Oral Presentations

A01. **3D Nation: The Interagency Working Group on Ocean and Coastal Mapping: Update on the National Coastal Mapping Strategy**
Sasha Pryborowski and Ashley Chappell, NOAA Office of Coast Survey; Jennifer Wozencraft, U.S. Army Corps of Engineers

A02. 3D Nation: The 3D Elevation Program (3DEP) – A National Program for the Acquisition of Terrestrial Lidar Data
Cindy Thatcher, Diane Eldridge, and Allyson Jason, U.S. Geological Survey National Geospatial Program

A03. USACE National Coastal Mapping Program: Advanced Lidar Products to Support Storm Damage Risk Reduction
Charlene Sylvester, U.S. Army Corps of Engineers Joint Airborne Lidar Bathymetry Technical Center of Expertise

A04. The USGS Coastal National Elevation Database (CoNED): Integrated Topobathymetric Models for the U.S. Coastal Zone
Jeffrey Danielson, U.S. Geological Survey

A05. Deep-Sea Coral Habitat Protection over Time and by Depth in U.S. Regions
Heather Coleman, Thomas Hourigan, and Renee King, NOAA Office of Habitat Conservation

A06. An Alternatives Analysis Tool for the West Coast Groundfish Essential Fish Habitat Review
Allison Bailey, Sound GIS

A07. NOAA's National Database of Deep Sea Corals and Sponges: A Resource to Inform Conservation and Management, Highlighting Work in the Gulf of Mexico
Robert McGuinn and Enrique Salgado, Jardon and Howard Technologies, Inc. at NOAA National Centers for Coastal Ocean Science; Matt Dornback and David Sallis, General Dynamics Information Technology at NOAA National Centers for Environmental Information; Scott Cross, NOAA National Centers for Environmental Information; Matt Poti, CSS-Dynamac, Inc. at NOAA National Centers for Coastal Ocean Science; Brian Kinlan, NOAA National Centers for Coastal Ocean Science; Thomas Hourigan, NOAA Fisheries Service Office of Habitat Conservation; Peter Etnoyer, NOAA National Centers for Coastal Ocean Science

A08. A Spatially Explicit, Multi-Criteria Decision Support Tool for Loggerhead Sea Turtle Nesting Habitat Suitability
Molly Reif and Lauren Dunkin, U.S. Army Corps of Engineers

A09. **Performance of the Riegl VQ-880-G Lidar Sensor in Mapping Coastal Near-Shore Bathymetry**
Colin Cooper, Russell Faux, and Nick Kules, Quantum Spatial

A10. **Fusion Processing for Puerto Rico Regional Sediment Management**
Heath Harwood, Joint Airborne Lidar Bathymetry Technical Center of Expertise

A11. **Estimating Bank Heights from Lidar Data in Chesapeake Bay**
Julie Herman, Robert Isdell, and Karinna Nunez, Virginia Institute of Marine Science

A12. **Acquiring Lidar Data in Western Alaska**
John Gerhard, Woolpert

A13. **Innovations in Planning and Public Engagement for Community Resilience**
James Schwab, American Planning Association

A14. **Integrating Coastal Resilience into Local Plans and Policies**
Benjamin McFarlane, Hampton Roads Planning District Commission

A15. **High Stress Risk Communications**
Chris Mack, AECOM

A16. **Tying It All Together: Improving Community Resilience by Integrating Risk Modeling and Community Planning**
Mike Robinson, AECOM; Joshua Murphy, NOAA Office for Coastal Management

B01. **Paper vs. Projector: A Mixed Approach to Participatory Mapping of Reef Fisheries in the Mariana Islands**
Rebecca Skeele Jordan and Robert Greene, Pacific Coastal Research and Planning

B02. **Crowdsourced Bathymetry**
Adam Reed, NOAA Office of Coast Survey; Evan Robertson, NOAA National Centers for Environmental Information

B03. **Visualizing Sea Level Rise with Citizen Science**
Randy Dana, Oregon Coastal Management Program

B04. **What We Learned (so far) while Trying to Save the World with Citizen Science**
Wes Shaw, Blue Urchin, LLC

B05. **A National OCS Sand/Sediment Inventory**
Lora Turner, Marine Minerals Branch, Bureau of Ocean and Energy Management; Alexa Ramirez, Quantum Spatial, Inc.

