

Wednesday, June 2, 2021

9:00 - 10:00

Exhibit Hall

10:00 - 10:50

Opening Plenary Session Louisiana Governor John Bel Edwards, Chip Kline, CPRA Chairman & Kimberly Reyher, CRCL Executive Director Sponsored by The Coalition to Restore Coastal Louisiana

Concurrent Session - 1

11:00 - 11:50

Session 1	Session 2	Session 3	Session 4	Session 5	Session 6	Session 7	Session 8
2023 Coastal Master Plan Part 1: Process and Framework	Building a Workforce Pipeline for Coastal Restoration	Katrina 15: Road to Restoration in the Mississippi River Gulf Outlet MRGO Ecosystem	Where Culture and Tradition Meet Research: The United Houma Nation's View of Meaningful Research	RESTORE Lowermost Mississippi River Management Program LMRMP I: Modeling	Putting the Pieces Back Together: Restoring for Deepwater Horizon Impacts in Coastal Louisiana	Louisiana Watershed Initiative, Data and Modeling	Evolution of Marsh Creation Design and Construction
Ashley Cobb CPRA	Jasmine Brown GNO Inc.	Amanda Moore National Wildlife Federation	Lanor Curole United Houma Nation	Honora Buras CPRA	Mel Landry NOAA Restoration Center	Alex Carter Louisiana Office of Community Development	Russ Joffrion CPRA
Stuart Brown CPRA 2023 Coastal Master Plan Framework - Uncertainty and Adaptive Management	Robert Habans The Data Center Tina Tinney Nunez Community College Laci Melancon Louisiana Coastal Technical Assistance Center Taylor Watts Louisiana Workforce Commission Louisiana's coastal restoration is creating a wave of new job opportunities requiring specialized workforce pipelines. However, given the novel scale and scope of many coastal projects, workforce providers, educational institutions and economic developers are seeking to clarify the labor demand of restoration. This session will explore how the State of Louisiana is working with these stakeholders to ensure workforce needs are met and economic benefits of restoration are maximized.	Arthur Johnson Lower 9th Ward Center for Sustainable Engagement and Development CSED Micaela Coner CPRA Guy McInnis St. Bernard Parish Government John Lopez Delta Science LLC This panel will focus on restoration and protection progress made 15 years post-Hurricane Katrina. Panelists will discuss ecosystem conditions post-closure of the MRGO and restoration projects that will help protect communities.	Mathew Bethel Louisiana Sea Grant Shanondora Billiot University of Illinois Brandon Keller United Houma Nation This panel will focus on the experiences from a tribal perspective in being a research partner for meaningful research efforts for communities. The panel will share the experiences from previous and current projects and their unique perspective as either community members or researchers or in some instances both.	Carol Parsons Richards CPRA RESTORE Lowermost Mississippi River Management Program: Overview and Status	Brian Lezina CPRA Doug Jacobson US EPA Region 6 Courtney Schupp NOAA Restoration Center This panel will focus on updates on progress in restoration for injuries associated with the Deepwater Horizon oil spill in Louisiana and information on how to be engaged in the restoration planning process.	Emad Habib and Ehab Meselhe Statewide H&H Modeling, PFEs update, river and rain gauge enhancements and MUSM- Part 1 public review	Rudolph Simoneaux CPRA Historical Overview of Past Marsh Creation Design and Construction Efforts
Catherine Fitzpatrick CPRA 2023 Coastal Master Plan Framework - New Project Development				Kazi Sadid CPRA Session combined with Brendan Yuill		Hugh Roberts LWI Modeling in the Transition Zone	Kevin Roy United States Fish and Wildlife Service Planning and Development of Marsh Creation Projects
Krista Jankowski CPRA 2023 Coastal Master Plan Framework – Developing Scenarios				Brendan Yuill The Water Institute of the Gulf Kazi Sadid CPRA Multi-model investigation of sand transport patterns through the LMR		Sam Martin CPRA LWI Project Funding	Thomas McLain CPRA Improvements and Innovations in Marsh Creation Design
Denise Reed University of New Orleans 2023 Coastal Master Plan Framework – Selecting Projects with the Planning Tool				Travis Dahl US Army Corps of Engineers-ERDC Designing a Real-time Forecasting System for Nitrogen and Sediment in the Lowermost Mississippi River		Pat Forbes OCD Long-term framework for regional watershed management and Round 1 RSC recommendations	Venu Tammineni Adaptive Management Engineering, LLC. Improvements in Dredge Slurry and Fill Monitoring and Analysis

