Monday, January 27, 2025

Registration and Check-in

7:30 a.m. to 5 p.m.

River Concourse, Wilmington Convention Center

Speaker Ready Room

7:30 a.m. to 5 p.m.

Meeting Room 102

Special Interest Meetings – *Require Preregistration*

9 a.m. to Noon

Advancing Science and Service with NOAA's New Flood Inundation Maps, Economic Data, and the Coastal Inundation Community of Practice

Salon A

The Future of the U.S. Mapping Coordination Site

Salon B

FutureScape Resilience Simulation

Salon C

Overview of National Geodetic Survey Tools and the Modernized National Spatial Reference System

Salon D

Lunch on Your Own

Noon to 1:30 p.m.

Special Interest Meetings – *Require Preregistration*

1:30 to 4:30 p.m.

Uncrewed Aircraft Systems for Coastal Research and Management

Salon A

*Denotes a presentation from a Digital Coast partner

Navigating Various Changing Water Level Tools

Salon B

Tribal and Indigenous Technical Assistance Coordination and Planning

Salon C

Continued: Overview of National Geodetic Survey Tools and the Modernized National Spatial Reference System – *Ends at 2:30 p.m.*

Salon D

Exhibitor Reception

5:30 to 7:30 p.m.
Exhibit Hall

Join our sponsors and exhibitors to learn about their services and tools. Reconnect with old colleagues and meet new ones. Light refreshments are provided.

Tuesday, January 28, 2025

Registration and Check-in

7:30 a.m. to 5 p.m.

River Concourse, Wilmington Convention Center

Speaker Ready Room

7:30 a.m. to 5 p.m.

Meeting Room 102

Ad Hoc Meetings and Gatherings

7:30 a.m. to 5 p.m.

Meeting Room 103

Are you looking for a space to meet with a colleague? This space is available daily for attendees to meet. There is a sign-up sheet outside the room. Please add your meeting to the sheet to reserve the space.

Zen Room

9 a.m. to 5 p.m.

Meeting Room 104

This room is intended as a recharge space for meeting attendees. Enjoy the coloring books and other materials to help find your zen! **Please, no meetings in the room after 9 a.m.**

Continental Breakfast

7:30 to 9 a.m.
Exhibit Hall

New Participant Orientation Breakfast

7:30 to 8:30 a.m.
Salon D

Are you a new attendee at Coastal GeoTools? Grab your breakfast and join us for the new participant orientation! This session helps to prepare you for what to expect over the next two-and-a-half days, so you can make the most of your experience. All are welcome to join whether you registered in advance for the session or not!

*Denotes a presentation from a Digital Coast partner

Welcome and Opening Plenary

9 to 10:30 a.m.

Salons A/B/C, Grand Ballroom

Moderator and ASFPM Welcome

Chad Berginnis, executive director, Association of State Floodplain Managers (ASFPM)

NOAA Welcome

Rachael Dempsey, deputy assistant administrator for navigation, observations, and positioning, National Ocean Service

Keynote Address: Reflecting Indigenous Relations in Open Science, Coastal Management, and Geospatial Analyses

Katie Jones, research scientist, National Science Foundation's National Ecological Observatory Network and an enrolled member of the Blackfeet Nation

Break

10:30 to 11 a.m.

Exhibit Hall

Concurrent Sessions

11 a.m. to 12:30 p.m.

Engaging Users in Data and Tool Development

Salon A

Community-Driven Coastal Resilience: From Restoration to Adaptation

Carla Avila-Martinez and Alex Mignogna, Surfrider Foundation

Digital Coast Act: Accomplishments and Reauthorization

John Palatiello, U.S. Geospatial Executives Organization, Miller Wenhold Capitol Strategies, and Digital Coast Partnership Advocacy Coalition; Jeff Lovin, Woolpert

Public Perceptions of Nature-Based Coastal Solutions in the United Kingdom

Avidesh Seenath, Environmental Change Institute, University of Oxford; Scott Mark Romeo Mahadeo, University of Portsmouth; Jade Catterson, Coventry University

Creating Better Coastal Resources GIS Viewer Experiences for the Nonprofessional User

Nicholas Wellbrock, AECOM

Short and Sweet: Benthic Characterizations

Salon B

Discover Your Data's Depth: ArcGIS Bathymetry and its Role in Seafloor/Habitat Classification

Meredith Payne, Esri

Improving Seafloor Characterization via Grain Size Analysis with Low-Cost Imagery

Mark Borrelli and Sean Terrill, University of Massachusetts, Boston; Agnes Mittermayr and Bryan Legare, Center for Coastal Studies

Coastal Ecosystem Map Application Platform (CEMAP)

Stefan Claesson, Nearview

Updating the Coastal and Marine Ecological Classification Standard (CMECS)

Kate Rose, Northern Gulf Institute, Mississippi State University; Matt Dornback, NOAA's Office for Coastal Management

Application of the Coastal Marine Ecosystem Classification System (CMECS) to Create Benthic Geologic Habitat Maps for Portions of Acadia National Park, Maine

Bryan Oakley, Eastern Connecticut State University

Seascapes of the Gulf of Maine: Automated Geomorphon Classification of the Seabed

Matt Dornback, NOAA's Office for Coastal Management; Mary Jo Watson, Tetra Tech; Mark Finkbeiner, NOAA's Office for Coastal Management; Joanna Hobson, Tetra Tech

Pilot Framework for Fish Habitat Assessments Across Tidal and Nontidal Waters in the Patuxent River Basin

Hannah Nisonson, Consolidated Safety Services; Alexander Kiser, U.S. Geological Survey; A.K. Leight, Cooperative Oxford Laboratory, NOAA; Benjamin Gressler and John Young, Eastern Ecological Science Center, U.S. Geological Survey

Remote Sensing of Wetlands

Salon C

Mapping Coastal Marshlands with Topobathymetric Lidar

Paul Burrows, Whiteout Solutions

Remote Sensing in Support of Ecosystem Restoration Monitoring: A Case Study at Two Wetland Restoration Sites in Coastal Louisiana

Molly K. Reif, Aaron N. Schad, Justin L. Shawler, Aleksandra Ostojic, Lynde L. Dodd, Katie L. Vasquez, Christopher L. Macon, and Joseph H. Harwood, U.S. Army Corps of Engineers, Engineer Research and Development Center, Environmental Laboratory, Coastal and Hydraulics Laboratory, and Joint Airborne Lidar Bathymetry Technical Center of Expertise