B06. **Using GIS for Regional Sediment Management: A BCDC Exploration**
Alex Braud, San Francisco Bay Conservation and Development Commission

B07. **Watershed Erosion Potential Mapping Using AHP Modeling and GIS**
John Cartwright, Mississippi State University

B08. **Coastal Monitoring and Research to Inform a Regional Sand Management Strategy along the Illinois Lake Michigan Coast**
Ethan Theuerkauf, Steven Brown, Andrew Phillips, Andrew Anderson, and Kisa Mwakanyamale, Illinois State Geological Survey

B09. **The Coastal and Marine Ecological Classification Standard Geoform Component to Buzzards Bay, Massachusetts**
Dan Sampson, Massachusetts Office of Coastal Zone Management

B10. **Ecological Marine Units**
Keith VanGraafeiland and Drew Stephens, Esri

B11. **Chesapeake Bay: Tools for Analyzing Three Decades of SAV Monitoring Data**
David Wilcox, Robert Orth, and Jonathan Lefcheck, Virginia Institute of Marine Science

B12. **Indian River Lagoon Florida Seagrass Mapping**
Keith Patterson, Dewberry

B13. **The Impact of Flood Frequency on Land Cover Change Type**
Francois Smith and Mary Latiolais, MDA Information Systems LLC

B14. **Cyclones, Casinos, and C-CAP: Responding to Rapid Land Cover Change in the Mariana Islands with Novel Data Development Efforts**
Robbie Greene and Katie Graziano, Northern Mariana Islands, Bureau of Environmental and Coastal Quality

B15. **High Resolution Land Cover Mapping for the Coasts**
Nate Herold, NOAA Office for Coastal Management

B16. **High Resolution Change Detection and the Puget Sound Change Map**
Kenneth B. Pierce Jr., Washington Department of Fish and Wildlife

C01. **Projects in Varying Environments: Lessons Learned during Acquisition and Processing**
Elise MacPherson, Dewberry

C02. **Constructing Regional Topobathymetric Elevation Models Using Custom ArcGIS Tools**
Dean Tyler, U.S. Geological Survey

C03. **Towards an Accurate and Consistent National Coastal Digital Elevation Dataset**
Michael Sutherland, Christopher Amante, and Kelly Stroker, CIRES at NOAA National Centers for Environmental Information

C04. **Open Heat Vulnerability Mapper**
Bev Wilson and Arnab Chakraborty, University of Illinois at Urbana-Champaign

C05. **Using a Web-Based Decision Support System and Facilitation Process to Assist Great Lake Communities in Creating Watershed Action Plans**
Lydia Utley, Kara Salazar, and Daniel Walker, Illinois-Indiana Sea Grant, Purdue University; Jarrod Doucette, Purdue University; Brian Miller, Illinois-Indiana Sea Grant College Program

C06. **Developing a Web-Based Decision Support Tool for Coastal Permitting in the CNMI**
Rachel Bouchillon, CNMI Bureau of Environmental and Coastal Quality

C07. **Sea Level Rise Associated Vulnerability Assessment to Support Planning along Cape Hatteras National Seashore**
Michael Flynn, East Carolina University; Tom Allen, Old Dominion University; Tom Crawford, Saint Louis University

C08. **Adequacy of Current and Planned Coastal Elevation Data for High Confidence Assessments of Sea-Level Rise Vulnerability**
Dean Gesch, U.S. Geological Survey

C09. **Visualizing Sea Level Rise to Examine the Nexus of Climate Change and Socio-Economic Security**
Jory Fleming, University of South Carolina and NOAA Office for Coastal Management; Nicholas Schmidt and Lori Cary-Kothera, NOAA Office for Coastal Management

C10. **Online Mapping Interface to Link Nature-Based Science and Policy Solutions for Climate Adaptation**
Lisa Wedding, Center for Ocean Solutions, Stanford University; Gregg Verutes, Natural Capital Project, Stanford University; Jessica Williams, Jesse Reiblich, and Eric Hartge, Center for Ocean Solutions, Stanford University

C11. **The "Community Rating System Explorer": A Tool to Support Floodplain Management and Improve Coastal Resilience**
Morgan Chow, Lora Eddy, Laura Flessner, and Zach Ferdaña, The Nature Conservancy

C12. **Maryland Coastal Resiliency Assessment: Mapping Natural Solutions for More Resilient Communities**
Nicole Carlozo, Maryland Department of Natural Resources; Michelle Canick, The Nature Conservancy