Wednesday, June 2, 2021

Lunch

Music by Lost Bayou Ramblers, sponsored by Restore the Mississippi River Delta. These bards of the bayous blend traditional Cajun music with rockabilly and punk rock. They won a Grammy for their 2017 album Kalenda.
Sponsored by Restore the Mississippi River Delta

12:00 - 12:50

Concurrent Session - 2

1:00 - 1:50

Wednesday, June 2, 2021

Wednesday, June 2, 2021								
Session 17	Session 18	Session 19	Session 20	Session 21	Session 22	Session 23	Session 24	
2023 Coastal Master Plan Part 3: Risk Assessment	Disaster Impacts on Public Health	Using Models to Analyze Flood Depths and Risk to Inform Design	RESTORE Lowermost Mississippi River Management Program LMRMP II: Informing Decision-Making	Constructed Marsh Terraces as a Restoration Technique: Advances in our Understanding	Monitoring, Modeling and Adaptive Management of Large-Scale Restoration Projects	Climate Change and Adaptation: Can We Walk the Walk Not Just Talk the Talk?	Louisiana Coastal Geology	
Krista Jankowski CPRA	Dr. Katie Cherry Louisiana State University	Mikaela Meyer, Carnegie Mellon University	Ioannis Georgiou The Water Institute of the Gulf	Mike Brasher Ducks Unlimited, Inc.	Mel Landry NOAA Fisheries	Pamela Jenkins University of New Orleans	Chris McLindon McLindon Geosciences, LLC	
Zach Cobell Water Institute of the Gulf Storm Surge and Wave Model Updates for the 2023 Coastal Master Plan	Adrienne Katner Louisiana State University Identifying and Addressing Drinking Water Challenges in Well-Reliant Communities After Natural Disasters: Lessons from a Louisiana Flood	Diana Di Leonardo The Water Institute of the Gulf Role of Neotectonics in Mississippi River Delta Plain Evolution and Implications for Management: Update from Expert Panel Workshops	Jeffrey Danielson US Geological Survey The USGS Coastal National Elevation Database CoNED : Integrated Topobathymetric Model for the Northern Gulf of Mexico NGOM2	Raul Osorio Mississippi State University Marsh Terraces Assessment Using a Remote Sensing Approach and a Wave Model	Whitney Thompson APTIM Golden Triangle Marsh Creation Project - Studying the Effects of Marsh Construction Using Delft3D	<p>The session provides a context for how we go forward facing the increased consequences from climate change. Through funding from the Rockefeller Foundation, UNO-CHART, Concordia, and the Foundation for Louisiana created a collaborative effort that sponsored five convenings focused on climate change and adaptation. Using the convenings' major themes, the workshop asks the participants to engage in an analysis of the major themes and how these themes might be implemented a call to action .</p>	Elizabeth McDade Chinn-McDade Associates LLC Geology of the Biloxi Marsh Complex: Implications for Stabilization and Restoration	