Developing a Protocol to Enhance Tidal Wetland Vegetation Monitoring with Drones

Justin Ridge and Kerryanne Newman, North Carolina Coastal Reserve and National Estuarine Research Reserve; Cristiana Falvo, Ramboll; Charles Deaton, North Carolina Division of Marine Fisheries; Brittany Morse, University of North Carolina Wilmington; Erik Smith, University of South Carolina; Brandon Puckett, NOAA's National Centers for Coastal Ocean Science

High-Resolution Remote Sensing for Connecticut's Marshes

Emily Wilson, University of Connecticut; Min Huang, Connecticut Department of Energy and Environmental Protection

Discussion: Building Capacity for Climate Resilience in Coastal Plain Tribal Communities

Salon D

Panelists:
- Beth Roach, Nottoway Indian Tribe of Virginia, Sierra Club, and Tribal Coastal Resilience Connections
- Jocelyn Painter, Winnebago Tribe of Nebraska, Duke University
- Kullen Bell, Coharie Indian Tribe, Great Coharie River Initiative
- Giancarlo Richardson, Haliwa-Saponi Indian Tribe, Tribal Coastal Resilience Connections Team

This session provides a forum for the Tribal Coastal Resilience Connections team (TCRC) to review the activities conducted during phase 1 of the Tribal Resilience Project and detail ongoing phase 2 initiatives.

Discussion: Digital Coast Connects—Hazards, Flooding, Underrepresented Communities*

Salon E

Panelists:
- Rebecca Roth, National Estuarine Research Reserve Association
- Vidya Balasubramanyam, Coastal States Organization

Connecting communities to digital coast tools and resources requires critical partnerships and people in order to improve resilience to flooding and hazards. Through NOAA's Office for Coastal Management, many Digital Coast partner organizations were given funding and an opportunity to reach underrepresented communities. Digital Coast partners, the National Estuarine Research Reserve Association, and the Coastal States Organization will spotlight several stories and lessons learned.

Short and Sweet: Elevation Data and Tools

Salon F

Mapping Hidden History with Coastal Lidar: A Story from the Island of Tinian

Robbie Greene, Pacific Coastal Research and Planning

Enhancing Advanced Circulation (ADCIRC) Modeling in American Samoa and Guam: A Methodological Approach to Derived Digital Elevation Models (DEMs)
Kathryn Smith and Scott Spurgeon, U.S. Army Corps of Engineers

Using U.S. Geological Survey Elevation Data in the Chesapeake Bay Watershed for Climate Adaptation
Eliza Gross, U.S. Geological Survey

Coastal National Elevation Database (CoNED) Difference/Threshold Masking Tool+
Taylor Hansen, U.S. Department of the Interior, U.S. Geological Survey, and KBR, Inc.

National Centers for Environmental Information's Seafloor Science Information Center (SSIC) – Advances in Digital Elevation Model Development and Validation
Elliot Lim, Michael MacFerrin, Matthew Love, Christopher Amante, Kelly Carignan, and Barry Eakins, Cooperative Institute for Research in Environmental Sciences, NOAA's National Centers for Environmental Information; Kelly Stroker, NOAA's National Centers for Environmental Information

Uncrewed Arial Vehicle (UAV) Coastal Reconnaissance for Understanding and Mitigating Flooding Impacts on Surface Transportation Networks
George McLeod and Thomas Allen, Old Dominion University; Blake Steiner, Center for Geospatial Science, Education and Analytics (GeoSEA), Old Dominion University

Automated Generation of an Urban Synthetic Elevation Checkpoint Network
Alexander Seymour, U.S. Geological Survey

Exhibitor Luncheon

12:30 to 2 p.m.
Exhibit Hall

Concurrent Sessions

2 to 3 p.m.

High-Resolution Land Cover

Salon A

A Next Generation Coastal Land Cover
Nate Herold, NOAA's Office for Coastal Management

Bridging the Gap in Coastal Hazard Resilience Through High-Resolution Mapping
Thomas Peck, Ecopia AI

Harmonizing Hydrography, Wetlands, and Land Cover Data for Better Informed Decision-Making: The Wisconsin "OneMap" Project

Jim Giglierano, Wisconsin Department of Administration; Jeff DuMez, Brown County Planning and Land Services Department; Andrew Brenner and Chris Robinson, NV5 Geospatial

Short and Sweet: Climate Adaptation Strategies

Salon B

Opportunities for Protecting Future Wetlands and Migration Corridors[*]

Will Collins, The Nature Conservancy

Quantifying Coastal Squeeze: Sea Level Rise and Marsh Migration Potential in Coastal Virginia

Thomas Allen, Old Dominion University

Beaufort County Adapts: Sea Level Rise Impacts on Groundwater and Septic Systems

Landon Knapp, South Carolina Sea Grant Consortium, College of Charleston

Building Resilient Coastal Communities: The Role of GIS in Adaptive Housing Strategies

Claire Babineaux, The GEO Project

Mapping Environmental Justice Priorities Across the U.S. Coastal States and Territories – Developing the Coastal State Organization's First Environmental Justice Policy

Natalie Cross, Coastal States Organization

Climate Change and Conservation Decision Support Tools

Salon C

U.S. Geological Survey Products and Data to Support Coastal and Resource Management

Darcee Killpack, U.S. Geological Survey

GIS for the Ocean: Transforming Ocean Data into Actionable Knowledge

Mimi Diorio, NOAA's Office of National Marine Sanctuaries; Keith VanGraafeiland and Dan Pisut, Esri

Marshes for Maine's Future: A Collaborative Science Model for Transferring Geospatial Science

Christine Feurt, Wells National Estuarine Research Reserve

Discussion: Resilient Land Use Planning*

Salon D

Panelists:
- Jack Smith, Nelson Mullins and Urban Land Institute
- American Planning Association

Learn land use planning best practices for climate change adaptation and resilient communities through the lens of Charleston, South Carolina's Water Plan land use reforms.

Coastal Management Policy in the Great Lakes

Salon E

Coastal Hazard Regulations in Great Lake States*
Alan Lulloff, Association of State Floodplain Managers

Enhancing Great Lakes Coastal Resilience Through Local Capacity Building and Nature-Based Engineering Design Solutions
Sue Hoegberg and Tyler Hackett, Dewberry

Ohio's Lake Erie Scenic Vistas: Developing the Program, Designating Sites, and Building Local Partnerships
Brian George, Office of Coastal Management, Ohio Department of Natural Resources

New Federal Datasets for Sea Level Rise and Flooding

Salon F

Taking Stock – Building Stock Datasets Used in Assessing Coastal Hazards
Brian Caufield and Marlee Newman, CDM Smith

Planning for Coastal Climate Change Hazards with the U.S. Geological Survey's Coastal Storm Modeling System and HERA Web Tool: Geographic Expansion, End User Engagement, and Use Case Examples
Maya Hayden and Patrick Barnard, Pacific Coastal and Marine Science Center, U.S. Geological Survey; Nathan J. Wood, Western Geographic Science Center, U.S. Geological Survey

The Power of Community Modeling: Bridging Gaps in Historical Water Level Observations with NOAA's Coastal Ocean Reanalysis (CORA)
Analise Keeney, NOAA's Center for Operational Oceanographic Products and Services

Tools Showcase

3 to 5 p.m.
Break refreshments will be served in the Tools Showcase.

