guzman University of Florida  Tools to Address Current Irrigation Management Challenges in Citrus Production	Stacy Myers Heritage and Environment Resources Office, Seminole Tribe of Florida & Joe Frank Resident of Big Cypress Reservation,	Xingyuan Chen Pacific Northwest National Laboratory  Integrated Modeling of Carbon and Nitrogen Cycling in River Corridors and Watersheds		
11:20am	Kevin Hart South Broward Drainage District  South Broward Drainage District Green Infrastructure Projects and Climate Change Impacts	Miles Medina University of Florida  Nitrogen Enriched Discharges from a Vast Watershed Intensify Red Tide	Tricia Kyzar Wildwood Consulting Inc Assess Vulnerability of OSTDS to SLR and Storm Surge to Develop Adaptation Plans	Lincoln Zotarelli University of Florida Rethinking Seepage Irrigation Management for Horticultural Production in Florida	Seminole Tribe of Florida  Water Issues Affecting Big Cypress Reservation and the Seminole Tribe of Florida (30 mins)	Maitane Olabarrieta University of Florida  John Warner US Geological Survey  Advancements of a Coupled Ocean Nearshore Forecasting		
11:35am	Akintunde Owosina South Florida Water Management District Assessing and Mitigating the Impacts of Sea Level Rise on Flooding in South Florida	Mohsen Tootoonchi University of Florida Decadal Changes in Nitrogen and Phosphorus Species along the Lake Worth Lagoon in South Florida	Lisa Krimsky UF/IFAS Informing Septic to Sewer Conversion Outreach in Florida through Community- Based Social Marketing	Davie Kadyampakeni University of Florida Implementing Full and Deficit Irrigation Practices using Soil Moisture and Sapflow Sensors for Water Savings in Citrus Production Systems	Houston R. Cypress Love the Everglades Movement & Amelia Winger-Bearskin UF Digital Worlds Institute Water Protection from Artists and Activists Perspective: a Conversation with Houston Cypress	System		
11:50am	Discussion	Discussion	Discussion	Discussion	and Amelia Winger- Bearskin (30 mins)	Discussion		
12:00pm- 1:00pm	Lunch							