David Johnson Purdue University 2023 Coastal Master Plan - Coastal Louisiana Risk Assessment Model	Kim Mosby Louisiana State University Frameworks of Recovery: Health Caught at the Intersection of Housing, Education, and Employment Opportunities After Hurricane Katrina	Jingya Wang Purdue University An Efficient Model to Inform Risk-Based Levee Design Standards	Chris Massey US Army Corps of Engineers Overview of ERDC'S Coastal Storm Modeling System, CSTORM, as Applied to the Coast of Louisiana for Computing Annual Exceedance Probabilities for Storm Water Levels and Wave Heights	Marie Mathews Tulane University The Sedimentary Effectiveness of Marsh Terracing as a Restoration Technique in Coastal Marshes in Southeastern Louisiana	Joel Tillery Duplant Design Group, PC Use of Remote Sensing and Geospatial Analysis to Enhance Design of the Lake Borgne Marsh Creation Increment One PO-0180 And Applicability to Future Large-Scale Marsh Creation Projects		Robert Mohollen UNO Earth and Environmental Sciences Rates of Displacement and Lateral Continuity of the Baton Rouge Fault System segments: Evidence of Holocene Displacement near the East Orleans Land Bridge	
Nathan Geldner Purdue University 2023 Coastal Master Plan – Impacts of Updates to Risk Assessment Modeling	Kevin Conrad Ochsner Health Systems Deep Water Horizon Oil Spill: An Update on the Long-Term Human Health Consequences for Residents of Coastal Louisiana	Mikaela Meyer Carnegie Mellon University Analyzing the Variability of Best-Estimate Coastal Flood Depth Return Periods in Louisiana	Chris Esposito The Water Institute of the Gulf Dredging is a dominant geomorphic process in the LMR	Joseph French Mississippi State University The Effect of Tropical Storm and Frontal Passage on Marsh Terrace Efficacy in Coastal Louisiana	Agnimitro Chakrabarti FTN Associates Morphology Modeling of the West Bay Diversion Crevasse: An Analogue Model for the Mid-Barataria Sediment Diversion Outfall Evolution		David Culpepper The Culpepper Group, LLC Synthesis of Fault Traces in Southeast Louisiana Relative to Infrastructure	
Sam Martin CPRA 2023 Coastal Master Plan – Non-EAD Metrics for Storm Surge-based Flood Risk	Jakevia Green Institute of Women & Ethnic Studies, UNO Caring For Those Who Care For Us: Examining Mental And Emotional Impacts Of The Covid-19 Pandemic On Essential Workers	Trung Do University of Louisiana at Lafayette Fragility Methodology for Flood Risk and Loss Assessment Under Future Climate Projections– A Case Study In The Vermilion River Watershed	John Swartz The Water Institute of the Gulf Reach Scale Analysis of Sediment Transport in the Lowermost Mississippi River from Dredge-Support Surveys	Madelyn McFarland Mississippi State University An Evaluation of Avian Use of Marsh Terraces in Gulf Coastal Wetlands	Tim Carruthers The Water Institute of the Gulf Improving Restoration Project Adaptive Management: Practical Steps		Chris McLindon McLindon Geosciences, LLC Geological assessment of the vicinity of the proposed Mid-Barataria Sediment Diversion	
<p>Plenary Session Colette Pichon Battle, The Gulf Coast center for Law & Policy Founder & Director Sponsored by Louisiana Sea Grant</p>								
<p>Pop Up Receptions in Baton Rouge and New Orleans</p>								

