SUNDAY, FEBRUARY 5

2:00 to 5:00 p.m.
Embassy Suites Hotel Lobby
REGISTRATION CHECK-IN

MONDAY, FEBRUARY 6

7:30 a.m. to 5:00 p.m.
Ballroom Foyer
REGISTRATION CHECK-IN

7:30 a.m. to 5:00 p.m.
Room 14
SPEAKER READY ROOM

8:30 to 11:30 a.m.
Room 6/7
S01. SPECIAL INTEREST MEETING: Mapping Coastal Inundation: Keeping Current with New Data, Trends, and Methods
Note: no cost, but you must be pre-registered to attend

8:30 to 11:30 a.m.
Room 8/9
S02. SPECIAL INTEREST MEETING: Using the NOAA Coastal Geospatial Services Contract
Note: no cost, but you must be pre-registered to attend

8:30 to 11:30 a.m.
Room 10/11
S03. SPECIAL INTEREST MEETING: Applying the Coastal and Marine Ecological Classification Standard: Best Practices and User Experiences
Note: no cost, but you must be pre-registered to attend

1:00 to 4:00 p.m.
Room 6/7
S04. SPECIAL INTEREST MEETING: Mapping Coastal Inundation: Keeping Current with New Data, Trends, and Methods
Note: no cost, but you must be pre-registered to attend

1:00 to 4:00 p.m.
Room 8/9
S05. SPECIAL INTEREST MEETING: Developing Marine Life and Habitat Data to Support Regional Ocean Planning, Ocean Data Portals, and Ecosystem-Based Management
Note: no cost, but you must be pre-registered to attend

1:00 to 4:00 p.m.
Room 10/11
S06. SPECIAL INTEREST MEETING: Make Social Media Work for You
Note: no cost, but you must be pre-registered to attend

1:00 to 4:00 p.m.
Room 12/13
S07. SPECIAL INTEREST MEETING: Building Digital Coast Applications for Community Rating System Support
Note: no cost, but you must be pre-registered to attend

5:30 to 7:30 p.m.
Ballroom C1/C2/C3
EXHIBITOR RECEPTION

TUESDAY, FEBRUARY 7

7:30 a.m. to 5:00 p.m.
Ballroom Foyer
REGISTRATION CHECK-IN

7:30 a.m. to 5:00 p.m.
Room 14
SPEAKER READY ROOM

8:00 a.m. to 3:00 p.m.
Ballroom C1/C2/C3
EXHIBITS

8:30 to 10:00 a.m.
Ballroom B/C4
WELCOME AND KEYNOTE PLENARY

Moderator and ASFPM Welcome: Mr. Chad Berginnis, Executive Director, Association of State Floodplain Managers (ASFPM)

NOAA Welcome: Dr. Jeff Payne, Director, NOAA Office for Coastal Management

Keynote Address: **Top 10 Lies about Sea Level Rise**
Mr. John Englander, President, Rising Seas Group

A lot of myth and misinformation exists about this hot topic among the public, and even in some sectors of the environmental and resilience communities. Oceanographer and author John Englander presents a list of misunderstandings and brings clarity with current information, including his recent trips to Greenland with the U.S. Coast Guard and U.S. Air Force.