D01. Improving the Quality of Lidar Data for Coastal Terrain Modeling and Analysis
David McKittrick, Blue Marble Geographics

D02. Integrated Bathymetric-Topographic Digital Elevation Model (DEM) Uncertainty
Christopher Amante, Mike Sutherland, and Sharon Mesick, NOAA National Centers for Environmental Information

D03. Bathymetric Lidar Quality Level Measurements
Nicholas Johnson, USACE - SAM - OPJ - Joint Airborne Lidar Bathymetry Center of Expertise

D04. Bringing Research Results to Life with Story Maps
Cary Chadwick and Emily Wilson, University of Connecticut

D05. Story Map Describing the Ocean Economies of Puerto Rico and the U.S. Virgin Islands
Jennifer Zhuang and Camille Martineau, The Baldwin Group at the NOAA Office for Coastal Management

D06. Exploring 83 Years of Coastal Change with the Story Map "Connecticut's Coast: Then and Now"
Emily Wilson, University of Connecticut, Center for Land Use Education and Research

D07. STORMTOOLS Coastal Environmental Risk Index: A GIS Based Tool to Assess Coastal Flooding Damage to Structures and Infrastructure
Malcolm Spaulding, Chris Damon, Teresa Crean, and Annette Grilli, University of Rhode Island; Grover Fugate, Rhode Island Coastal Resources Management Council

D08. Planning for Future Flooding, Building a Sea-level Rise Exposure Inventory for Oregon's Estuaries
Julie Sepanik, Andy Lanier, and Randy Dana, Oregon Coastal Management Program

D09. Determination and Mapping of Future Sea-Level Rise Planning Scenarios for Delaware
John Callahan, Delaware Geological Survey, University of Delaware

D10. Ground Truthing Flood Inundation during Hurricane Matthew in North Carolina
Maribel Marquez and David Key, ESP Associates, P.A.

D11. The Utilization of Flood Hazard Risk Data and Real-Time Alerting during Hurricane Matthew
John Dorman, North Carolina Department of Public Safety

D12. New Geospatial Storm Surge Risk Products from the National Hurricane Center

Jamie R. Rhome, Brian Zachry, William Booth, NOAA National Hurricane Center; Doug Marcy, NOAA Office for Coastal Management; David Betenbaugh, The Baldwin Group at the NOAA Office for Coastal Management

E01. **Modernizing the National Spatial Reference System**
Dru Smith, NOAA National Geodetic Survey

E02. **New 3rd edition of "Digital Elevation Model Technologies and Applications: The DEM Users Manual"**
David Maune, Dewberry Consultants LLC

E03. **Online Tidal Datum Computations**
Nathan Wardwell, JOA Surveys, LLC

E04. **Time-Animated Data: Acoustic Telemetry off the South Carolina and Georgia Coast**
Tanner Arrington, Erin Koch, and Mike Arendt, South Carolina Department of Natural Resources

E05. **Analyzing Environmental Influences on the Spatial Distribution of Fish Species along the South Atlantic Bight and Projecting Future Distributions Using Different Climate Scenarios**
Sarah Roberts, Duke University Nicholas School of the Environment

E06. **Elevation, Vegetation, and Water Levels: In Coastal Wetlands There's No Substitute for On-the-Ground Measurements**
Andrew Neil, Scott Rasmussen, Michael Bradley, Charles LaBash, and Peter August, University of Rhode Island, Environmental Data Center

E07. **Recent Topobathymetric Lidar Surveys in Various Coastal, Riverine, and Lacustrine Environments**
Amar Nayegandhi, Dewberry

E08. **Coastal/Nearshore and Offshore Bathymetry Requirements and Benefits Study**
Ashley Chappell, NOAA Office of Coast Survey; Allyson Jason, U.S. Geological Survey; Sue Hoegberg, Dewberry

E09. **Shoreline Mapping in the Aftermath of Superstorm Sandy: A Topobathymetric Lidar-Based Approach to Updating the National Shoreline**
Ray Miller, Dewberry; David Jennings and Stephen White, NOAA National Geodetic Survey

E10. **Post-Storm Analysis and Visualization of Surge and Wave Time Series**
Greg Petrochenkov and Harry Jenter, U.S. Geological Survey

E11. Event-Based Flood Data Collection and Dissemination: The USGS Flood Event Viewer and Short-Term Network Database
Blake Draper, U.S. Geological Survey, WiM Group; Todd Koenig, U.S. Geological Survey

