



Homeland  
Security

# Preliminary Results

**2016 National Geospatial Preparedness Summit (NGPS)**

Prepared by David Alexander - GMO

22 September 2016

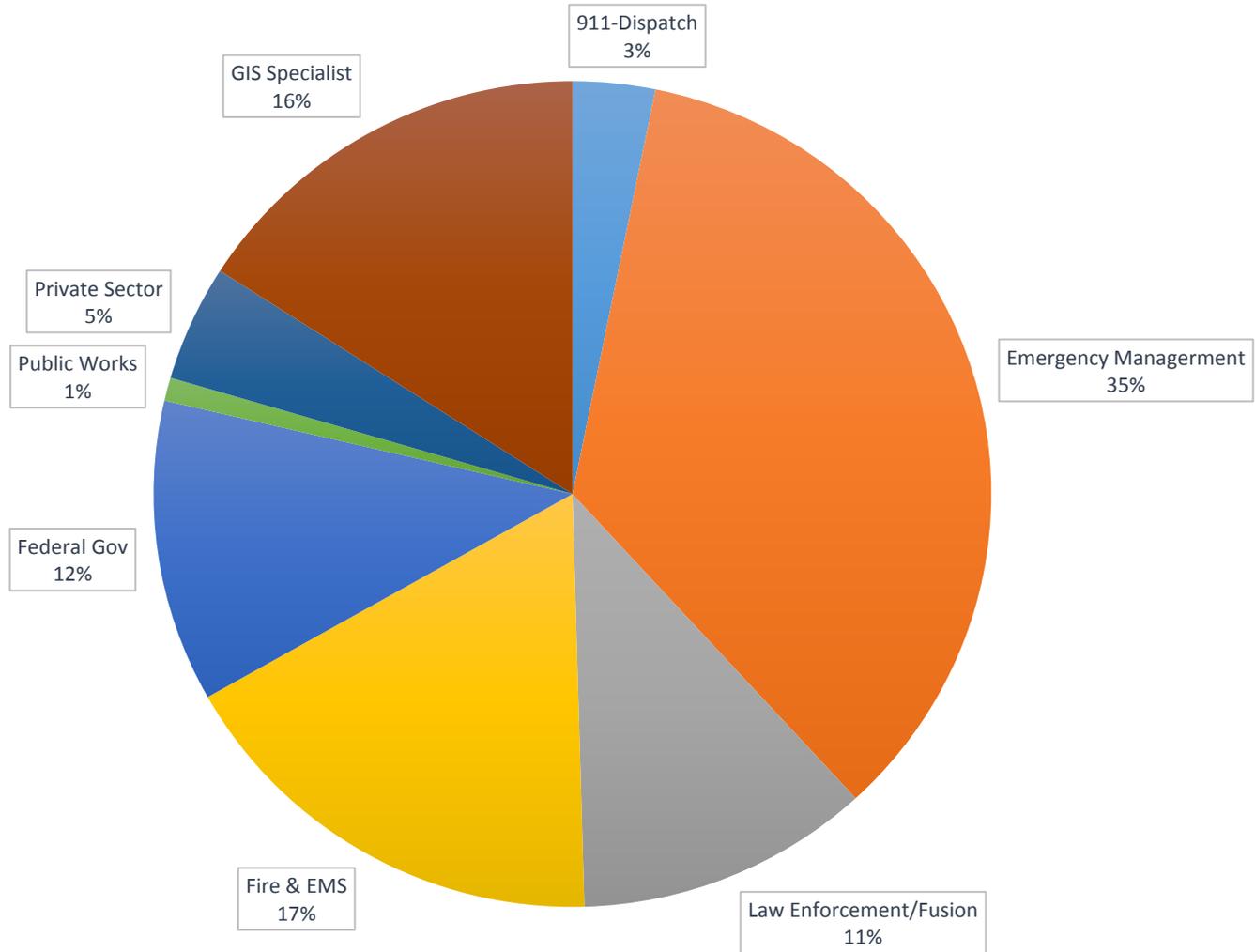
**Prepare agencies with the knowledge and skills necessary to advance the use of geospatial decision support technology and data.**

