



AGENDA
Search & Rescue
GIS Workshop
14-16 November 2016 * Reston, Virginia



Day 1	
Times	Morning Plenary: All Audiences
8:00am	Registration and Welcome
8:45am	<u>SARGIS8 Objectives</u> Paul J. Doherty, PhD, Jared Doke, Don Ferguson, and Cole Brown SAR Working Group Chair and Co-Chair - National Alliance for Public Safety GIS (NASPG) Foundation
9:00am	<u>Georeferencing in SAR</u> Commander Rory Fleming US Coast Guard - National Search and Rescue Committee
9:30am	<u>National Park Service GIS Use in SAR</u> Andrew Hower Deputy Chief of Emergency Services Branch - National Park Service (NPS)
10:00am	Social Networking Break
10:15am	<u>Case Study: Field GIS Support for Urban Search and Rescue</u> Chief Michael Barakey Virginia Beach Fire Department and Virginia USAR Task Force II
10:45am	<u>A State Perspective: GIS in Emergency Management</u> Julia Fischer Geographic Information Officer, Department of Information Technology – State of Maryland
11:15am	<u>Unmanned Aerial Systems in SAR: What do you need to know?</u> Darren Goodbar Director of Advocacy - The National Association For Search And Rescue
11:45am	<u>Keynote: The Future of Geospatial in NASAR Training</u> Chris Boyer Executive Director / COO – The National Association For Search And Rescue
12:15pm	Lunch

Day 1	
Times	Afternoon Plenary: All Audiences
1:00pm	<p><u>Geospatial Cell Phone Forensics</u> Justin Ogden Air Force Rescue Coordination Center/Civil Air Patrol</p>
1:30pm	<p><u>What's New with USGS Topographic Mapping?</u> Rob Dollison Project Manager – United States Geological Survey</p>
2:00pm	Social Networking Break
2:15pm	<p>Demonstration – WebGIS for Operations in the Field, Command Post, and Community Jon Pedder Technology Specialist - Esri Disaster Response Program / Sierra Madre Search and Rescue</p>
2:45pm	<p><u>Case Study: Mountain Rescue Association Mission Data Collection</u> Paul J. Doherty, PhD SAR Working Group Chair - National Alliance for Public Safety GIS (NASPG) Foundation</p>
3:15pm	<p><u>Case Study: New SAR Mapping Techniques for Teton County</u> Alex Norton SAR Team Member– Teton County Search and Rescue</p>
3:45pm	<p>Technology Speed Geeking</p> <ol style="list-style-type: none"> 1. <u>GIS for the Really Large Search Operation</u> – Vanessa Glynn-Linaris 2. <u>Do you even GPS?</u> - Jared Doke 3. <u>FIND</u> - Robert Koester 4. <u>100% Found: Cell Phones as Backcountry Locator Beacons</u> - Eliot Gillum 5. <u>Get Your Base Data Together</u> - Hilary Melton 6. <u>Mapping Tech for SAR</u> - Caroline Rose 7. <u>A Whole Lot of Analysis</u> - Don Ferguson
4:45pm	<p>Panel Discussion - How to bring all of this technology together? Afternoon & Morning Speakers</p>
5:15pm	Meeting Adjourns

DAY 2 - Happy GIS Day!!!

Times	Basic Lead Instructor - Paul Doherty	Advanced Lead Instructor – Don Ferguson
8:00am	Setup	Setup
8:30am	Introductions	Introductions
9:00am	Basics of Web GIS Make a Web Map in ArcGIS Online	Setup of IGT4SAR Getting Started with IGT4SAR in ArcMap
9:30am	Make a Web Mapping App in ArcGIS Online	Plot Initial Planning Point, Clues, and Hasty Assignment
10:00am	Field Operations I Read PDF Maps with USNG – Cole Brown	Field Operations I Export Assignment PDF Maps with USNG
10:30am	Use GPS Receivers – Jared Doke	Download / Upload Data to GPS Receivers
10:50am	Social Networking Break	
11:00am	Field Operations II Using Collector for ArcGIS - Jon Pedder	Field Operations II Deploying MapSAR Online – Paul Doherty
11:30am	Using GeoForm for ArcGIS – Jon Pedder	
12:00pm	Lunch	
1:00pm	Incident Command Post I Understanding PDF Map Products	Incident Command Post I Creating Search Assignments in ArcMap
1:30pm	Using Web Map Products	
2:00pm	Incident Command Post II Using Operations Dashboard – Jon Pedder	Incident Command Post II Creating Assignment and Briefing Map Products in ArcMap
2:30pm	Using Cell GPS	

DAY 2

Times	Basic	Advanced
3:00pm	Collaboration I Collaborating in SARTopo – Cole Brown	Spatial Analysis I Terrain Models
3:30pm		
4:30pm	Collaboration II Collaborating in MapSAR Online – Jon Pedder	Spatial Analysis II Cell Phone Analysis
5:00pm		

DAY 3

Times	Basic	Advanced
8:00am	Setup and Q&A	Setup and Q&A
9:00am	SAR Pre-planning I	SAR Pre-planning I
9:30am	Creating and preparing Minimum Essential Datasets & Pre-plan maps in ArcGIS Online - Jon Pedder	Creating and preparing Minimum Essential Datasets in ArcMap – Vanessa Glynn-Linaris
10:00am	SAR Pre-planning II Interoperability with WebGIS, HIFLD Open MapSAR Online	SAR Pre-planning II Interoperability with WebGIS
10:30am	SAR Topo	MapSAR Online SAR Topo
10:50am	Social Networking Break	
11:15am	MapSAR for ArcGIS Pro	
11:30am	Exercise Briefing	
12:00pm	Working Lunch	
1:00pm	Tabletop Exercise/ Stress Test Conduct	
1:30pm		
2:00pm		
3:00pm	SARGIS8 Debrief and MapSAR x.0 Announcement	
3:30pm		
4:00pm	NAPSG Foundation SAR Working Group Quarterly Meeting	