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The West Coast Ocean Data Portal's Marine Planner Visualization Tool: An In-Browser Mapping Solution for Ocean Data Exploration and Decision-Making

Laura Bliss, West Coast Ocean Data Portal; Andy Lanier, West Coast Ocean Data Portal and Oregon Coastal Management Program; Ryan Hodges, Ecotrust; Tanya Haddad, Oregon Coastal Management Program; John Hansen, West Coast Ocean Alliance

The Mid-Atlantic Ocean Data Portal

Avalon Bristow and Nick Napoli, Mid-Atlantic Regional Council on the Ocean; Karl Vilacoba, Urban Coast Institute, Monmouth University

The Northeast Ocean Data Portal and Offshore Wind and Wildlife Research Planning Map

Emily Shumchenia, Nicholas Napoli, and Samantha Coccia-Schillo, Northeast Regional Ocean Council and Regional Wildlife Science Collaborative for Offshore Wind; Kelly Knee, Jenna Ducharme, Jeremy Fontenault, and Stephen Sontag, RPS—Tetra Tech; Peter Taylor, Wat

NOAA's Sea Level Calculator

William Brooks and Doug Marcy, NOAA's Office for Coastal Management; Megan Treml, Lynker at NOAA's Office for Coastal Management; Tigist Jima and John Callahan, NOAA's Office for Operational Oceanographic Products and Services

Visualizing Future Wetlands and Coastal Squeeze Using 3D WebGIS, Sea Level Rise Affecting Marsh Model (SLAMM), and NOAA's Digital Coast

Nicole Carpenter, Thomas Allen, Yin-Hsuen Chen, and George McLeod, Old Dominion University

Mote Marine Laboratory's Beach Conditions Reporting System: Protecting Public Health Through Community Science

Aspen Cook, Mote Marine Laboratory

South Carolina Coastal Atlas: Using ArcGIS StoryMaps to Explore the History, Tools, Services, and Initiatives of the South Carolina Coastal Management Program

Lyndsey Davis, Bureau of Coastal Management, South Carolina Department of Environmental Services

U.S. Geological Survey Total Water Level and Coastal Change Forecast Viewer

Kara Doran, Michael Slattery, Richard Snell, and Meg Palmsten, St. Petersburg Coastal and Marine Science Center, U.S. Geological Survey; Li Erikson and Alex Nereson, Pacific Coastal and Marine Science Center, U.S. Geological Survey

Leveraging and Expanding a Data Ecosystem to Support Decision-Making

Mary Ford, Mid-Atlantic Regional Association Coastal Ocean Observing System

Improvements to the U.S. Geological Survey's Digital Shoreline Analysis System (DSAS)

Rachel Henderson, Marie Bartlett, Amy S. Farris, and Emily A. Himmelstoss, U.S. Geological Survey; Meredith G. Kratzmann, Cherokee Nation System Solutions contracted to the U.S. Geological Survey

New York Geographic Information Gateway: A Support Tool for New York Coastal Managers and Beyond

Jeff Herter, Office of Planning, Development and Community Infrastructure, New York State Department of State; Nick Floersch, Stone Environmental

NOAA's High Tide Flooding Outlooks Help Users Plan for Future Flood Risks

Karen Kavanaugh and Analise Keeney, NOAA's Center for Operational Oceanographic Products and Services

ERDDAP2AGOL: An Easy-to-Use ERDDAP to ArcGIS Online Data Pipeline

Jerad King, Gulf of Mexico Coastal Ocean Observing System

Modernizing Grant Management: North Carolina Coastal Access Grant Dashboard

Rachel Love-Adrick, North Carolina Division of Coastal Management

Federal Flood Standard Support Tool

Doug Marcy and William Brooks, NOAA's Office for Coastal Management; Andrew Martin, Federal Emergency Management Agency; Megan Treml, Lynker at NOAA's Office for Coastal Management

The U.S. Geological Survey's Hazard Exposure Reporting and Analytics (HERA) Web Tool

Alex Nereson and Maya Hayden, Pacific Coastal and Marine Science Center, U.S. Geological Survey; Nathan J. Wood, Western Geographic Science Center, U.S. Geological Survey

Accessing Geodetic Control and Datum Transformations

Galen Scott and Mike Aslaksen, National Geodetic Survey, NOAA

NOAA CoastWatch Data Portal

Michael Soracco and Veronica Lance, NOAA's National Environmental Satellite, Data, and Information Service, STAR, Satellite Oceanography and Climatology Division

NJRESTORS – A Custom ArcGIS Web Application to Visualize Areas and Projects for Wetland Restoration

Michelle Stuart, Rutgers, The State University of New Jersey; Richard Lathrop, Center for Remote Sensing and Spatial Analysis, Rutgers, The State University of New Jersey

Toolkit for Assessing Sea Level Rise Impacts and Adaptations on Coastal Pavements

Wei Sun, Jo Sias, and Eshan Dave, University of New Hampshire

Coastal Risk Finder: Climate Central's New All-In-One Tool for Assessing, Communicating, and Responding to Coastal Flood Risk

Kelly Van Baalen, Climate Central

GeoCoast3D: Visualizing the Impact of Inundation on the Gulf Coast

John van der Zwaag and John Cartwright, Mississippi State University

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Regional Coastal Data Analysis Using the JALBTCX Toolboxes

Jennifer Wozencraft, Scott Spurgeon, Ashley Elkins, and Aleks Ostojic, Coastal and Hydraulics Laboratory, U.S. Army Engineer Research and Development Center

Deriving Island Shorelines from Low-Resolution Satellite Imagery

Walter Zesk, Skylar Tibbits, Peter Stempel, and Tishya Chhabra, Massachusetts Institute of Technology

The National Risk Index: Future Risk—Helping Build Hazard Resilience in a Changing World

Casey Zuzak, Emiliano G. Santin, and Katherine Landers, Federal Emergency Management Agency; Patrick McGuire and Jon Kidder, ABS Consulting

The Coastal and Marine Ecological Classification Standard (CMECS) Catalog Discovery and Access Tools

Kate Rose, Northern Gulf Institute, Mississippi State University; Matt Dornback, NOAA's Office for Coastal Management

A Bird's-eye View: Coastal Wetland Geospatial Products from the U.S. Geological Survey

Zafer Defne, Katherine V. Ackerman, and Neil K. Ganju, U.S. Geological Survey and the Woods Hole Coastal and Marine Science Center

Wednesday, January 29, 2025

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Continental Breakfast

7:30 to 9 a.m.