Concurrent Session - 3

2:00 - 2:50

Sponsored by Ducks Unlimited and ConocoPhillips

3:00 - 3:50

5:30 - 7:30

Thursday, June 3, 2021

9:00 - 9:50

Women's Leadership Event
Sponsored by Shell

10:00 - 10:50

Plenary Session
Fireside chat with Janet McCabe, EPA & Justin Ehrenwerth, The Water Institute of the Gulf
Sponsored by The Water Institute of the Gulf

11:00 - 11:50

Exhibit Hall

12:00 - 12:50

Lunch
Movies: *What Remains* and *Saving Louisiana's Coast Never Tasted So Good* look at a sustainable seafood that is playing a role in the restoration of Louisiana's coast. *Lincoln Beach* tells the story of Sage Michael, an activist leading the charge to restore a once-segregated public park on the shore of Lake Pontchartrain.

Concurrent Session - 4

1:00 - 1:50

Session 25	Session 26	Session 28	Session 29	Session 30	Session 31	Session 32
Advancing Regional Sediment Management Practices for Coastal Restoration	Risk Communication and Language: Challenges in Engaging Coastal Communities	RESTORE Act Center of Excellence for Louisiana: Research to support Louisiana's Coastal Master Plan	Marsh Dynamics	Response of Deltaic Plain Wetlands to River Diversions: Synthesis of the State of the Science - Part 1	Resilient Communities and Climate Change	Restoring Colonial Waterbird Nesting Habitat: Challenges, Solutions, and Continuous Improvement
Mike Miner The Water Institute of the Gulf Syed Khalil CPRA	Jacques Hebert Environmental Defense Fund	Melissa Baustian Co-Moderator: Bingqing Liu The Water Institute of the Gulf	Giovanna McClenachan Nicholls State University	James Pahl CPRA	Jessica Dandridge Water Collaborative	John Andrew Nyman Louisiana State University
Jeff Andrews APTIM Building a Comprehensive Sediment Database Foundation to Support Louisiana Barrier Island and Marsh Restoration	Rev. Clavijo Bishop's Environmental Commission for the Episcopal Diocese of Louisiana A Faith Based Response to Coastal Erosion - A Time for Interfaith Churches to Act Together	Frank Tsai Louisiana State University Impacts of Groundwater Dynamics on Mississippi River Delta During Severe Hydrologic Events	Brian Roberts Louisiana Universities Marine Consortium Oiling Impacts on Salt Marsh Ecosystem Processes: Insights from a Large-Scale Marsh Mesocosm Experiment	Robert Twilley Louisiana Sea Grant Ecogeomorphology of Coastal Deltaic Floodplains and Estuaries in an Active Delta: Insights from the Atchafalaya Coastal Basin	Jessica Watts CDM Smith New Orleans Green Infrastructure – From Concept to Constructability	Paul Leberg University of Louisiana Trends and Challenges Faced by Brown Pelicans and Other Seabirds Nesting on Louisiana's Coastal Islands
Ben Beasley Applied Coastal Research and Engineering, Inc. Use of an Operational Sediment Budget for Planning, Management, and Evaluation of Barrier Island Restoration in South Louisiana	Jim Keith Freese and Nichols The Problem With 'Unprecedented': Mitigating Misinformation and Improving Risk Communication	Claire Jeuken Jasper Dijkstra Deltares USA Louisiana Storm Surge Effects Predicted by High-Resolution Vegetation Cover Derived From Satellite Remote Sensing	Giulio Mariotti Louisiana State University The Many Faces of Marsh Loss and Gain	John White Louisiana State University Consequences of Mississippi River Diversions on Nutrient Dynamics of Coastal Wetland Soils and Estuarine Sediments	Todd Baker CPRA Addressing Habitat Needs and Threats for Brown Pelicans and Other Colonial Nesting Water Birds	
Soupy Dalyander The Water Institute of the Gulf A Structured Decision-Making Approach to Regional Sediment Management: Informing Louisiana's Barrier Island System Management BISM Program		Scott Hagen Louisiana State University A Path to Assessing Risk in Flood Transition Zones of Coastal Louisiana	Yadav Sapkota Louisiana State University Mechanism of Wetland Loss Via Marsh Edge Erosion in Coastal Louisiana: Implication for Restoration	Tracy Quirk Louisiana State University Mississippi River Sediment Diversions and Coastal Wetland Sustainability: Synthesis of Responses to Freshwater, Sediment and Nutrient Inputs	Kim Mosby Louisiana State University Designing Resilient Communities in an Era of Climate Change: The Multi-Scalar Connection Between Government Policies, Local Development Practices, and Community Wellbeing	Katie Freer CPRA Case Study: Queen Bess Island Restoration Project
Andrew McQueen USACE Restoring Coastal Louisiana Marsh Habitat in West Bay Employing Beneficial Use of Dredged Sediment and Engineering with Nature Principles	Chris Mack Freese & Nichols Science of Effective Outreach Communication	Jim Chen Northeastern University Integrating High-Fidelity Models with Field Observations to Predict Storm Impacts on Louisiana Barrier Islands and Wetlands: Caminada Headlands	Carol Wilson Louisiana State University The Role of Shoreline Cannibalization for Sustaining Louisiana Marshes: Land Loss to Long-Term Accretion and Mineral Accumulation in Barataria Basin	John Day Louisiana State University Can Denitrification Explain Coastal Wetland Loss: A Review of Case Studies in The Mississippi Delta and New England	Ria Mukerji Louisiana State University Changing Geographies of Flood Mitigation Policies - A Case Study of Central Louisiana	William Vermillion Gulf Coast Joint Venture Colonial Waterbird Restoration: Lessons Learned and Future Directions