E12. Hurricane Hermine: Rapid Response for Evaluation of Structure Flooding Impacts in Florida
Jeff Gangai, Catherine Bohn, Brian Batten, and Kevin Slover, Dewberry

F01. Coastal Hazards: Defining Inlet Hazard Areas Using a 30-Year Risk Line
Ken Richardson, North Carolina Division of Coastal Management

F02. National Beach Preservation Advocacy: Geospatial Tools and Outreach
Nicole Elko, American Shore and Beach Preservation Association

F03. Coastal Enhancements to the National Hydrography Dataset (NHD)
Susan Phelps and Zsolt Nagy, AECOM

F04. Drainage Analysis for Lake Erie
Eric Cole, Woolpert

F05. Inundation Modeling of Buildings for National Parks in the Northeast U.S. Using SLOSH and On-the-Ground Survey Data
Michael Bradley and Aimee Mandeville, University of Rhode Island Environmental Data Center; Nate Vinhateiro and Lisa McStay, RPS Applied Science Associates

F06. Assessment of Infrastructure Risk from SLR to Support Joint Land Use Studies; Beaufort County, SC
Keil Schmid, Geoscience Consultants LLC

F07. Quantifying Increased Flood Risk to Transportation Infrastructure Due to Sea-Level Rise
Jared Dorvinen and Brian Batten, Dewberry

F08. Decision-Support System to Assess the Impact of Sea Level Rise on Critical Infrastructure
Scott Samson and John VanderZwaag, Geosystems Research Institute, Mississippi State University

F09. Passive and Active: Remote Survey Solutions for the Nearshore, an Integrated Approach
Don Ventura, Fugro Pelagos Incorporated

F10. Climate Change Tools for Resiliency Planning
Chris Mack, AECOM

F11. **The DESIS Hyperspectral Instrument – A New Space-Based Tool for Coastal Zone Monitoring**
Ray Perkins, Teledyne Brown Engineering / Commercial Space Imaging; Rupert Mueller and Emiliano Carmona, DLR Earth Observation Center

F12. **Urthecast Video Imaging from Earth Orbit: A New Tool for Mapping Coastal Bathymetry**
Ron Abileah, jOmegak; Christos Koulas, Urthecast

F13. **MarineCadastre.gov – Ocean Reporting Tool**
Christine Taylor, Bureau of Ocean Energy Mangement; Alexa Ramirez, Quantum Spatial

F14. **Aquamapper: A Decision-Support Tool for Regulating Offshore Aquaculture in the Gulf of Mexico**
Lisa Wickliffe, NOAA National Centers for Coastal Ocean Science; Kenneth Riley, NOAA National Marine Fisheries Service; James Morris, Jr., NOAA National Centers for Coastal Ocean Science

F15. **Putting Together a SeaSketch Project: Case Study from the Channel Islands National Marine Sanctuary**
Grace Goldberg and Will McClintock, University of California Santa Barbara, Marine Science Institute

F16. **Estimating Terrestrial Sediment and Nutrient Delivery to Coral Reefs around Puerto Rico Using a Free GIS Tool**
David Gibbs, ORISE Fellow, U.S. Environmental Protection Agency, Office of Research and Development; Leah Oliver, U.S. Environmental Protection Agency, Office of Research and Development

G01. **Office of Coast Survey Latest GIS Applications**
Kurt Nelson, NOAA Office of Coast Survey

G02. **NGS' Capabilities that Support the Geospatial Community**
Mike Aslaksen, Gretchen Imahori, Chris Sloan, Stephen White, and Jamie Kum, NOAA National Geodetic Survey

G03. CANCELLED

G04. **Standardizing Coastal Geographic Response Plans at a National Level**
Jill Bodnar, Genwest Systems, Inc. at the NOAA Office for Response and Restoration; Jay Coady, I.M. Systems Group at the NOAA Office for Response and Restoration

G05. **A Baseline Ecological Assessment of the Tidal Choptank River: Digital Atlas, Web Mapping Portal, and Baseline Status Report**

David Moe Nelson, NOAA National Centers for Coastal Ocean Science; Dan Dorfman, Ayman Mabrouk, and Laurie Bauer, CSS-Dynamac at NOAA National Centers for Coastal Ocean Science; Ken Buja, NOAA National Centers for Coastal Ocean Science

G06. CANCELLED

G07. Mapping Habitat Quality for Listed Beach Species: An Index to Inform Mitigation Planning for the Florida Beaches Habitat Conservation Plan (FBHCP)
Amy Knight, Florida Natural Areas Inventory

G08. CANCELLED

G09. Small UAS-based LiDAR Acquisition and Processing Considerations for Natural Resource Management
Russ Faux, Steve Raber, and Nick Kules, Quantum Spatial, Inc.