Exhibit Hall

Morning Plenary

9 to 10:30 a.m.

Salons A/B/C, Grand Ballroom

Data Sovereignty Panel Discussion

- Jean Tanimoto, Pacific regional director, NOAA's Office for Coastal Management
- Tony LaVoi, chief data officer, NOAA's Chief Information Office
- Beth Roach, campaign manager, Sierra Club's National Water Conservation and vice chair, Nottoway Indian Tribe of Virginia's Tribal Council
- Garet Coach, president and chief executive officer, National Tribal Geographic Information Support Center
- Nathan Lillie, special assistant to the Deputy Director of Trust, Bureau of Indian Affairs (invited)

This panel will discuss issues around data sovereignty including: what data are we talking about, what are the challenges that communities, including Indigenous communities and tribes, are facing, and what are our ways forward.

Break

10:30 to 11 a.m.

Exhibit Hall

Concurrent Sessions

2 to 3 p.m.

Sea Level Rise Data and Management

Salon A

Predictive Sea Level Rise Models for a Regulatory Framework: Navigating the Legal Landscape

Alan Clinton and Kaaina Hull, County of Kauai Planning Department

Moving Beyond General Flood Risk Information Toward Local Tailored Guidance

Trevor Meckley and Sarah Pease, NOAA's National Centers for Coastal Ocean Science

An Automated Vertical Datum Transformation Workflow for Coastal Data Products

Joan Herrmann, Lynker at NOAA's Office for Coastal Management; William Brooks and Doug Marcy, NOAA's Office for Coastal Management

Recalculating Shoreline Mileage for the Nation

Maryellen Sault and Mike Aslaksen, NOAA's National Geodetic Survey

Ocean Planning – Part 1

Salon B

Marine Life Distribution and Abundance Models: Updates and Future Work

Sarah DeLand, Jesse Cleary, Ei Fujioka, Jason Roberts, Debbie Brill, Ben Donnelly, and Corrie Curtice, Marine Geospatial Ecology Lab, Duke University

3D Habitat Mapping of the Rocky Intertidal and Drone-Based Kelp Mapping on the California Coast

Abreanna Gomes and Elyas Scott, Kashia Band of Pomo Indians

Improving AIS Vessel Identification through an Innovative AIS Vessel Validation Database

Jeremy Fontenault, Tetra Tech; Jesse Brass and Daniel Martin, CSS Inc. at NOAA's Office for Coastal Management

Developing Methods for Determining If and Why Dredging Vessel Sensor Data Is Anomalous

Jesse Hall, Rhonda Lenoir, and Andrew Keith, U.S. Army Corps of Engineers; Ross Winans, Athena Liu, and Gabe Sataloff, NV5 Geospatial

The Use of Drones in Coastal Management

Salon C

Deploying Uncrewed Aerial Vehicle (UAV) Technology to Assess Typhoon Impacts in Vulnerable Communities in Guam

John Borja and Keanno Fausto, Micronesian Area Geospatial Information Center (MAGIC) Lab, University of Guam; Romina King, NASA Guam Space Grant, Pacific Islands Climate Adaptation Science Center, University of Guam; Jonelle Sayama, Kaya Taitano, Dong Won Lee, Frank Lujan, and Danielle Hagen, Micronesian Area Geospatial Information Center (MAGIC) Lab, University of Guam

Using Uncrewed Aerial Vehicles to Estimate Surface Flow

Conor O'Hara and Michael Durbano, EA Engineering, Science, and Technology, Inc., PBC

Demonstrating Effective Integration of Unmanned Aircraft Systems (UAS) with Hydrological and Geochemical Monitoring for Mapping Coastal Marshes

Jin-Si Over, Seth Ackerman, Jennifer Cramer, Sandra Brosnahan, and Meagan Eagle, Wood Hole Coastal and Marine Science Center, U.S. Geological Survey

Office of Response and Restoration (OR&R) Remote Sensing and Standards Development

George Graettinger and Robb Wright, NOAA's Office of Response and Restoration; Mike Greer, Genwest Systems

Discussion: Empowering Tribal Communities Through Geographic Information System (GIS) Training: A Collaborative Partnership Between Mississippi State University and the Bureau of Indian Affairs (BIA)

Salon D

Panelists:
- Dixie Cartwright, Geosystems Research Institute, Mississippi State University
- John Cartwright, Geosystems Research Institute, Mississippi State University
- Claire Babineaux, Geosystems Research Institute, Mississippi State University
- Tracey DuBard, Geosystems Research Institute, Mississippi State University
- David Vogt, Bureau of Indian Affairs
- Tony Hayba, Geophysical Institute, University of Alaska Fairbanks

Learn how Mississippi State University (MSU) and the Bureau of Indian Affairs (BIA) have partnered to provide online geospatial training, offering essential GIS skills to Tribal communities for development, resource management, and cultural preservation.

Discussion: NOAA's Climate Resilience Regional Challenge—Leveraging Partnerships to Advance Climate Resilience

Salon E

Panelists:
- Margaret Morrison, NOAA's Office for Coastal Management
- Jessica Eason, NOAA's Office for Coastal Management
- TBA

This panel brings together project leads from the Climate Resilience Regional Challenge projects to discuss their unique approaches to leveraging partnerships to further resilience in their regions, as well as the diverse set of tools they will use in their adaptation strategies. This interactive conversation highlights the innovative and transformational projects as well as facilitates technical assistance and partnerships between project teams and across the climate adaptation field.

Topobathy Mapping

Salon F

The U.S. Geological Survey's Coastal National Elevation Database (CoNED): Integrated Topobathymetric Models and Applications for the U.S. Coastal Zone

Jeffrey Danielson, Monica Palaseanu-Lovejoy, W. Matthew Cushing, Dean Gesch, Jeffrey Irwin, and Cynthia Miller-Corbett, U.S. Geological Survey

From Tropics to Tundra: Topographic/Bathymetric Lidar Data Acquisition in Remote Areas

Megan Blaskovich and Grant Twilley, Woolpert

Offshore Topobathy Lidar Mapping in the Gulf of Mexico Waters of Florida

Stephanie Padilla and Emily Klipp, Dewberry

Tips on Modeling Sea Level Rise Inundation at Landscape Scales with Local Resolution Elevation Data on Your Laptop

Doug Newcomb, U.S. Fish and Wildlife Service

Exhibitor Luncheon

12:30 to 2 p.m.
Exhibit Hall

Concurrent Sessions

2 to 3:30 p.m.

