



AGENDA

National Geospatial Preparedness Summit


August 7-9, 2017

University of Alabama – Tuscaloosa, AL



August 7 - Day 1 - Training and Workshops

Times	GIS Technical – Hands-On Training (Basic Level)	GIS Technical – Hands-On Training (Intermediate Level)	Workshops (Interdisciplinary)
8:00am	Registration & Hosted Breakfast Sellers Auditorium		
9:00am	<p>Part 1: Intro to Web GIS for Public Safety</p> <p style="text-align: center;">Link to Training Tutorials & Data</p> <p>Participants complete a series of hands-on training modules to develop skills fundamental to using web-based GIS for basic public safety planning and operations, relevant across all disciplines and levels of government. Participants will be provided with an ArcGIS Online account and sample training data.</p> <ul style="list-style-type: none"> • Overview of available data • Convert street addresses into spatial data • Display converted street addresses as features • Geocoding in web GIS • Symbolizing data in web GIS • Use basic routing features <p><i>Instructors: Milton Ospina, HERE (CO) Chris Rogers, Kirkland Fire Department (WA) Camille Galdes, NAPSG Foundation (VA)</i></p>	<p>ArcGIS Pro and ArcGIS Online Training</p> <p style="text-align: center;">Link to Tutorial & Map Package</p> <p>Participants complete a series of hands-on training exercises using ArcGIS Pro, ArcGIS Online, and open data to develop products for use by decision makers in public safety.</p> <ul style="list-style-type: none"> • Overview of ArcGIS Pro • Utilize modeling outputs from other resources in ArcGIS Pro • Publishing maps created in ArcGIS Pro to ArcGIS Online • Accessing and using open data • Conducting basic spatial analysis related to an incident impact using ArcGIS Online • Creating a basic situational awareness product in ArcGIS Online <p><i>Instructors: Tari Martin, Program Specialist, NAPSG Foundation (MD) Shelby Zelonis, GIS Manager, Montgomery County Police Department (MD)</i></p>	<p>Data Preparedness Workshop</p> <ul style="list-style-type: none"> • 2016 Lessons Learned in GIS Collaboration: Phil Beilin, GIS Coordinator, City of Walnut Creek (CA) • Core Information Requirements: Work Session to identify and prioritize core information and data for public safety. • HIFLD Overview & Uses: Learn how the 400+ HIFLD data layers can be accessed and used to fill core information requirements and provide inputs on needs and priorities. <ul style="list-style-type: none"> - HIFLD Slidedeck (Coming Soon!) - Link to HIFLD Open - HIFLD Data List <p><i>Facilitators: Mike Donnelly, Deputy Director, Geospatial Management Office, US Department of Homeland Security David Bialek, HIFLD Program Manager, National Geospatial Intelligence Agency</i></p>
12:00pm	Hosted Lunch Sellers Auditorium		

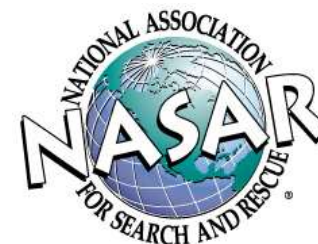
Times	GIS Technical – Hands-On Training	Leaders and Decision Makers	Concurrent Workshops
1:00pm	<p>Part 2: Intro to Web GIS for Public Safety</p> <p>Link to Training Tutorials & Data</p> <p>A series of hands-on training modules to develop skills in web GIS for basic public safety.</p> <ul style="list-style-type: none"> • Develop tables with essential spatial data • Download and add symbology • Overlay features and layers • Conduct hotspot analysis • Use timelines with data over several days • Overview of Web AppBuilder • Configure a web application template <p><i>Instructors: Tari Martin, NAPSG Foundation (MD) Chris Rogers, Kirkland Fire Department (WA)</i></p> <hr/> <p>Intermediate Training: Configuring Apps for Common Public Safety Workflows</p> <p>Learn how to configure apps to support common public safety workflows and share lessons learned from past events.</p> <ul style="list-style-type: none"> • Gaining and maintaining Situational Awareness with the Web AppBuilder • Briefing decision makers with Story Maps • Getting information in to and out of the field with Survey123 • Deputizing the crowd for information gathering <p><i>Instructors: Jeff Baranyi, Esri and Jon Pedder, Esri</i></p>	<p>Executive Seminar: Present and Future State of Situational Awareness Capabilities</p> <p>Link to Agenda & Materials</p>  <p><i>In partnership with US Naval Postgraduate School Center for Homeland Defense and Security</i></p> <p>This Executive Level Education Seminar provides participants with an opportunity to engage in a tabletop exercise that is based on a real-world incident scenario based on a complex coordinated attack. The seminal questions that will be addressed include:</p> <ul style="list-style-type: none"> • What is the 5-year vision for public safety GIS capabilities? What emergent challenges will GIS be required to address? • What constitutes next generation situational awareness capabilities? How does public safety move from the current state to mature capabilities? • What does the future hold for GIS to contribute to predictive analytics, specifically as concerns complex coordinated attacks and asymmetric scenarios? <p>Lead Facilitator: <i>Clark Kimerer, (ret) Deputy Chief of Police, Seattle Police Department and Board of Directors, NAPSG Foundation (WA)</i></p>	<p>Meeting: FEMA Geospatial Working Group Meeting</p> <p>A GWG Meeting will be held at NGPS for participating FEMA staff from headquarters and the Regions. Closed Meeting.</p> <hr/> <p>Workshop: Strengthening Community Resilience through Location-Enabled Data, Technology, and Analysis</p> <p><i>In partnership with the US Geospatial Intelligence Foundation</i></p> <p>This workshop is designed for first responders and local/state GIS leaders. It serves to:</p> <ul style="list-style-type: none"> • Gain a common understanding of the current state of geospatial maturity • Share challenges and obstacles in further advancing implementation • Identify and discuss needs, requirements, and potential solution sets <p>Facilitators: <i>Talbot Brooks, Delta State University (MO) Darryl Murdock, USGIF (VA)</i></p>