NGPS Participants successfully:

- Developed a common understanding of what information (and data) are needed to make effective decision
- Learned how to create GIS-based products that fulfill mission critical information requirements of decision makers
- Exercised and validated capabilities
- Identified specific gaps in our capabilities, areas for improvement, and practical solution sets



# Who Participated



# National Representation

- 2015

150 new participants



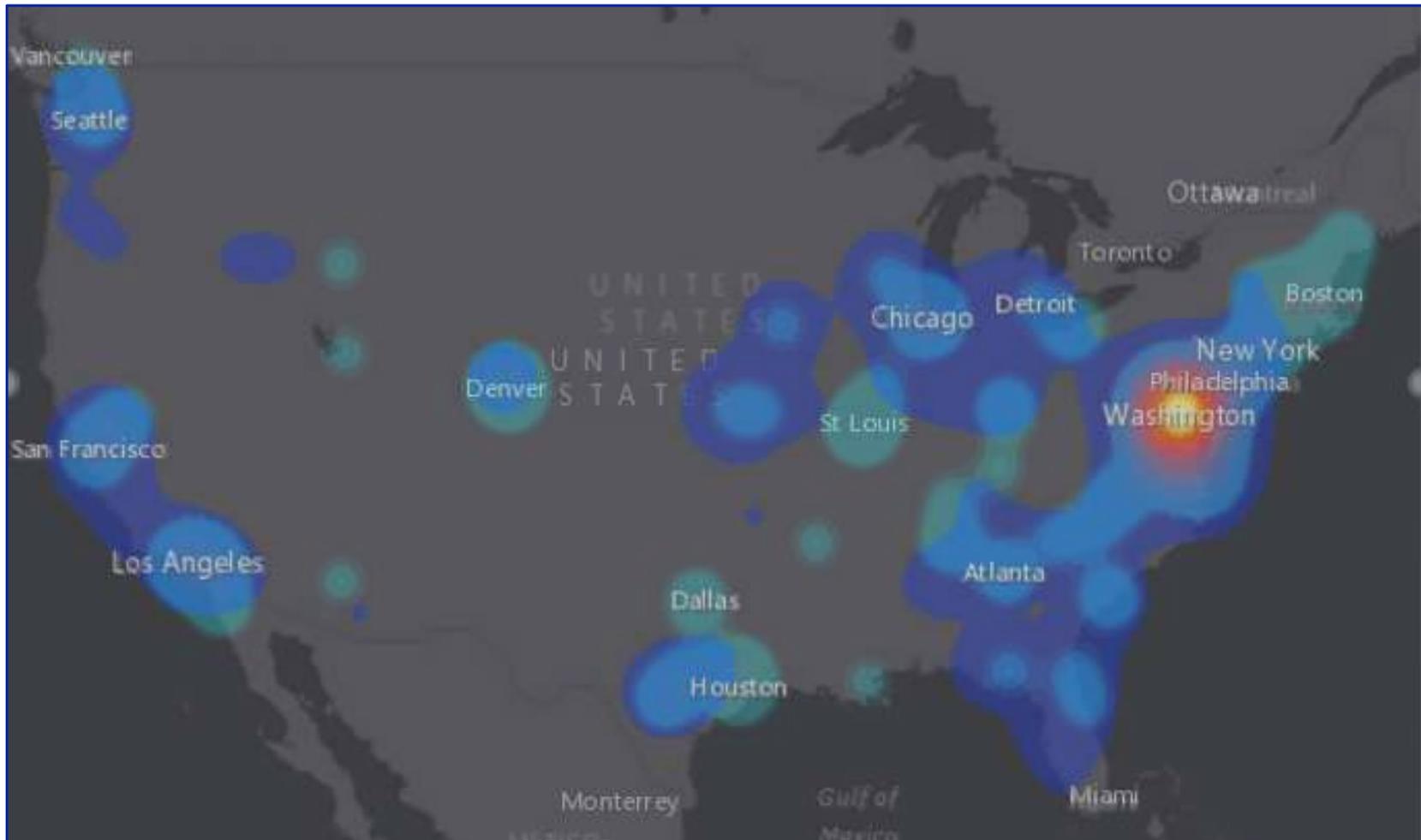
- 2016

156 new (180 total participants)