Development of Regional Resilience Metrics

Salon A

Creating Geospatial Coastal Climate Resilience Indicators: Challenges and Best Practices

AnnaClaire Marley and Lindy Lowe, ERG; Tom Bowen, Mathematica; Alyssa Mann, The Nature Conservancy

Developing Regional Data Products for Climate Adaptation

Ben McFarlane, Hampton Roads Planning District Commission

Navigating Resilience: Using a Parcel-Level Resilience Analytics Framework to Address Coastal Flooding and Water Quality Challenges in South Florida

Erin Rothman and Doug Wurst, Merak Labs LLC

Addressing Vulnerabilities Along the Ribault and Trout Rivers in Duval County, Florida: Using GIS Tools and Data-Driven Methodologies

Ashley Johnson, Jacksonville University

Short and Sweet: Ocean Planning – Part 2

Salon B

Comparing Vessel Traffic Data for Marine Spatial Planning in the U.S. Central Atlantic
Kendall Barton, Marine Geospatial Ecology Lab, Duke University; Bryce O'Brien, CSS Inc. at NOAA's National Centers for Coastal Ocean Science; Jesse Cleary, Sarah DeLand, and Patrick Halpin, Marine Geospatial Ecology Lab, Duke University; James A. Morris, Jr., NOAA's National Centers for Coastal Ocean Science

What Ocean Characteristics Drive Exclusion and Suitability in Offshore Wind Siting Models?
Isaac Keohane and Brian Free, CSS Inc. at NOAA's National Centers for Coastal Ocean Science; James A. Morris, Jr., NOAA's National Centers for Coastal Ocean Science

Exploring the U.S. Integrated Ocean Observing System (IOOS) Model Viewer: A Comprehensive Tool for Ocean Observations and Predictions
Breanna Vanderplow and Kathleen Bailey, NOAA's Integrated Ocean Observing System; Sheri Schwartz and Kelly Knee, RPS/Tetra Tech

Building the Marine Cadastre Hub: Your Trusted Source for Ocean Geospatial Data
Jacob Mark, Dewberry; Dave Stein, NOAA's Office for Coastal Management

Mapping, Monitoring, and Prioritizing Large Marine Debris Removals in Micronesia: A Brief Tour of Wrecks on Reefs
Robbie Greene, Pacific Coastal Research and Planning

The West Coast Ocean Health Dashboard Kelp Indicator: Creating Coast-Wide Regional Data Products to Understand Canopy-Forming Kelp Status and Trends
Laura Bliss and Andy Lanier, West Coast Ocean Data Portal; Christina Frieder and Steve Weisberg, Southern California Coastal Water Research Project; John Hansen, West Coast Ocean Alliance

Mapping Small-Scale Fisheries: Using Synthetic Aperture Radar (SAR) to Develop a Commercial Fisheries Footprint of the U.S. Caribbean
Sophie Moyer, Marine Geospatial Ecology Lab, Duke University; Jennifer Au, CSS Inc. at NOAA's National Centers for Coastal Ocean Science; Patrick Halpin, Jessie Cleary, and Sarah DeLand, Marine Geospatial Ecology Lab, Duke University; James A. Morris, Jr., NOAA's National Centers for Coastal Ocean Science

Bathymetric Mapping and Data Management

Salon C

CZMIL SuperNova Performance, Results, and Innovations in a Freshwater Environment
Ben Babbel, Tetra Tech

Data Pipeline for Consolidation and Management of Seafloor Data
Jenna Ducharme, Tetra Tech; Emily Shumchenia, Northeast Regional Ocean Council and Regional Wildlife Science Collaborative for Offshore Wind; Andy Nguy and Kelly Knee, RPS/Tetra Tech

Bathymetric Lidar Specifications, Expectations, and Reality
Christopher Macon and Nicholas Johnson, Joint Airborne Lidar Bathymetry Technical Center of Expertise, U.S. Army Corps of Engineers

Automated Model for Improved Mapping of Country-Scale, High-Resolution Coastal Bathymetry
Matthew McCarthy, Oak Ridge National Laboratory; Ishan Joshi and Dariusz Stramski, Scripps Institution of Oceanography; David Hughes, Oak Ridge National Laboratory; Rick A. Reynolds, Scripps Institution of Oceanography

Discussion: Harnessing Partnerships for Coastal Innovation—Driving Data Access and Resilience Through State and National Collaboration*

Salon D

Panelists:
- Dr. Leslie Jones, State of Alaska Geospatial Office
- Kim Jackson, Florida Geographic Information Office
- Natalie Lee, Georgia Geospatial Information Office
- Colleen Kiley, North Carolina Center for Geographic Information and Analysis

Data is the foundation for decision-making. Partnerships are the foundation for creating and accessing actionable data. Learn how state geospatial offices and coordinating councils are leading state and national efforts to make data F.A.I.R.— Findable, Accessible, Interoperable, and Reusable—supporting coastal hazards, climate adaptation, and management decision-making. Don't know about state and national spatial data infrastructures? Join us in this session.

Discussion: Pathways to Access—Conversations with Users on Building Useful and Usable Coastal Management Tools*

Salon E

Panelists:
- Lian Plass, American Planning Association

This session allows attendees to learn more about current initiatives, engage in discussion, and provide input regarding ways in which NOAA's Digital Coast platform can better serve stakeholders and improve equitable access to coastal management resources.

Coastal Erosion and Shoreline Change – Part 1

Salon F

Where's the Beach?
Nathan de Ropp, AECOM; Amara Regehr, CDM Smith

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*Denotes a presentation from a Digital Coast partner

Geospatial Tools for Characterizing Storm-Driven Geomorphic Change on Sandy Estuarine Beaches

Aleksandra Ostojic, Justin Shawler, Charlene Sylvester, Scott Spurgeon, and Ashley Elkins, Engineer Research and Development Center, U.S. Army Corps of Engineers; Elizabeth Godsey, Mobile District, U.S. Army Corps of Engineers

Geomorphic Characterization of the Lakeshores of Lake Michigan, Lake Ontario, and Lake Superior from Regional Topobathy Lidar Datasets

Charlene Sylvester, Engineer Research and Development Center, U.S. Army Corps of Engineers

The JALBTCX Toolbox Framework: User's Guides and Use Cases

Scott Spurgeon, Ashley Elkins, and Aleks Ostojic, Engineer Research and Development Center, U.S. Army Corps of Engineers

Break

3:30 to 4 p.m.
Exhibit Hall

Concurrent Sessions

4 to 5 p.m.