4:30pm-
6:30pm

Map Gallery Competition & Networking Social

*Venue: Lobby of the Bryant Conference Center at the University of Alabama
Hors d'oeuvres and Beverages Will be Provided*

2017 National Geospatial Preparedness Summit Partners



August 8 - Day 2 – Plenary & Breakout Sessions

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Times	Geospatial Operations & Coordination	Emergency Services	Emergency Management
8:00am	Registration & Hosted Breakfast Sellers Auditorium		
9:00am	<u>Welcome and Opening Remarks</u> Peter O'Rourke, Executive Director, NAPSG Foundation Michael Donnelly, Deputy Director, Geospatial Management Office, US Department of Homeland Security Dr. David Alexander, Chief Geospatial Scientist, US Department of Homeland Security Science and Technology Directorate John M. Wiest, Associate Dean, College of Engineering, University of Alabama, Tuscaloosa Rast		
9:30am	<u>KEYNOTE: Achieving Intelligent Disaster Operations from the Field to the EOC</u> Josh Dozor, Director, Planning Division Federal Emergency Management Agency Rast		
10:00am	<u>KEYNOTE: How Disasters Force Collaboration and Enable Us to Think Entrepreneurially</u> Rob Robertson, Director, Tuscaloosa County Emergency Management Agency Rast		
10:30am	Morning Coffee Break Sellers Auditorium		
10:45am	<p><u>Workshop: Unifying Efforts Among Local & State Public Safety with National Guard for Domestic Operations</u></p> <p>This workshop is designed to convene local and state GIS leaders with the National Guard to develop strategies that unify efforts for domestic operations, both in preparedness and across response & recovery. This session will highlight lessons learned from recent exercise and large scale events.</p> <p>Facilitators: MG William Reddel, New Hampshire National Guard Cpt. John Petro, New Hampshire National Guard Michael Domingue, NAPSG Foundation</p>	<p><u>Panel Demos and Requirements Discussion: First Responder Emerging Technologies</u></p> <ul style="list-style-type: none"> • <u>New and Emerging Capabilities from DHS S&T:</u> Dr. David Alexander, DHS S&T First Responders Group • <u>Innovations in Technology for Resource Management:</u> Jeff Dulin, Assistant Director, International Association of Fire Chiefs (NC) • <u>Los Angeles Regional Cloud Based Public Safety Information Sharing Platform:</u> Devra Schwartz, Vice President, Los Angeles Homeland Security Advisory Council (CA) • <u>Innovations in Public Safety Technology:</u> Dr. Laura Myers, Center for Advanced Public Safety, University of Alabama (AL) 	<p><u>Ignite Talks: Mutual Aid Operations and Resource Management</u></p> <ul style="list-style-type: none"> • <u>National Mutual Aid Technology Exercise:</u> Rebecca Harned, NAPSG • <u>Mutual Aid Technology Outcomes and Available Tools:</u> Don McGarry, ArdentMC • <u>Bringing Emerging Tech and IoT to Resource Management:</u> Don McGarry • <u>Taking GIS Into the Field for Disaster Response:</u> David Allen, State Director, Texas Emergency GIS Response Team (TX) • <u>Resources Typing and Mission Ready Packaging GIS Resources:</u> Richard Butgereit, Florida Division of Emergency Management (FL)