10:00 to 10:30 a.m.
Ballroom C1/C2/C3
BREAK

10:30 a.m. to Noon

CONCURRENT SESSIONS

ADVANCES TO NATIONAL DATA ACCESS *ROOM 6/7*	TOOLS AND DATA FOR LIVING MARINE HABITAT CONSERVATION *ROOM 8/9*	EMERGING METHODS IN LIDAR *ROOM 10/11*	PLANNING FOR RESILIENCE *ROOM 12/13*
A01. 3D Nation: The Interagency Working Group on Ocean and Coastal Mapping: Update on the National Coastal Mapping Strategy	**A05.** Deep-Sea Coral Habitat Protection Over Time and by Depth in U.S. Regions	**A09.** Performance of the Riegl VQ-880-G Lidar Sensor in Mapping Coastal Near-Shore Bathymetry	**A13.** Innovations in Planning and Public Engagement for Community Resilience
A02. 3D Nation: The 3D Elevation Program—A National Program for the Acquisition of Terrestrial Lidar Data	**A06.** An Alternative Analysis Tool for the West Coast Groundfish Essential Fish Habitat Review	**A10.** Fusion Processing for Puerto Rico Regional Sediment Management	**A14.** Integrating Coastal Resilience into Local Plans and Policies
A03. USACE National Coastal Mapping Program: Advancing Lidar Products to Support Storm Damage Risk Reduction	**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	**A11.** Estimating Bank Heights from Lidar Data in Chesapeake Bay	**A15.** High Stress Risk Communication
A04. The USGS Coastal National Elevation Database: Integrated Topobathymetric Models for the U.S. Coastal Zone	**A08.** A Spatially Explicit, Multi-Criteria Decision Support Tool for Loggerhead Sea Turtle Nesting Habitat Suitability	**A12.** Acquiring Lidar Data in Western Alaska	**A16.** Tying It All Together: Improving Community Resilience by Integrating Risk Modeling and Community Planning

Noon to 1:30 p.m.

Ballroom C1/C2/C3

EXHIBITOR LUNCHEON

1:30 to 3:00 p.m.

CONCURRENT SESSIONS

CITIZEN SCIENCE FOR DATA COLLECTION *ROOM 6/7*	TOOLS FOR SEDIMENT AND EROSION MANAGEMENT *ROOM 8/9*	MARINE HABITAT MAPPING *ROOM 10/11*	LAND COVER MAPPING AND CHANGE DETECTION *ROOM 12/13*
B01. Paper vs. Projector: A Mixed Approach to Participatory Mapping of Reef Fisheries in the Mariana Islands	**B05.** A National OCS Sand/Sediment Inventory	**B09.** The Coastal and Marine Ecological Classification Standard Geoform Component to Buzzards Bay, Massachusetts	**B13.** The Impact of Flood Frequency on Land Cover Change Type
B02. Crowdsourced Bathymetry	**B06.** Using GIS for Regional Sediment Management: A BCDC Exploration	**B10.** Ecological Marine Units	**B15.** High Resolution Land Cover Mapping for the Coasts
B03. Visualizing Sea Level Rise with Citizen Science	**B07.** Watershed Erosion Potential Mapping Using AHP Modeling and GIS	**B11.** Chesapeake Bay: Tools for Analyzing Three Decades of SAV Monitoring Data	**B16.** High Resolution Change Detection and the Puget Sound Change Map
B04. What We Learned (so far) while Trying to Save the World with Citizen Science	**B08.** Coastal Monitoring and Research to Inform a Regional Sand Management Strategy along the Illinois Lake Michigan Coast	**B12.** Indian River Lagoon Florida Seagrass Mapping	**B14.** Cyclones, Casinos, and C-CAP: Responding to Rapid Land Cover Change in the Mariana Islands with Novel Data Development Efforts

3:00 to 5:00 p.m.

Ballroom A

TOOLS SHOWCASE

T01. USGS-CMGP Video and Photograph Portal: Accessing Sea Floor and Coastal Video and Photographs from the USGS Coastal and Marine Geology Program

T02. Assessing Community Exposure to Coastal Flooding

T03. Sea Level Rise Viewer and Data: Adding Local Scenarios

T04. Planning and Coordinating Field Work with Esri's Dashboard, Collector, and Workforce Apps

T05. Maryland Coastal Atlas and Resiliency Tools

T06. CO-OPS' Coastal Inundation Dashboard

T07. The NOAA Shoreline Data Explorer Application: Including the Continually Updated Shoreline Product

T08. New York's Geographic Information Gateway

T09. SECOORA Data Portal: Coastal and Ocean Data for the Southeast

T10. The Digital Coast Data Access Viewer

T11. The Northeast Ocean Data Portal: A Web-Based Ocean Planning Tool

T12. SeaSketch: A Software Service for Collaborative Planning

T13. How to Use Land Cover Data as a Water Quality Indicator

T14. Expanding Coastal Community Planning Opportunities in Western Lake Erie Using the Natural Solutions Toolkit