# National Representation: Two year Totals

356 participants representing FSLTTP



# Agenda – Morning Day 1



September 13 - Day 1				
Times	GIS Technical	Emergency Management	Fire and EMS	Law Enforcement
7:30am	Registration & Hosted Breakfast 12 <sup>th</sup> Floor Foyer - Cafeteria			
8:30am	Welcome - Building Agency Maturity in Using Geospatial for Preparedness & Operational Readiness David Alexander, Geospatial Information Officer, US Department of Homeland Security (DHS) Plenary Room			
8:45am	Keynote - Building More Resilient and Prepared Communities in an Increasingly Complex World Judge Alice Hill, Special Assistant to the President and Senior Director for Resilience Policy, National Security Council, White House Plenary Room			
9:25am	Stepping into a Disaster Environment & Changing the Outcomes for Survivors Chief Michael Barakey, Virginia Beach Fire Department and Virginia USAR Task Force II Plenary Room			
9:45am	Morning Coffee Break Cafeteria			
10:00am	<b>Hands-On Training:</b> Integrating DHS Geospatial Tools, Infrastructure Data, and Standardized Symbology <ul style="list-style-type: none"> <li>DHS Geospatial Tools - Mike Donnelly, DHS</li> <li>Lew Summers, DHS</li> <li>Gene Anzano, DHS</li> <li>Integrating Standardized Symbology - Chris Rogers, Kirkland Fire Department (WA)</li> </ul>	<b>Workshop:</b> GIS Preparedness for Incident Management and Coordination <ul style="list-style-type: none"> <li>Assessing Public Safety GIS Maturity - Ryan Lanclas, NAPSG</li> <li>Build SOGs for your Agency - Rebecca Harned, NAPSG</li> <li>Developing GIS staffing strategies - Richard Butgereit, FL Division of Emergency Management (FL)</li> <li>Apps for Implementing an IOC - Jeff Baranyi, Esri (CO)</li> </ul>	<b>Hands-On Training:</b> Applying the USNG as a Common Location Reference System for Operations <ul style="list-style-type: none"> <li>Peter Hanna, Baltimore City Fire Department (MD)</li> <li>Eric Fisher, Fairfax County Fire Rescue (VA)</li> <li>Jim Ingledue, VA Beach Fire/USAR Task Force II</li> <li>Rand Napoli, Chairman, NAPSG Foundation</li> </ul>	<b>Hands-On Training:</b> Law Enforcement GIS Bootcamp <ul style="list-style-type: none"> <li>Developing and configuring web maps and apps</li> <li>Producing tactical information products for law enforcement</li> <li>Developing a story map for a community engagement</li> <li>Overview on portal technology to foster collaboration - Jon Pedder, Esri (CA)</li> </ul>