G10. Unmanned Aerial Systems for Coastal Mapping and Change Detection
David Day, Keystone Aerial Surveys, Inc.; Renee Walmsley, Tetra Tech

G11. Using Small UAS and USV for Coastal Monitoring and Analysis
Robert Moorhead, Gray Turnage, and Lee Hathcock, Mississippi State University; Lindsay Spurrier, Cypress Environmental Science and Engineering; Mel Landry, NOAA Restoration Center

G12. UAS-Based Lidar and Imagery in the NERRS Marshes
Kirk Waters, NOAA Office for Coastal Management; Jamie Carter, The Baldwin Group at the NOAA Office for Coastal Management; Jared Lewis, San Francisco Bay National Estuarine Research Reserve; Susan Bickford, Wells National Estuarine Research Reserve;

G13. Using FEMA's Tools to Better Identify, Communicate, and Mitigate Flood Risk
Bradley Dean, Michael Baker International

G14. Multi-Hazard Flooding Risk Maps for Coastal Community Water Infrastructure
Tom Allen, Old Dominion University, Commonwealth Center for Recurrent Flooding Resilience; George Mcleod, Old Dominion University, Geospatial and Visualization Computing; Tom Crawford, St. Louis University

G15. Leveraging Available Data Sets in Response to Implementing Federal Flood Risk Management Standards
Brian Caufield and Sarah Braddy, CDM Smith

G16. Private Homeowners Using Public Resources to Determine Special Flood Hazard Areas
Sarah Braddy, Diana Rodriguez, and Brian Caufield, CDM Smith, Inc.

Tools Demonstrations

T01. **USGS-CMGP Video and Photograph Portal: Accessing Sea Floor and Coastal Video and Photographs from the USGS Coastal and Marine Geology Program**
Seth Ackerman, Nadine Golden, Evan Dailey, and Fran Lightsom, U.S. Geological Survey

T02. **Assessing Community Exposure to Coastal Flooding**
David Betenbaugh, The Baldwin Group at the NOAA Office for Coastal Management

T03. **Sea Level Rise Viewer and Data: Adding Local Scenarios**
William Brooks, Rebecca Mataosky, and Matt Pendleton, The Baldwin Group at the NOAA Office for Coastal Management

T04. **Planning and Coordinating Field Work with Esri's Dashboard, Collector, and Workforce Apps**
Ken Buja, NOAA National Centers for Coastal Ocean Science

T05. **Maryland Coastal Atlas and Resiliency Tools**
Nicole Carlozo, Maryland Department of Natural Resources

T06. **CO-OPS' Coastal Inundation Dashboard**
Paul Fanelli and Alison Carisio, NOAA Center for Operational Oceanographic Products and Services

T07. **The NOAA Shoreline Data Explorer Application: Including the Continually Updated Shoreline Product**
Doug Graham and David Ermisch, NOAA National Geodetic Survey

T08. **New York's Geographic Information Gateway**
Jeffrey Herter and Alex Kuttesch, New York Department of State, Office of Planning and Development

T09. **SECOORA Data Portal: Coastal and Ocean Data for the Southeast**
Debra Hernandez, SECOORA

T10. **The Digital Coast Data Access Viewer**
Erik Hund and Kirk Waters, NOAA Office for Coastal Management

T11. **The Northeast Ocean Data Portal: A Web-Based Ocean Planning Tool**
Kelly Knee, RPS ASA; Nick Napoli, Northeast Regional Ocean Council; Jenna DuCharme, RPS ASA; Emily Shumchenia, Northeast Regional Ocean Council; Kate Longley-Wood, Seaplan

T12. **SeaSketch: A Software Service for Collaborative Planning**

Will McClintock and Grace Goldberg, University of California Santa Barbara, Marine Science Institute

T13. **How to Use Land Cover Data as a Water Quality Indicator**
Jamie Carter, The Baldwin Group at the NOAA Office for Coastal Management; Nate Herold, NOAA Office for Coastal Management