August 8 - Day 2 – Plenary & Breakout Sessions

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Times	Geospatial Operations & Coordination	Fire and Emergency Services	Emergency Management
12:15pm	Hosted Lunch Sellers Auditorium		
1:30pm	KEYNOTE: Innovations in Science & Technology for First Responders Dan Cotter, Director, First Responders Group, US Department of Homeland Security Science and Technology Directorate		
1:50pm	KEYNOTE: State and Future of Public Alert and Warning Technology Mark Lucero, Integrated Public Alerts & Warnings, FEMA National Continuity Programs		
2:15pm	Panel Workshop: National Policy and Tools for Geospatial Coordination <ul style="list-style-type: none"> • GeoCONOPS, HIFLD, and the Geospatial Information Infrastructure: Mike Donnelly, Deputy Director, DHS Geospatial Management Office • National Map Program and Disaster Response Data Resources: Lance Clampitt, USGS • NOAA Emergency Response Imagery: Mike Aslaksen, Chief, NOAA Remote Sensing • GIS Inventory: Richard Butgereit, CIO, Florida Division of Emergency Management • Information Sharing Capability Maturity Model: Ron Langhelm, DHS S&T 	Panel Demonstrations and Discussion: Best Practices in the Use of GIS by Local First Responders <ul style="list-style-type: none"> • A Look Back at the history of the AGS and AAG: Ted Okada, CTO, FEMA • The Pre-Incident Planning System: Amy Hoyt, GIS Manager, Lee County (FL) • Tools and Resources for Pre-Incident Planning and Indoor Mapping: Chris Rogers, Lieutenant, Kirkland Fire Department (WA) • GIS Training Resources for Search and Rescue: Bryan Enberg, National Association for Search and Rescue 	Workshop: Implementing Consistent Workflows for Damage Assessment Across Local, State, and Federal Agencies <p>After a flooding event occurs, it is critical to understand the impacts as quickly as possible to determine the necessary resources.</p> <ul style="list-style-type: none"> • Learn about common damage assessment processes, workflows, and tools in use today at the local, state, and Federal levels. • Discuss potential solutions for improving damage assessment outcomes Presenters and Facilitators: Catherine Bohn, Dewberry <ul style="list-style-type: none"> - MEMA Damage Assessment Tool Video - MEMA Damage Assessment Schema Mick Brierley, FEMA, Recovery Directorate
3:45pm	Afternoon Break		
3:55pm	Plenary Case Studies & Discussion: Flood Preparedness, Mitigation, Response, and Recovery Lessons Learned in using GIS for Georgia Flooding with CERT - Alan Stensland, FAA and International Association of Emergency Managers Best Practices in GIS Use for Flood Preparedness and Response from Recent Disasters - Jeff Baranyi, Esri		
4:45pm	Day 2 Debrief * Logistics for Day 3		

August 9 - Day 3 – Plenary & Exercise

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8:00am	Registration & Hosted Breakfast Sellers Auditorium			
9:00am	Welcome and Day 1 & 2 Recap - NAPSG Foundation and DHS Peter O'Rourke, Executive Director, NAPSG Foundation			
9:10am	<u>KEYNOTE: Keynote and Recent Lessons Learned in innovations for Flood Forecasting and Modeling</u> Trey Flowers, Division Director of Analysis and Prediction, National Water Center			
9:40am	<u>Preparedness and Exercise Resources in PrepToolKit</u> David Blakeman, Contract Support, FEMA National Exercise Division			
9:55am	Exercise Introduction and Overview			
10:05am	Functional Exercise and Stress Test <u>Exercise Opening Slides</u> <u>Exercise Situation Manual</u> Exercise After Action Report (Coming Soon!)			
	Decision Makers & Operators <i>FEMA / Blanco County</i>	Decision Makers & Operators <i>Texas / Hays County</i>	GIS Practitioners <i>FEMA / Blanco County</i>	GIS Practitioners <i>Texas / Hays County</i>
12:00pm	Hosted Lunch			
1:00pm	Functional Exercise and Stress Test – <i>Continued</i>			
	<i>Hays County</i>	<i>Blanco County</i>	<i>FEMA</i>	<i>Texas</i>
3:00pm	Afternoon Break			
3:10pm	Hot Wash – Exercise After Action Debrief			
4:10pm	Debrief from 3 Days - Critical Take A-Ways & Next Steps Peter O'Rourke, Executive Director, NAPSG Foundation			
4:30 pm	2017 NGPS Program Adjourned			