# Agenda – Afternoon Day 1



September 13 - Day 1				
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Times	GIS Technical	Emergency Management	Fire and EMS	Law Enforcement
12:00pm	Hosted Lunch <a href="#">Cafeteria</a>			
1:00pm	Keynote - How National Policy Enhances Preparedness and Enables Advanced Technology Donald "Doc" Lumpkins, Director, National Integration Center, Federal Emergency Management Agency (FEMA) <a href="#">Plenary Room</a>			
1:30pm	Logistics for Afternoon Breakout Workshops			
1:40pm	<b><u>Emerging Technologies Session:</u></b> Explore technology developments that provide decision support <ul style="list-style-type: none"> <li>NAPSG State-of-the-Org on R&amp;D - <i>Ryan Lanclas, NAPSG (TX)</i></li> <li>Esri Technology Innovations for Effective Public Safety Management - <i>Jeff Baranyi, Esri (CO)</i></li> <li>Achieving Mutual Aid &amp; CAD Interoperability - <i>Don McGarry, Ardent MC (VA)</i></li> <li>Implementing a Standardized Workflow &amp; Tool for Damage Assessment - <i>Grady Joseph, FEMA (DC)</i></li> <li>Prototyping Decision Support Tools for National Hurricane Readiness - <i>Ted Okada, FEMA, Chief Technology Officer (DC)</i></li> </ul>	<b><u>Workshop:</u></b> Data Analysis & Visualization for Fire Department Resilience and Defining Operational Information Requirements <ul style="list-style-type: none"> <li><i>Tommy Hicks, IAFC (VA)</i></li> <li><i>Jeff Snow, Deputy Chief Vienna Volunteer Fire Department and IAFC (VA)</i></li> <li><i>Jeff Dulin, IAFC (SC)</i></li> </ul>	<b><u>Interactive Q&amp;A:</u></b> Lessons Learned from Special Events <ul style="list-style-type: none"> <li>Tools and resources to prepare your agency for special events - <i>Jon Pedder, Esri (CA)</i></li> <li>Review of Lessons Learned from Recent Special Events - <i>Ryan Walsh, Deputy Director, Boston Regional Intelligence Center (MA)</i></li> </ul>	
2:50pm	Afternoon Coffee Break <a href="#">Cafeteria</a>			
3:00pm	Lightning Talks: Lessons Learned & Model Practices from the Field <a href="#">Plenary Room</a> <ul style="list-style-type: none"> <li><b>Using Mobile Apps for Wildfire Mitigation/Firewise Assessments</b> - <i>Chris Corwin, GIS Analyst/CAD Administrator, Blaine County Emergency Communications (ID)</i></li> <li><b>Using GIS &amp; Smart Devices to Track Volunteers During Incidents and Special Events</b> - <i>Justin Kates, Director of Emergency Management, City of Nashua (NH)</i></li> <li><b>Using SLOSH MEOWs to Create Potential Surge and Estimate Inundation Depths at Critical Facilities</b> - <i>Richard Butgereit, GIS Administrator, Florida Division of Emergency Management (FL)</i></li> <li><b>Building Impact of a Flooding Event for Response and Recovery</b> - <i>Hope Morgan, GIS Manager, North Carolina Emergency Management (NC)</i></li> <li><b>Best Practices for a Common Operating Picture During Multi-County Flooding Events</b> - <i>Colleen Hermans, GIS Analyst, Wisconsin Division of Emergency Management (WI)</i></li> </ul>			
3:45pm	Debrief from Day 1 David Alexander, DHS GMO and Rand Napoli, Chairman, NAPSG Board of Directors <a href="#">Plenary Room</a>			



- Current minimal knowledge/understanding of NSDI by local & state
  - Establish initial messaging on NSDI for local & state
  - Conduct outreach and education on NSDI to targeted stakeholders
  
- Perception that its highly Federally-focused
  - Need to define what NSDI offers to local & state
  - Determine if and how NSDI supports local & state needs
  - Consider reviewing NSDI, identifying more relevant content and packaging it into a Public Safety NSDI Toolkit to ease discovery
  
- Other Specific Considerations
  - Unclear what NSDI is intended to do and how that varies from HIFLD
  - Could the NSDI contain a suite of standardized data schemas to support data sharing workflows
  - If providing data – need to consider how to integrate and aggregate data from most authoritative sources vs. national data layers

## Preliminary Results from 2016 Participant Feedback Forms

- 95% confirmed that they gained valuable knowledge and skills that they will bring back to their agencies
- 95% confirmed that they built connections and shared lessons learned
- 97.5% indicated that they will recommend the Summit to their colleagues

## Considerations for 2017

- 92.5% would like pre-Summit technical public safety GIS training
- Identified priority topics for next year:
  - Hands-on technical training in web GIS for public safety/homeland security
  - Functional exercise with more pre-staged priority data
  - User presentations from public safety operators/decision makers
  - Use of drones for disaster response