Wetland Habitat Mapping

Salon A

Restoring the San Francisco Baylands: A Framework for Mapping Habitat Progress and Resilience

Alex Braud, San Francisco Estuary Institute

High-Resolution Salt Marsh Habitat Mapping for New England National Estuarine Research Reserves Using Machine Learning

Chris Robinson and Diana Lopez Hernandez, NV5 Geospatial

Geospatial and Convening Support for Supporting the Development of System Resilience Indicators for Wild Rice in Lake Superior, Lake Michigan, and Lake Huron Great Lakes Restoration Initiative Project

Renee Walmsley, Tetra Tech; John Merrill, Galileo Group

Short and Sweet: Using Imagery in Coastal Management

Salon B

The Next Generation of Landsat
David Brostuen, National Geospatial Directorate, U.S. Geological Survey

Benchmarking Novel AI Models for Shoreline Detection
Tishya Chhabra and Walter Zesk, Massachusetts Institute of Technology; Manisha Bajpai, Independent Researcher; Skylar Tibbits, Massachusetts Institute of Technology

Species Identification in Coastal Marshes of Chesapeake Bay Using Commercial Satellite Imagery
Megan Coffer and Rebecca Trinh, Global Science and Technology in support of NOAA's Center for Satellite Applications and Research

Mixed Method Research to Support Coastal Restoration Efforts
Andrea Perez and Benny Lopez, California State University Long Beach

Analysis of Recreational Beach Use and Ecosystem Health at Narragansett Town Beach
Christopher Small, EA Engineering, Science, and Technology, Inc., PBC; Wendy Laurent, Taylor Engineering, Inc.

Coastal Adaptation Planning

Salon C

Implementing Coastal Resiliency Plans
J.D. Hines, VHB; Sandy Cross, Town of Duck

Water Rises, Water Falls: Scenario Planning for Changing Lake Levels and Climate Change*
Jenna Moran and Eleanor Rappolee, Association of State Floodplain Managers

Coastal Community Resilience Immersive Training Program: Reflections on Process, Outcomes, and Next Steps
Rebecca Ward, Coastal Resilience and Sustainability Initiative, North Carolina State University; Georgina Sanchez, Center for Geospatial Analytics, North Carolina State University; Erin Seekamp, Coastal Resilience and Sustainability Initiative, North Carolina State University; Amanda Mueller, KIETS Climate Leaders Program, North Carolina State University

Discussion: Infrastructure Adaptation*

Salon D

Panelists:
- Moderator: Lindsay Brugger, Urban Land Institute
- Joseph De Angelis, American Planning Association
- Chris DeWitt, VHB
- Nancy Gassman, City of Fort Lauderdale

As communities increasingly experience the impacts of a warming climate, the infrastructure they rely on to keep their cities moving must adapt. Many cities—from Ft. Lauderdale to Norfolk to Bridgeport—are recognizing the risking risk of higher tides and stronger storm surge and planning their infrastructure accordingly with the help of Digital Coast tools.

This one-hour panel co-hosted by the American Planning Association (APA) and the Urban Land Institute (ULI) will uplift Digital Coast, APA, and ULI tools and resources for infrastructure adaptation planning through a series of city case studies that will compare and contrast the wide range of approaches to roadway elevation.

Natural Disaster Risk Assessments

Salon E

FEMA's Coastal Future of Flood Risk Data (FFRD)—Innovative Dataset Conceptualization and Visualization
Eric Kencel, AECOM

New Assessment of Annualized Tsunami Losses for the United States
Anne Sheehan and Casey Zuzak, Federal Emergency Management Agency; Doug Bausch and Cadie Yaeger, Niyam IT ARC

Using a Tsunami Transfer Function and Hazus 6.1 to Calculate Average Annualized Building Losses for Pacific States
Christopher Siverd, Moffatt & Nichol; Patrick Lynett, University of Southern California; Doug Bausch and Cadie Yeager, Niyam IT; Paul Carroll and Babak Tehranrid, Stantec; Betsy Hicks and Lauren Schmied, Federal Emergency Management Agency

Coastal Erosion and Shoreline Change – Part 2

Salon F

Hard Stabilization Structures Along Lake Erie's Coast: High-Resolution Analysis of the True Extent of Shoreline Armoring in Ohio's Coastal Counties
Emma Bouie, Office of Coastal Management, Ohio Department of Natural Resources

Tools for a Sustainable Coastal Ecosystem Restoration
Syed Khalil, CPRA

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*Denotes a presentation from a Digital Coast partner

Integrating Behavioral Science with Spatial Modeling to Target Nitrogen Fertilizer Reduction Programs

David Dickson, Center for Land Use Education and Research, University of Connecticut

Sponsor Reception

6 to 9 p.m.

Hotel Ballast

No scuttlebutt, you're invited to a pirate-themed sponsor reception at the Hotel Ballast for a relaxing evening of gratitude, connections, and celebration. Enjoy food and drinks as we raise a glass to the supporters who make the Coastal GeoTools conference successful, all while chewing the fat and practicing our best pirate sayings.

Join us in your best pirate garb for music, food, drinks, and pirate-themed games. Plus, there will be a prize for the best pirate costume as voted on by other attendees!

Thursday, January 30, 2025

Evaluation Completion and Towel Pickup

8 a.m. to 12:30 p.m.
River Concourse, Wilmington Convention Center

Speaker Ready Room

8 to 11 a.m.
Meeting Room 102

Ad Hoc Meetings and Gatherings

7:30 to 11 a.m.
Meeting Room 103

Are you looking for a space to meet with a colleague? This space is available daily for attendees to meet. There is a sign-up sheet outside the room. Please add your meeting to the sheet to reserve the space.

Zen Room

9 to 11 a.m.
Meeting Room 104

This room is intended as a recharge space for meeting attendees. Enjoy the coloring books and other materials to help find your zen! **Please, no meetings in the room after 9 a.m.**

Continental Breakfast

7:30 to 9 a.m.
Exhibit Hall

Concurrent Sessions

9 to 10:30 a.m.