Thursday, June 3, 2021

Thursday, June 3, 2021								
Concurrent Session - 5 2:00 - 2:50	Session 33	Session 34	Session 35	Session 36	Session 37	Session 38	Session 39	Session 40
	Hydraulic and Channel Dynamics of the Lower Mississippi River and Atchafalaya River	Quantifying the Wider Benefits of Natural and Nature Based Features	Emerging Legal Conflicts	Mobilizing Research for the Betterment of the Future of the Gulf Coast	Nutrient Cycling from the Mississippi River to the Basins	Response of Deltaic Plain Wetlands to River Diversions: Synthesis of the State of the Science - Part 2	Regional Strategies for Climate Resilience	Insights into the Responses of Birds to Coastal Restoration & Subsidence
	Gary Brown USACE	Nigel Pontee Jacobs	Chris Dalbom Tulane University	Don Bosch Gulf Research Program	John White Louisiana State University	Angelina Freeman CPRA	Corey Miller CRCL	Erik Johnson National Audubon Society
	<p style="text-align: center;">Gary Brown USACE</p> <p>Numerical Model Analysis of Proposed Lateral Bar Dredging on Sedimentation in the Lowermost Mississippi River</p>	<p style="text-align: center;">Steven Scyphers Northeastern University Todd M. Swannack USACE Justin Kozak Center for Planning Excellence Hilary Stevens Restore America's Estuaries</p> <p>Resilience solutions involving NNBF solutions are increasingly popular on the worlds coasts. NNBF solutions are often promoted on the basis that they create a number of additional benefits in addition to decreasing flood and erosion risk. This discussion panel will help draw out what these benefits are, will illustrate how such benefits can be quantified e.g. by referring to examples where this has been done and will explore the areas where further work is needed. Key aspects to cover will be recreation, well-being, fisheries, water quality and carbon sequestration.</p>	<p style="text-align: center;">Daniel Bosch LSU Paul M. Hebert Law Center, Advocacy Programs</p> <p>Louisiana's 'Elephant in the Room': What Legal Remedies Would be Available Amid Failure of the Old River Control Structure</p>	<p style="text-align: center;">Laura Windecker The National Academies of Sciences, Engineering, and Medicine Christopher Esposito The Water Institute of the Gulf Krista Jankowski The Coastal Protection and Restoration Authority Olivia Sugarman Louisiana State University Jill Trepanier Louisiana State University</p> <p>This panel will highlight some of the \$16M investments that the Gulf Research Program has made in the State of Louisiana through grants and fellowships on research and capacity enhancements related to human dimensions, deltaic processes, and ecosystem condition and restoration</p>	<p style="text-align: center;">Alan Shiller University of Southern Mississippi</p> <p>Use of Stable Isotopes to Trace Mississippi River Discharge in Louisiana and Mississippi Coastal Waters</p>	<p style="text-align: center;">Sibel Bargu Louisiana State University</p> <p>Mississippi River Diversions and Phytoplankton Dynamics in Deltaic Gulf of Mexico Estuaries: A Review</p>	<p style="text-align: center;">Adam Hosking Jacobs</p> <p>Integrated Solutions for Coastal City Climate Resilience</p>	<p style="text-align: center;">Kiah Williams Tulane University</p> <p>Nest Success and Beach Renourishment: A Comparison of Three beach-nesting birds in Coastal Louisiana</p>