T15. Land Use Web Portal

T16. Shades of Grey: New Techniques to Mosaic Acoustic Intensity Surfaces

T17. MarineCadastre.gov: Ocean Reporting Tool

T18. Estuary Data Mapper: A Coastal Information System to Propel Emerging Science and Inform Environmental Management Decisions

7:30 a.m. to 5:00 p.m.
Ballroom Foyer
REGISTRATION CHECK-IN

7:30 a.m. to 5:00 p.m.
Room 14
SPEAKER READY ROOM

8:00 a.m. to Noon
Ballroom C1/C2/C3
EXHIBITS

8:30 to 10:00 a.m.

CONCURRENT SESSIONS

ELEVATION DATA: COLLECTION, CREATION, AND DISSEMINATION *ROOM 6/7*	**SOCIOECONOMIC AND ENVIRONMENTAL DECISION-SUPPORT TOOLS** *ROOM 8/9*	**VISUALIZATION OF SEA LEVEL RISE AND FLOOD RISK** *ROOM 10/11*	**IMPROVING RESILIENCE WITH DATA AND TOOLS** *ROOM 12/13*
C01. Projects in Varying Environments: Lessons Learned during Acquisition and Processing	**C04.** Open Heat Vulnerability Mapper	**C07.** Sea Level Rise Associated Vulnerability Assessment to Support Planning along Cape Hatteras National Seashore	**C10.** Online Mapping Interface to Link Nature-based Science and Policy Solutions for Climate Adaptation
C02. Constructing Regional Topobathymetric Elevation Models Using Custom ArcGIS Tools	**C05.** Using a Web-based Decision Support System and Facilitation Process to Assist Great Lake Communities in Creating Watershed Action Plans	**C08.** Adequacy of Current and Planned Coastal Elevation Data for High Confidence Assessments of Sea-Level Rise Vulnerability	**C11.** The "Community Rating System Explorer": A Tool to Support Floodplain Management and Improve Coastal Resilience
C03. Towards an Accurate and Consistent National Coastal Digital Elevation Dataset	**C06.** Developing a Web-based Decision Support Tool for Coastal Permitting in CNMI	**C09.** Visualizing Sea Level Rise to Examine the Nexus of Climate Change and Socio-Economic Security	**C12.** Maryland Coastal Resiliency Assessment: Mapping Natural Solutions for More Resilient Communities

10:00 to 10:30 a.m.

Ballroom C1/C2/C3
BREAK

10:30 a.m. to Noon

CONCURRENT SESSIONS

MEASURING QUALITY AND UNCERTAINITY IN ELEVATION MAPPING *ROOM 6/7*	TELLING STORIES WITH DATA *ROOM 8/9*	SEA LEVEL RISE PLANNING *ROOM 10/11*	HURRICANE MATTHEW MAPPING *ROOM 12/13*
D01. Improving the Quality of Lidar Data for Coastal Terrain Modeling and Analysis	**D04.** Bringing Research Results to Life with Story Maps	**D07.** STORMTOOLS Coastal Environmental Risk Index: A GIS Based Tool to Assess Coastal Flooding Damage to Structures and Infrastructure	**D10.** Ground Truthing Flood Inundation during Hurricane Matthew in North Carolina
D02. Integrated Bathymetric-Topographic Digital Elevation Model Uncertainty	**D05.** Story Map Describing the Ocean Economies of Puerto Rico and the U.S. Virgin Islands	**D08.** Planning for Future Flooding, Building a Sea Level Rise Exposure Inventory for Oregon's Estuaries	**D11.** The Utilization of Flood Hazard Risk Data and Real-Time Alerting during Hurricane Matthew
D03. Bathymetric Lidar Quality Level Measurements	**D06.** Exploring 83 Years of Coastal Climate Change with the Story Map "Connecticut's Coast: Then and Now"	**D09.** Determination and Mapping of Future Sea Level Rise Planning Scenarios for Delaware	**D12.** New Geospatial Storm Surge Risk Products from the National Hurricane Center

Noon to 1:30 p.m.
Ballroom B/C4
NETWORKING LUNCHEON

1:30 to 3:00 p.m.