Data, Models, and Tools for Sea Level Rise, Coastal Flooding, and Erosion Vulnerability – Part 1

Salon A

Regional Innovations in Resilience: Leveraging GIS for Effective Flood Management in the Tampa Bay Region
Samuel Amoako-Atta and Sean Lahav, Halff

Assessing Flood Vulnerability for Road Network Asset Management in Coastal Georgia
Alexander Boland and Matthew Bilskie, University of Georgia

The North Carolina Department of Transportation's Coastal Resilience Initiatives and Innovations—Focus on Sea Level Rise Impacts on Wave and Scour Impacts to Bridges
Kurt Golembesky, North Carolina Department of Transportation; Chase Davis and Zhangping Wei, University of North Carolina Wilmington

A Tool to Estimate and Communicate Coastal Probabilistic Flood Damages and Losses
Jeff Gangai and Joel Plummer, Dewberry; Lauren Schmied and Betsy Hicks, Federal Emergency Management Agency

Geospatial Tools in Coastal Management

Salon B

Monitoring Coral Reef Ecosystems with ArcGIS Field Maps and Dashboards
Ken Buja and Kim Edwards, NOAA's National Centers for Coastal Ocean Science

The Urban Sea: A StoryMap About the Long Island Sound Watershed and Its People
Cary Chadwick and Emily Wilson, Center for Land Use Education and Research, University of Connecticut

Integrating Google Earth Engine with ArcPro for No-Code Geospatial Analysis
Zhifei Dong, Tellus Consulting LLC; Matt Hutchinson and George Azzari, Woolpert;
Kel Markert, Google

The Great Marine Minerals Migration: Reforging the Back and Front Ends of an Established GIS in the Cloud and ArcGIS Online (AGOL), Respectively
Emily Sandrowicz and Michael Forlenza, NV5 Geospatial; Lora Turner, Marine Minerals Program, Bureau of Ocean Energy Management

Marine Spatial Planning

Salon C

Insights from Regional Spatial Data Development Workshops for Marine Spatial Planning

Jessica Carlton, Joshua Chastain, Jennifer Au, and Bryce O'Brien, CSS Inc. at NOAA's National Centers for Coastal Ocean Science; James A. Morris, Jr., NOAA's National Centers for Coastal Ocean Science

Proactive Planning: Using Spatial Modeling to Inform Future Offshore Wind Energy Transmission Planning in Stellwagen Banks National Marine Sanctuary

Alyssa Randall, Brian Free, and Jennifer Au, CSS Inc. at NOAA's National Centers for Coastal Ocean Science; Alice Stratton, Mike Bailey, Michael Thompson, Pete Decola, and Samantha Tolken, Stellwagen Banks National Marine Sanctuary; Todd Callaghan, Brooke Hodge, and Hollie Emery, Massachusetts Office of Coastal Zone Management; James A. Morris, Jr., NOAA's National Centers for Coastal Ocean Science

Challenges and Opportunities of Colocation of Offshore Aquaculture and Offshore Wind Farms in the United States

Jessica Couture, CSS Inc. at NOAA's National Centers for Coastal Ocean Science; Christopher Schillaci and James A. Morris, Jr., NOAA's National Centers for Coastal Ocean Science

Marine Cadastre: The Foundational Data Platform for Marine Spatial Planning

David Stein, NOAA's Office for Coastal Management; John Wieber, Bureau of Ocean Energy Management; Daniel Martin and Jesse Brass, CSS Inc. at NOAA's Office for Coastal Management; Supriya Khadke and Megan Treml, Lynker at NOAA's Office for Coastal Management

Discussion: Resilience Partnerships Matter and It Matters How We Measure Resilience

Salon D

Panelists:
- Rebecca Beavers, U.S. Department of Transportation
- Leanne Spaulding, Environmental Policy Innovation Center
- Lori Cary-Kothera, U.S. Environmental Protection Agency
- Trevor Meckley, NOAA's National Centers for Coastal Ocean Science
- Ned Gardiner, NOAA's Climate Program Office
- Jason Beckfield, U.S. Department of Transportation and Harvard University
- Chief Devon Parfait, Environmental Defense Fund and Grand Calliou/Dulac Band of Biloxi-Chitmacha-Choctaw

This storytelling and group discussion session focuses on the role of federal agencies with rural and Tribal community representatives and prioritizes shared responsibility for meaningful measures of climate and natural hazards resilience.

Discussion: Turning the Tide—Collaborative Efforts to Strengthen Alaska's Coastal Resilience*

Salon E

Panelists:

- Dr. Leslie Jones, State of Alaska Geospatial Office
- TBD, Alaska Native Tribal Health Consortium
- Alex Nereson, U.S. Geological Survey's Pacific Coastal and Marine Science Center
- Maya Hayden, U.S. Geological Survey's Pacific Coastal and Marine Science Center
- Nathan Wardwell, JOA Surveys

Understanding coastal hazards and climate risks to communities requires high-fidelity decision-ready data. For years, Alaska communities have been impacted by data gaps, proliferating inequities in data services and tools with direct impacts to community resilience. Gaps in coastal water levels, geodetic frameworks, and foundational data, such as elevation and imagery along Alaska's coast, have limited the ability to provide accurate storm surge forecasts for coastal hazard events; basic products, such as accurate tide predictions, for safe and timely maritime services; accurate documentation of high water events to inform long-term planning and forward-looking climate scenarios. Since the 2019 presidential *Memorandum on Ocean Mapping of the United States Exclusive Economic Zone and the Shoreline and Nearshore of Alaska*, the National Oceanic and Atmospheric Administration, the State of Alaska, and the Alaska Ocean Observing System developed the Alaska Coastal Mapping Implementation Plan with specific milestones for collecting these foundational data along Alaska's coast to improve products and services for increased efficient mapping. As a result of this plan and regional coordination, significant advancements have been made in filling data gaps, opening the door for improved information services that will directly support Alaska communities. We will highlight efforts to complete statewide VDatum, coordinated funding for imagery and lidar, a real-time global navigation satellite systems (GNSS) network, and various projects across the state that are vital to ensuring critical data for decision-making.

Discussion: Enhancing Coastal Management Applications with InSAR Vertical Land Motion Data

Salon F

Panelists:

- Mike Aslaksen, NOAA's National Geodetic Survey
- Jamie Carter, NOAA's Office for Coastal Management
- Bryan Deslauriers, Dewberry
- Sara Del Conte, TRE ALTAMIRA
- Simone Fiaschi, TRE ALTAMIRA

NOAA, Dewberry, and TRE ALTAMIRA copresent on the findings from NOAA's East Coast InSAR Analysis 2023 project. Panelists highlight how InSAR data can be integrated into coastal management practices to enhance disaster preparedness, inform mitigation efforts, and refine sea level rise projections.