	<p style="text-align: center;">Bo Wang Louisiana State University</p> <p>Large River Diversion Effects on Downstream Channel Dynamics – A Case Study of the Upper Atchafalaya River</p>		<p style="text-align: center;">Naomi Yoder Healthy Gulf</p> <p>Researching LNG Development in Louisiana and Texas</p>		<p style="text-align: center;">Bingqing Liu Louisiana State University</p> <p>Multi-Decadal Environmental and Land Cover Change Impacts on Dissolved Organic Carbon Distribution in the Barataria Basin, Louisiana from In-Situ and Satellite Observations</p>	<p style="text-align: center;">Kehui Xu Louisiana State University</p> <p>A Review of Sediment Diversion in the Mississippi River Deltaic Plain</p>	<p style="text-align: center;">Chris Levitz AECOM</p> <p>Coastal Resiliency Planning: Defining and Moving Towards Resilience on the Coast</p>	<p style="text-align: center;">Erik Johnson National Audubon Society</p> <p>Habitat Associations of Black Rail in Coastal Louisiana Marshes – Implications for Permitting and Restoration</p>
	<p style="text-align: center;">Ming Tang Louisiana State University</p> <p>Channel Deformation in the Lower Atchafalaya River from 1977 to 2006</p>		<p style="text-align: center;">Mark Davis Tulane Institute</p> <p>The Role of Law and Policy in Harmonizing Mississippi River Nutrient Management with Coastal Restoration and Flood Protection</p>		<p style="text-align: center;">Hoonshin Jung The Water Institute of the Gulf</p> <p>Evaluation of Potential Impacts of Nutrients and Primary Production in the Barataria Basin in Response to Proposed the Mid-Barataria Sediment Diversion</p>	<p style="text-align: center;">Sam Bentley Louisiana State University</p> <p>Deltaic Morphodynamics and Stratigraphic Evolution of Middle Barataria Bay and Middle Breton Sound Regions, Louisiana, USA: Implications for River-Sediment Diversions</p>	<p style="text-align: center;">Amanda Taylor Geosyntec Consultants</p> <p>Coastal Watershed Planning and Climate Change</p>	<p style="text-align: center;">Mead Allison Tulane University</p> <p>Quantifying Land Subsidence in the Mississippi Delta Region Through In-SAR Time-Series Analysis</p>
	<p style="text-align: center;">T. Mitchell Andrus Royal Engineers and Consultants</p> <p>Projected Long-Term Delta Building Responses to Potential Flow Modifications at the Mississippi-Atchafalaya Bifurcation</p>		<p style="text-align: center;">Megan Terrell Plauch & Carr LLP</p> <p>Coastal Landloss Lawsuits; future settlement potential and framework</p>		<p style="text-align: center;">Peter Mates Louisiana State University</p> <p>Wetland Soil Phosphorus Forms and Cycling in the Barataria Basin Within the Area of Impact of the Planned Mid-Barataria Sediment Diversion</p>	<p style="text-align: center;">Navid Jafari Louisiana State University</p> <p>Wetland Soil Strength with Emphasis on the Impact of Nutrients and Sediments of Case Studies in The Mississippi Delta and New England</p>	<p style="text-align: center;">Rachelle Trahan Rachelle Trahan Design</p> <p>Inland from the Coast: Capturing Local Knowledge Through Visualization to Increase Adaptive Capacity in Communities Facing Climate Change</p>	
	3:00 - 3:50	Poster Session						
4:30 - 6:00	Virtual Reception							