CONCURRENT SESSIONS

DATUMS AND DEMS: LATEST AND GREATEST DATA, TOOLS, AND METHODS *ROOM 6/7*	BROADENING THE TEMPORAL AND SPATIAL SCALE OF ENVIRONMENTAL DATA *ROOM 8/9*	TOPO/BATHY LIDAR COLLECTION AND VISUALIZATION *ROOM 10/11*	POST-STORM DATA COLLECTION, ANALYSIS, AND VISUALIZATION *ROOM 12/13*
E01. Modernizing the National Spatial Reference System	**E04.** Time-Animated Data: Acoustic Telemetry off the South Carolina and Georgia Coast	**E07.** Recent Topobathymetric Lidar Surveys in Various Coastal, Riverine, and Lacustrine Environments	**E10.** Post-Storm Analysis and Visualization of Surge and Wave Time Series
E02. New 3rd Edition of "Digital Elevation Model Technologies and Applications: The DEM Users Manual"	**E05.** Analyzing Environmental Influences on the Spatial Distribution of Fish Species along the South Atlantic Bight and Projecting Future Distributions Using Different Climate Scenarios	**E08.** Coastal/Nearshore and Offshore Bathymetric Requirements and Benefits Study	**E11.** Event-Based Flood Data Collection and Dissemination: The USGS Flood Event Viewer and Short-Term Network Database
E03. Online Tidal Datum Computations	**E06.** Elevation, Vegetation, and Water Levels: In Coastal Wetlands There's No Substitute for On-the-Ground Measurements	**E09.** Shoreline Mapping in the Aftermath of Superstorm Sandy: A Topobathymetric Lidar-based Approach to Updating the National Shoreline	**E12.** Hurricane Hermine: Rapid Response for Evaluation of Structure Flooding Impacts in Florida

3:00 to 5:00 p.m.
Ballroom A
TOOLS SHOWCASE

T19. New Jersey Waterway Linear Referencing System

T20. Gateway to the Nation's Existing Lidar Datasets: The U.S. Interagency Elevation Inventory

T21. Beach Profiling Monitoring Web Application

T22. Evolving Ocean Mapping: Developing a Seamless Workflow for Acquisition, Processing, Visualization, and Sharing of Hydrographic-based Data

T23. GANDALF: A Decision Support System for AUV Operators in the GOM

T24. OpenNSPECT: A Tool for Examining Impacts of Climate and Land-use Change on Runoff, Non-Point Pollution, and Erosion

T25. Developing End-User Tools for Response Plan Management in ERMA

T26. GCAMP: Georgia Coastal and Marine Planner

T27. Online Map-based Surveys with SeaSketch

T28. The Sea Level Scenario Sketch Planning Tool: Assessing Vulnerable Transportation Infrastructure and More

T29. NOAA's Land Cover Atlas

T30. The USACE Field Research Facility Data Integration Framework Portal: A Modular and Scalable Approach to Web-based Data Visualization and Analysis

T31. ENOW Explorer

T32. NOAA's Lake Level Viewer: United States Great Lakes

T33. Coastal Oblique Imagery

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

T35. NACCS Viewer Based on OceansMap Framework

T36. St. Louis River Area of Concern Data Visualization

6:30 p.m.
Outside the main entrance of the convention center
DEPART FOR THE SPONSOR RECEPTION

7:00 to 10:00 p.m.
William Aiken House, downtown Charleston
SPONSOR RECEPTION

THURSDAY, FEBRUARY 9

8:00 a.m. to 12:30 p.m.
Second Floor Foyer
EVALUATION COMPLETION AND TOWEL PICK-UP

8:00 to 11:00 a.m.
Room 14
SPEAKER READY ROOM

9:00 to 10:30 a.m.