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*Denotes a presentation from a Digital Coast partner

Break

10:30 to 11 a.m.
Exhibit Hall

Concurrent Sessions

11 a.m. to Noon

Mapping and Monitoring Shorelines

Salon A

Examples of Restoration Stewards Utilizing Survey Techniques and Indigenous Knowledge to Drive Conservation in Hawaii

Andrew McGowan, Lynker at NOAA's Office for Coastal Management; Gus Robertson, Heʻeia National Estuarine Research Reserve

Indigenizing Mapping with the Tribal Marine Stewards Network

Sophie Wilhoit, Tribal Marine Stewards Network

Determining Shoreline Migration Rates with a Change-Point Detection Model

David Forrest, William & Mary's Batten School of Coastal & Marine Science and the Virginia Institute of Marine Science

Advancing Shoreline Interpretation and Intertidal Zone Monitoring with Capella Synthetic Aperture Radar (SAR) Imagery Using Cutting-Edge Geospatial Tools

Kyle Goodrich and Bindi Dave, TCarta

The Use of Visualizations and Virtual Reality in Risk Communication and Conservation

Salon B

Developing More Effective Visualizations for Communicating Storm Risk

DJ Bromley and Peter Stempel, Pennsylvania State University; Annette Grilli, Isaac Ginnis, Chris Damon, and Roland Duhaime, University of Rhode Island

Collaborating for Resilience: Flood Visualizations and Community Conversations in Wilmington

Dan Rizza and Allison Kopicki, Climate Central; Craig Harris, City of Wilmington, North Carolina; Lynn Leonard and Phil Bresnahan, University of North Carolina Wilmington

Using Augmented Reality to Communicate Risks: Example Applications to View Flood Events

Al Souid and Kevin Heeney, WSP USA

*Denotes a presentation from a Digital Coast partner

Using Virtual Reality to Teach Habitat Conservation: Expanding Access to Global Ecosystems
Ryan Walker, John Cartwright, and Dixie Cartwright, Mississippi State University

Artificial Intelligence and Deep Learning
Salon C

Geospatial Applications of AI for Object Detection in Remotely Sensed Imagery
Cassidy Barkalow, Blue Marble Geographics

Using Deep Learning to Extract Hydrographic Features from Lidar Data
Colin Flynn, Dewberry

Designing a Large Language Model to Support Dredging Activities
Ross Winans, NV5 Geospatial; Jesse Hall, Rhonda Lenoir, and Andrew Keith, U.S. Army Corps of Engineers; Gabe Sataloff, NV5 Geospatial

Open Discussion on AI Development for Coastal Applications
Moderator: Brandon Krumwiede, NOAA's Office for Coastal Management

Data, Models, and Tools for Sea Level Rise, Coastal Flooding, and Erosion Vulnerability – Part 2
Salon D

I-ADAPT: A Tool to Mitigate Flooding, One Property at a Time in Delaware[*]
Jordana Cutajar, Delaware Department of Natural Resources and Environmental Control

Coastal Hazard Modeling and Risk Assessment for Adaptation Planning
Cheryl Hapke, Johanna Tatum, Eduardo Lopez, and Mike Wernau, Fugro

Updating a Parcel-Scale Quantitative Sea Level Rise Vulnerability Assessment for Puget Sound, Washington State
Ian Miller, Washington Sea Grant; Avery Maverick and Jim Johannessen, Natural Systems Design + Coastal Geologic Services; Bret Folger, Lynker at NOAA's Office for Coastal Management; Jane Lauckner and Gabrielle Roth, Sound Data Science; Oliva Vito, Natural Systems Design + Coastal Geologic Services; Sydney Fishman, Washington Sea Grant

Leveraging Federal Datasets to Assess Inundation Vulnerability of US-1 in the Florida Keys
Sarah Woolard, Brian Batten, Jeff Gangai, and Joel Plummer, Dewberry

Short and Sweet: Infrastructure Vulnerability
Salon E

Creating GIS Datasets of Transportation Infrastructure Vulnerability for Hazard Mitigation Planning in Low-Capacity Communities

Kevin Autry, Clemson University

An Interactive Tool to Communicate the National Flood Insurance Program's (NFIP) New Pricing Approach to Property Owners in Hampton Roads

Emma Corbitt and Ben McFarlane, Hampton Roads Planning District Commission

Use of Geospatial Applications in Enhancing Resilience of the Coastal Forestry Sector

Kate Grala, Robert Grala, Andrew Nagel, and John Cartwright, Mississippi State University

Streamlining a Flood Impact Assessment Using GIS, PostgreSQL, and Open-Source Tools

Jesse Nelson, Dewberry

Mapping Nuisance Flooding Days – Simple but Effective Information

Keil Schmid, Geoscience Consultants, LLC

U.S. Geological Survey: Tools for a Changing World

Michael Slatter and Dawn Kotowicz, U.S. Geological Survey

The Economy and Flood Vulnerability for Essex County, Massachusetts

Charlotte Tierney and Nataly Medina, Lynker at NOAA's Office for Coastal Management; Kate Quigley, NOAA's Office for Coastal Management

Short and Sweet: Community Engagement in Coastal Management

Salon F

Coordinating Diverse Stakeholder Groups to Improve Coastal Hazard Forecasting and Prevention

Mary Ford, Mid-Atlantic Regional Association Coastal Ocean Observing System; Kathleen Fallon, New York Sea Grant

Addressing Barriers to Coastal Resilience: Stakeholder Engagement on Nature-Based Solutions

Shu-Mei Huang, South Carolina Sea Grant Consortium; Lee Bundrick, Kiawah Conservancy; Landon Knapp, South Carolina Sea Grant Consortium; Norman Levine, College of Charleston

Enhancing Coastal Resiliency: Integrating Geospatial Data and Stakeholder Insights in the Texas Coastal Resiliency Master Plan

Nathalie Jung and Nicholas Wellbrock, AECOM

Design Science-Based Tools for Coastal Resilience

Dave Michels, National Environmental Modeling and Analysis Center, University of North Carolina Asheville

Won't You Be a Good Neighbor? Advancing Floodplain Management Resources for Coastal Communities[*]

Allie Pouliot, Association of State Floodplain Managers

We Tried to Do Ten Things with AI. Some of Them Worked.

Wes Shaw and Chris Rae, MyCoast

Implementation of a Jurisdictional Socioeconomic Field Data Collection Program to Inform NOAA's Coral Reef Conservation Efforts

Alexander Swain, Eastern Research Group; Mary Allen, Lynker at NOAA's Office for Coastal Management; Chloe Fleming, CSS Inc. at NOAA's National Centers for Coastal Ocean Science; Sarah Gonyo, NOAA; Charles Goodhue and Hannah Stroud, Eastern Research Group