Friday, June 4, 2021

Exhibit Hall

Plenary Session

Marcia McNutt, National Academy of Sciences
Student Awards

Sponsored by the Coastal Restoration and Protection Authority

9:00 - 9:50

10:00 - 10:50

Concurrent Session - 6

11:00 - 11:50

Session 41	Session 42	Session 43	Session 44	Session 45	Session 46	Session 47	Session 48
Mid-Basin Sediment Diversion Program I - Overview of Project Details, Features, and Status	Multi-Dimensional Considerations in Planning for Managed Retreat	Educating Louisiana's Next Generation of Coastal and Environmental Lawyers	Using Large-Scale Monitoring Data to Inform Future Planning	Remote Sensing Applications for Monitoring	Integrating Social Science with Natural Sciences in Gulf Coast Communities and Beyond	Climate-Proofing our Communities for the 21st Century	Modeling and Restoration Potential of Forested Wetlands
Dain Gillen CPRA	Jessica Simms Office of Community Development	Beaux Jones The Water Institute of the Gulf	Rachel Rhode Environmental Defense Fund	Alisha Renfro NWF	Natalie Snider Environmental Defense Fund	Steve Mathies	Shelby Barrett Pontchartrain Conservancy
Bruce Lelong AECOM Ranjit Jadhav FTN Associates, Ltd. Design of the Mid-Barataria Sediment Diversion Project	Balakrishnan Balachandran University of Illinois at Urbana Champaign Craig Colten Louisiana State University Colette Pichon Battle Gulf Coast Center for Law & Policy "This panel will explore and unpack the complex challenges and elements of planning for managed retreat, including climate-related risks and prioritization of risk tradeoffs; community, state and federal leadership, livelihood sustainability, place attachment, and restorative community development."	Edward Richards Louisiana State University Jim Wilkins Louisiana Sea Grant David Peterson CPRA This panel brings together a group of highly-respected academics and practitioners with wide-ranging experiences in the legal field to engage in a robust discussion about what the next generation of lawyers should be focusing on in their education and how current lawyers can expand their practice and skillsets to better meet the legal and policy challenges facing coastal Louisiana.	Shaye Sable Dynamic Solutions, LLC The CASM Food Web Model for Evaluating Biomass Responses and Energy Cycling in Louisiana's Estuaries	Marc Simard Jet Propulsion Laboratory NASA's Airborne and Field Campaign in the Mississippi River Delta: DELTA-X	Nina Berlin Rubin Stanford University Jason Holley Cornell University Simone Domingue University of Colorado - Boulder Elyse Mason Policy Research Group Corey Miller Coalition to Restore Coastal Louisiana Communities face mounting threats to their homes, health, and livelihoods from climate change, therefore scientific analysis of how social systems perceive, respond, and adapt to extreme ecological changes on a broad scale is needed. This panel will focus on ongoing research to inform community adaptation efforts for more effective and scalable solutions to assist decision-makers in understanding and integrating the socio-ecological system.	John Malueg Stantec Community Shift from Disaster Response to Damage Prevention	Victor Rivera-Monroy Louisiana State University Louisiana's Mangroves Carbon Storage Capacity in the Context of Increasing Subsidence and Sea Level Rates: Management Constraints and Economic Implications
			Torbjorn Tornqvist Tulane University Tipping Points of Louisiana's Coastal Marshes Due to Accelerated Sea-Level Rise – Has the Ship Sailed?	Brendan Brown CDM Smith The Use of Drones In Coastal Restoration Projects: Benefits and Challenges		Marius Sokolewicz Royal Haskoning DHV Innovative Approaches in Coastal Flood Protection to Increase Efficiency and Reduce Costs	Katie Percy National Audubon Society Can Coastal Restoration Projects Preserve Bald Eagle Haliaeetus leucocephalus Breeding Habitat in Coastal Louisiana?
Scott Peyton Stantec Consulting Services Inc. Design of the Mid-Breton Sediment Diversion Project			Angelina Freeman CPRA Implementing Agency-Coordinated Water Quality Monitoring in Coastal Louisiana: Challenges and Lessons Learned	Brady Couvillion USGS Assessing the Efficacy of Coastal Wetland Planning, Protection and Restoration Act CWPPRA Restoration Projects Intended to Create or Sustain Land		Dan Grandal Stantec Blue and Green Infrastructure for a Resilient Future in New Orleans	Gary Shaffer Southeastern Louisiana University Hydrologic Restoration of Two Baldcypress - Water Tupelo Swamps in Coastal Louisiana
			Josh Carter Mott McDonald Coastal Analysis and Restoration Applications of Machine Learning Methods	Alexandra Christensen Jet Propulsion Lab Multi-Source Remote Sensing Of Vegetation Dynamics In The Mississippi River Delta		Brian Snyder Louisiana State University Preparing Coastal Communities for Decarbonization-Induced Socio-Ecological Stress	Soroush Sorourian FTN-Associates, Ltd Hydrodynamic and Water Quality Modeling of Mississippi River Reintroduction into Maurepas Swamp

Friday, June 4, 2021

Lunch

Music by *Sweet Crude*. This indie pop band, which formed in 2012, performs songs in English and Louisiana French. Their latest album is *Officiel-Artificiel*.