	Wednesday, February 23, 2022 (continued)						
		I		s — 1:00pm - 2:30pm			
	2365	3320	3315	2335	2355	Auditorium	
	25	26	27	28	29	30	
Session Title	FLWCA4: Using Rainfall and Wet Season Conditions to Analyze Compound Flooding Risks	Watershed Provisioning in Estuarine Food Webs	Urban Water Quality and Quantity	Artificial Intelligence in Water Systems	Navigating a Professional Job in Water	CCS5: Accelerating the Infusion of Science in Coastal Policy - A Panel	
Moderator	Carolina Maran South Florida Water Management District	Mike Allen UF/IFAS	<b>Eban Bean</b> UF/IFAS	Rafael Muñoz- Carpena UF/IFAS	Kati Migliaccio UF/IFAS	Tom Ankersen University of Florida	
1:00pm	Introduction	Introduction	Introduction	Introduction	Introduction	Introduction	
1:05pm	Al Ali South Florida Water Management District Regional Trend Analysis for Rainfall of South Florida	Eric Nagid FL Fish & Wildlife Conservation Com Evaluating Changes and Predicting Impacts to Freshwater Fish	Eban Bean UF/IFAS Moving Florida Forward on Low Impact Development + Green Stormwater	Ray Huffaker University of Florida Al Modeling of Complex Real-World Ecosystem Dynamics	Panel Focus:  The goal of this session is to introduce students to different professional water careers, to provide	Panel: Annie Brett University of Florida Levin College of Law  Rachel Silverstein Miami Waterkeeper	
1:20pm	Francisco Peña Guerra Florida International University  Compounding Effects of Surface-Subsurface Water Interactions and Sea Level Rise in North Miami	Communities in Florida  Jordan Miller Southwest Florida Water Management District  Establishment and Use of Nature Coast Springs Systems by Common Snook (Centropomus undecimalis)	Infrastructure  Cristian Cardenas- Lailhacar University of Florida  Energy Efficiency Assessments of Wastewater Treatment Plants in Florida	Berry Wen University of Florida Using Explainable AI Models for Precipitation Retrievals to Bridge NASA and NOAA Observation Systems	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.	Adam Blalock Florida Department of Environmental Protection  Christine Angelini University of Florida College of Engineering  Panel Focus: Driven by rapid	
1:35pm	Vasu Misra Florida State University  Monitoring the Wet Season over the Five Water Management Districts of Florida	Kym Rouse Holzwart Southwest Florida Water Management District Use of Snook Thermal Refuge Criteria for Minimum Flows Development in Coastal Springs	Mary Lusk University of Florida Beneficial Reuse of Wastewater: An Update on Trends in Florida and Interdisciplinary Research Opportunities	Alina Zare University of Florida Underwater Intensity- to-Height Domain Translation for Synthetic Aperture Sonar		developments in sensor design and deployment, robotics, big data acquisition, storage and analytics, artificial intelligence and Earth Systems modeling, the pace of coastal science has accelerated. At the same time, the scale and gravity of the hazards confronting coastal waters, shorelines and communities has also been accelerating. Many of these coastal hazards are systemic - warmer water, rising seas, tropicalization - the	
1:50pm	Angela Schedel Taylor Engineering Combined Probability of Coastal and Riverine Flooding	Charles Martin University of Florida  Snook Use of Thermal Refugia along the Nature Coast: Implications for Minimum Flows and Levels	Kathleen Sealey University of Miami Florida Keys Residential Canal Development Impacts on Nearshore Water Quality and Benthic Diversity	Robert Currier Texas A&M University STAMPing out HABs: Materials and Methods for Training an AI Classifier for HAB Detection			
2:05pm	Kevin Reed Stony Brook University Improving Modeling of Earth System and Intersectoral Dynamics at Local Scales: Hurricane Storylines	Philip Stevens Florida Fish and Wildlife Conservation Commission  Identifying Freshwater Inflow Needs for Estuarine Fishes: A Statewide Perspective	Kristen Sealey Gainesville Regional Utilities  GRU Groundwater Recharge Wetlands – Past, Present and Future	Nikolay Bliznyuk University of Florida Spatio-Temporal Forecasting of Urban Household-Level Water Demand with Statistical Machine Learning		result of the changing climate. Others are more localized – legacy pollution, altered hydrologic regimes, ecosystem disturbance. Synergies between these global and local impacts, coupled with multidecadal time horizons, present a profound policymaking challenge.	
2:20pm	Discussion	Discussion	Discussion	Discussion	Discussion	Discussion	
2:30pm- 3:00pm		Afternoon Refreshment Break					

	W I I F I 00 0000 / " "
	Wednesday, February 23, 2022 (continued)
	Closing Plenary Session [Grand Ballroom]
	Introductory Remarks Scott Angle, Vice President for Agriculture and Natural Resources, University of Florida
	Presentation of Student Poster Competition Awards
	Closing Panel: Climate Resilience in a Ground Zero State
3:00pm- 5:00pm	Moderator: Wendy Graham, Director, University of Florida Water Institute
	Panel Description:  Resilience generally refers to the ability to persist or adapt in the wake of disruption. In Florida, climate change is already disrupting local communities, economies, infrastructure, ecosystems and human health. Indeed, Florida has been described as America's "ground zero" for climate change. What does climate resilience mean for Florida's water sector? This panel consists of a group of leading scientists, engineers, water managers and policy makers representing agriculture, the environment, water management, and academic interests. Panel members will discuss initiatives, opportunities, and timeframes for developing water-related resilience in the face of climate impacts. The panel will conclude with open questions and dialogue with the audience.
	Panelists:
	Beth Lewis, Director of Water Resources, The Nature Conservancy Florida Chapter Carolina Maran, Chief Resiliency Officer, South Florida Water Management District Chris Pettit, Director of Agricultural Water Policy, Florida Dept. of Agriculture & Consumer Services Mark Rains, Chief Science Officer, Florida Department of Environmental Protection Jason von Meding, Associate Professor, Florida Institute for Build Environment Resilience, University of Florida
5:00pm	Symposium Concludes

NOTES	
	_
	_