CONCURRENT SESSIONS

DATA AND METHODS FOR COASTAL BOUNDARY DETERMINATION *ROOM 6/7*	TOOLS FOR INFRASTRUCTURE RISK AND IMPACTS *ROOM 8/9*	NEW TECHNOLOGIES FOR COASTAL APPLICATIONS *ROOM 10/11*	TOOLS FOR OFFSHORE MANAGEMENT *ROOM 12/13*
F01. Coastal Hazards: Defining Inlet Hazard Areas Using a 30-Year Risk Line	**F05.** Inundation Modeling of Buildings for National Parks in the Northeast U.S. Using SLOSH and On-the-Ground Survey Data	**F09.** Passive and Active: Remote Survey Solutions for the Nearshore, an Integrated Approach	**F13.** MarineCadastre.gov – Ocean Reporting Tool
F02. National Beach Preservation Advocacy: Geospatial Tools and Outreach	**F06.** Assessment of Infrastructure Risk from SLR to Support Joint Land Use Studies; Beaufort County, SC	**F10.** Climate Change Tools for Resiliency Planning	**F14.** Aquamapper: A Decision-Support Tool for Regulating Offshore Aquaculture in the Gulf of Mexico
F03. Coastal Enhancements to the National Hydrology Dataset	**F07.** Quantifying Increased Flood Risk to Transportation Infrastructure Due to Sea Level Rise	**F11.** The DESIS Hyperspectral Instrument – A New Space-Based Tool for Coastal Zone Monitoring	**F15.** Putting Together a SeaSketch Project: Case Study from the Channel Islands National Marine Sanctuary
F04. Drainage Analysis for Lake Erie	**F08.** Decision-Support System to Assess the Impact of Sea Level Rise on Critical Infrastructure	**F12.** Urthecast Video Imaging from Earth Orbit: A New Tool for Mapping Coastal Bathymetry	**F16.** Estimating Terrestrial Sediment and Nutrient Delivery to Coral Reefs around Puerto Rico using a Free GIS Tool

10:30 to 11:00 a.m.
Room 4/5
BREAK

11:00 a.m. to 12:30 p.m.
CONCURRENT SESSIONS

NOAA'S GEOSPATIAL SUPPORT TO THE COASTAL COMMUNITY *ROOM 6/7*	TOOLS FOR HABITAT CHARACTERIZATION *ROOM 8/9*	MAPPING AND MONITORING WITH UNMANNED AERIAL SYSTEMS *ROOM 10/11*	DATA RESOURCES FOR FLOOD RISK MANAGEMENT *ROOM 12/13*
G01. Office of Coast Survey Latest GIS Applications	**G05.** A Baseline Ecological Assessment of the Tidal Choptank River: Digital Atlas, Web Mapping Portal, and Baseline Status Report	**G09.** Small UAS-based LiDAR Acquisition and Processing Considerations for Natural Resource Management	**G13.** Using FEMA's Tools to Better Identify, Communicate, and Mitigate Flood Risk
G02. NGS' Capabilities that Support the Geospatial Community	**G07.** Mapping Habitat Quality for Listed Beach Species: An Index to Inform Mitigation Planning for the Florida Beaches Habitat Conservation Plan	**G10.** Unmanned Aerial Systems for Coastal Mapping and Change Detection	**G14.** Multi-hazard Flooding Risk Maps for Coastal Community Water Infrastructure
G03. Continued Evolution of NOAA's Environmental Shoreline Mapping Program	**G08.** SPLASH: A Decision Support System for Habitat Conservation Plan Development	**G11.** Using Small UAS and USV for Coastal Monitoring and Analysis	**G15.** Leveraging Available Data Sets in Response to Implementing Federal Flood Risk Management Standards
G04. Standardizing Coastal Geographic Response Plans at a National Level		**G12.** UAS-Based Lidar and Imagery in the NERRS Marshes	**G16.** Private Homeowners Using Public Resources to Determine Special Flood Hazard Areas