Session 50	Session 51	Session 52	Session 53	Session 54	Session 55	Session 56	Session 57
Pushing Back and Moving Forward: A Story of Resilience in Barataria-Lafourche-Terrebonne	Louisiana's Climate Initiatives Task Force Overview and Update	Cultural Heritage Tools for Coastal Restoration	Science and Planning at the Watershed Scale	Coastal Education and Water Literacy: Louisiana's Nonformal Educational Ecosystem	Improving Resiliency Through Mapping: Using TEK to Determine Vulnerability and Sustainability	Processes and Responses on Barrier Islands	Modeling, Monitoring, and Adaptive Management of Diversions
John Doucet Nicholls State University	Charles Sutcliffe Louisiana Office of the Governor	Ella Camburnbeck GCR, Inc.	Allison DeJong Water Institute of the Gulf	Claire Anderson Ripple Effect	Laura Kelley Tulane University	Julie Bernier USGS	Brian Lezina CPRA
John Doucet Nicholls State University Sediment, Settlement, and Cyclone: The Fall and Rise of Southeast Coastal Louisiana at the Turn of the 20th Century	Harry Vorhoff Louisiana Office of the Governor Climate Initiatives Task Force Overview	Dr. Charles McGimsy Louisiana Department of Culture Chris Cook Pontchartrain Conservancy Nathan Lott Preservation Resource Center of New Orleans Kim Walden Tribal Historic Preservation Officer, Chitimacha Tribe of Louisiana This panel will focus on the inherent synergy between cultural heritage preservation and ecosystem restoration in Southeast Louisiana with a focus on practical tools for identifying and protecting special places.	Rachelle Sanderson Capital Region Planning Commission Transforming Challenges of Uncertainty and Fragmentation into Opportunities for Regional Watershed Governance and Collaboration	Sarah DeBacher Louisiana Endowment for the Humanities Increasing Community Awareness of Coastal Impacts through Prime Time Family Reading	Matthew Bethel Louisiana Sea Grant DeWitt Braud Louisiana State University Donald Dardar Pointe-au-Chien Indian Tribe Patricia Ferguson-Bohnee Arizona State University and Pointe-au-Chien Indian Tribe Tara Lambeth Terrebonne Parish Consolidated Government Louisiana Sea Grant has worked with the Pointe-au-Chien Indian Tribe to document the Tribe's TEK and has developed maps based on this data to better understand the dominant factors contributing to the community's physical vulnerability to coastal hazards and to provide data to help the Tribe with its plans of sustainability.	James McMenis CPRA West Grand Terre Island and the Need for Beach Nourishment and Stabilization	Gongqiang He FTN Associates, Ltd. Flow-3D Modeling of Hydraulic Design of Sediment Diversions: The Mid-Barataria Sediment Diversion
Susan Testroet-Bergeron Barataria-Terrebonne National Estuary Program Louisiana's Coastal Citizens: Looking Back, Adapting, and Moving Forward	Dr. Alyssa Dausman The Water Institute of the Gulf Utilizing Structured Decision Making to Develop Climate Policy		Haihong Zhao Arcadis Study of the Combined Effects of Rainfall and Storm Surge in Upper Barataria Basin	Murt Conover Louisiana Universities Marine Consortium An Introduction to LUMCON Education and Outreach Programs		Julie Bernier USGS Landscape Evolution of the Northern Chandeleur Islands Driven by Storms and Human Modification	Agnimitro Chakrabarti FTN Associates, Ltd. Numerical Modeling of Hydrodynamics and Sediment Transport for Sediment Diversion Design: Challenges and Lessons Learnt from the Mid-Barataria Sediment Diversion
Gary LaFleur Nicholls State University Integrating the Louisiana Coast into the College Curriculum	Lindsay Cooper Louisiana Office of the Governor Colleen McHugh The Water Institute of the Gulf Climate Strategies and Actions & Evaluating the Potential Outcomes		Randy Bushey Jacobs Engineering Group Watershed-Based Flood Reduction and Habitat Restoration Lessons Learned	Brian Gautreau LSU AgCenter Taking Coastal Education and Water Literacy Statewide through Teacher Trainings and Field Experiences		Jennifer Miselis U.S. Geological Survey Natural and Human-Related Variability in Sediment Flux at the Chandeleur Islands, LA	Natalie Snider Environmental Defense Fund Enabling Robust Adaptive Management for Sediment Diversions
Windell Curole South Lafourche Levee District Evacuation, Elevation, and Innovation: Community Survival in a Subsiding Delta	Harry Vorhoff Louisiana Office of the Governor Offshore Wind Development in the Gulf of Mexico		Thomas Douthat Louisiana State University Analyzing the State of Multi-Jurisdictional Watershed Planning in the Upper Pontchartrain Basin	Heather Fox David Louisiana Department of Wildlife & Fisheries Aquatic Outreach and Education Program		Marc Neliz ESSA Enabling Adaptive Management of Diversions with a Real-Time Operations Tool	

12:00 - 12:50

12:40 - 1:00

Concurrent Session - 7

1:00 - 1:50

June 4, 2021

Concurrent Session - 8

2:00 - 2:50

3:00 - 3:50