T14. **Expanding Coastal Community Planning Opportunities in Western Lake Erie Using the Natural Solutions Toolkit**
Douglas Pearsall, Katie Kahl, Gust Annis, Morgan Chow, and Zach Ferdaña, The Nature Conservancy

T15. **CANCELLED**

T16. **Shades of Grey: New Techniques to Mosaic Acoustic Intensity Surfaces**
Will Sautter and Timothy Battista, NOAA National Centers for Coastal Ocean Science

T17. **MarineCadastre.gov: Ocean Reporting Tool**
Dave Stein, NOAA Office for Coastal Management; Christine Taylor, Bureau of Ocean Energy Management

T18. **Estuary Data Mapper: A Coastal Information System to Propel Emerging Science and Inform Environmental Management Decisions**
Daniel Torre, Naomi Detenbeck, and Todd Plessel, U.S. Environmental Protection Agency

T19. **New Jersey Waterway Linear Referencing System**
Daniel Barone, Michael Baker International; Genevieve Clifton and Scott Douglas, New Jersey Department of Transportation, Office of Maritime Resources

T20. **Gateway to the Nation's Existing Lidar Datasets: The U.S. Interagency Elevation Inventory**
Lindy Betzhold, The Baldwin Group at the NOAA Office for Coastal Management; Allyson Jason, U.S. Geological Survey

T21. **Beach Profiling Monitoring Web Application**
Jessica Boynton, South Carolina Department of Health and Environmental Control, Ocean and Coastal Resource Management

T22. **Evolving Ocean Mapping: Developing a Seamless Workflow for Acquisition, Processing, Visualization, and Sharing of Hydrographic-based Data**
Samantha Bruce and Chris Malzone, QPS Inc.

T23. **GANDALF: A Decision Support System for AUV Operators in the GOM**
Robert Currier, Matthew Howard, and Barbara Kirkpatrick, Texas A&M University

T24. **OpenNSPECT: A Tool for Examining Impacts of Climate and Land-use Change on Runoff, Non-Point Pollution, and Erosion**
Dave Eslinger, NOAA Office for Coastal Management; Shan Burkhalter, The Baldwin Group at the NOAA Office for Coastal Management

T25. **Developing End-User Tools for Response Plan Management in ERMA**
Chander Ganesan, NOAA Office of Response and Restoration

T26. **GCAMP: Georgia Coastal and Marine Planner**
Tony Giarrusso, Georgia Tech Center for GIS

T27. **Online Map-based Surveys with SeaSketch**
Grace Goldberg, SeaSketch, University of California Santa Barbara

T28. **The Sea Level Scenario Sketch Planning Tool: Assessing Vulnerable Transportation Infrastructure and More**
Crystal Goodison, Barbara Kirkpatrick, Alexis Thomas, and Reginald Pierre-Jean, University of Florida GeoPlan Center

T29. **NOAA's Land Cover Atlas**
Nate Herold, NOAA Office for Coastal Management; John McCombs, The Baldwin Group at the NOAA Office for Coastal Management

T30. **The USACE Field Research Facility Data Integration Framework Portal: A Modular and Scalable Approach to Web-based Data Visualization and Analysis**
Kelly Knee, RPS ASA; Michael Forte, U.S. Army Corps of Engineers Coastal and Hydraulics Laboratory Field Research Facility; Andrew Bird, RPS ASA; Kent Hathaway, U.S. Army Corps of Engineers Coastal and Hydraulics Laboratory Field Research Facility; Robert Fratantonio, RPS ASA

T31. **ENOW Explorer**
Gabe Sataloff, The Baldwin Group at the NOAA Office for Coastal Management

T32. **NOAA's Lake Level Viewer: United States Great Lakes**
Brandon Krumwiede, The Baldwin Group at the NOAA Office for Coastal Management; Doug Marcy, NOAA Office for Coastal Management; Lindy Betzhold and William Brooks, The Baldwin Group at the NOAA Office for Coastal Management

T33. **Coastal Imagery Viewer** **and** **Emergency Response Imagery**
Maryellen Sault, Jason Woolard, Jon Sellars, Mike Aslaksen, NOAA National Geodetic Survey

T34. **Extracting Actionable Information from Big Data in Support of Disaster Response**

Jeff Van de Vaarst, Intergraph Government Solutions

T35. **NACCS Viewer Based on OceansMap Framework**
Nathan Vinhateiro, Brian McKenna, Jeremy Fontenault, and Kelly Knee, RPS ASA; Dani Carter, Northeast Regional Ocean Council