

The Innovative PIO: Tools and Best Practices for Technology-Enabling Public Information



May 27th, 2020

National Alliance for Public Safety GIS (NAPSG) Foundation

napsfoundation.org | [@napsfoundation](https://twitter.com/napsfoundation)

Having situational awareness in the EOC....



...means nothing without situational awareness in the living room.



Today's Objectives

Everyone should leave this session with:

- A better understanding of common challenges and solutions associated with public information.
- Two stories from innovative public information officers that they can use to raise thoughtful discussion in their own agency.
- Best practices and tools for public information exchange they can get started with today.

Supported by Technology Innovation for Flood Preparedness
and Operations, DHS Science and Technology

70RSAT20C0000008

Agenda

00:00 Webinar “Housekeeping”, Recap

00:05 Hands-on Exercise

00:15 Vignettes from the EOC

- Justin Kates - Director of Emergency Management at City of Nashua, NH
- Joel Hanson & Lauren Childress – Douglas County, CO

00:45 Best Practices and Tools for PIOs

00:55 Questions & Answers via Q&A Feature in Zoom

01:00 Closing

This slide deck, supporting materials, and a recording of today’s session will be posted to the NAPSG website. Also, an email will be sent to all registered participants with the link.

Web Conference Security

Security Measures Implemented:

- All attendees are muted upon entry. Only the host can unmute a participant.
- Ability for chat-to-chat by participants has been disabled.
- Only the host and panelists with a secure and unique login can share their screens.

Options for Participation:

- Full Zoom and Audio via weblink and/or in combination with telephone for audio.
- Audio Only – Call in using the Telephone Numbers Provided to listen only.

Reminder:

All registrants will receive an email with the link to the slide deck and other resources in the next few days.

Engage and Participate!

- Due to the large attendance, all participants are muted for the duration of the session to prevent background noise.
- Please **use the Q&A functionality within Zoom** for questions.
- We will address these Q&A at the end of the webinar!

About NAPSG Foundation

Our Vision

A Nation of emergency responders and leaders equipped with the knowledge and skills in applying technology and data to change the outcome for survivors.

- 501(c)(3) Non-profit organization established in 2005
- +20,000 member network: Public Safety leaders, first responders, and GIS practitioners
- Board of Directors comprised of public safety & emergency management industry leaders



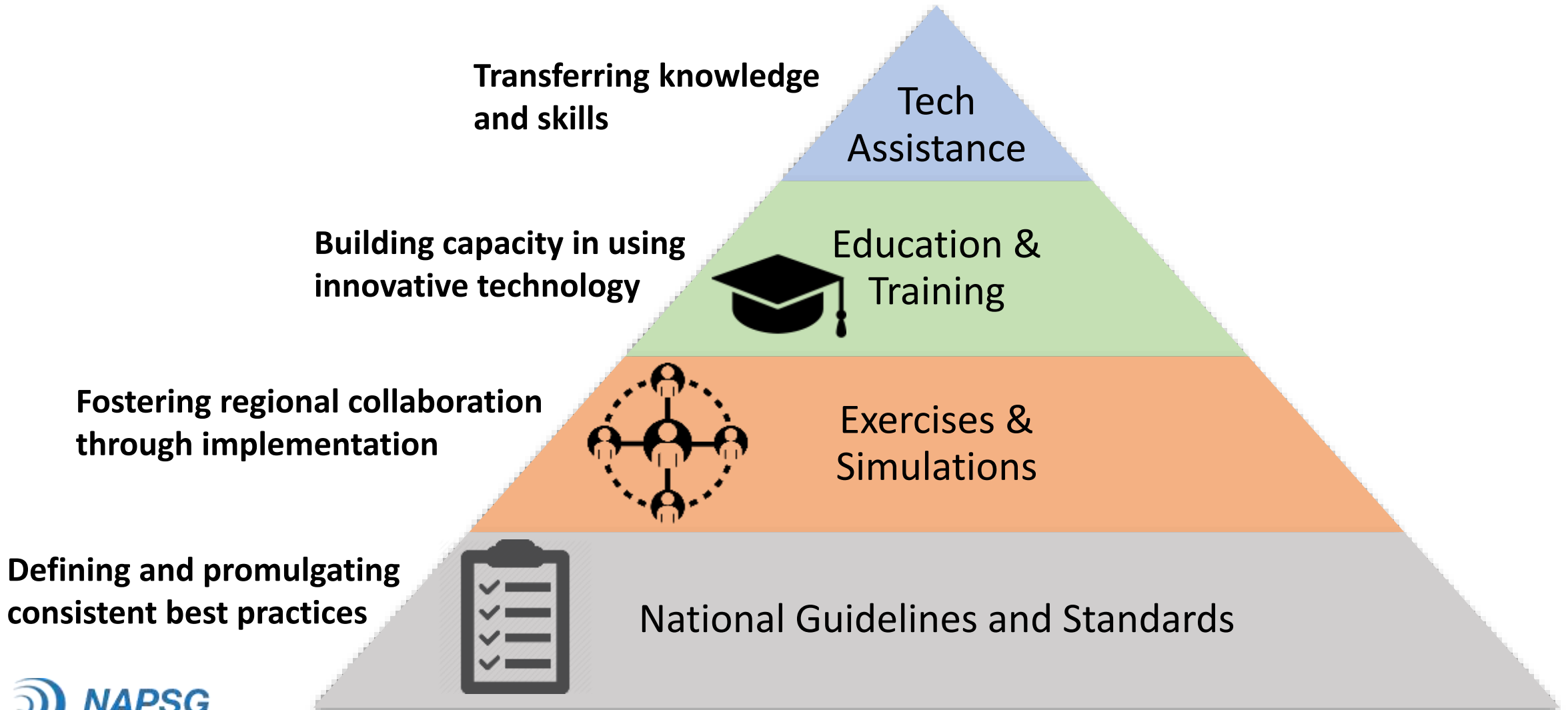
ICMA



NACCHO
National Association of County & City Health Officials
The National Connection for Local Public Health

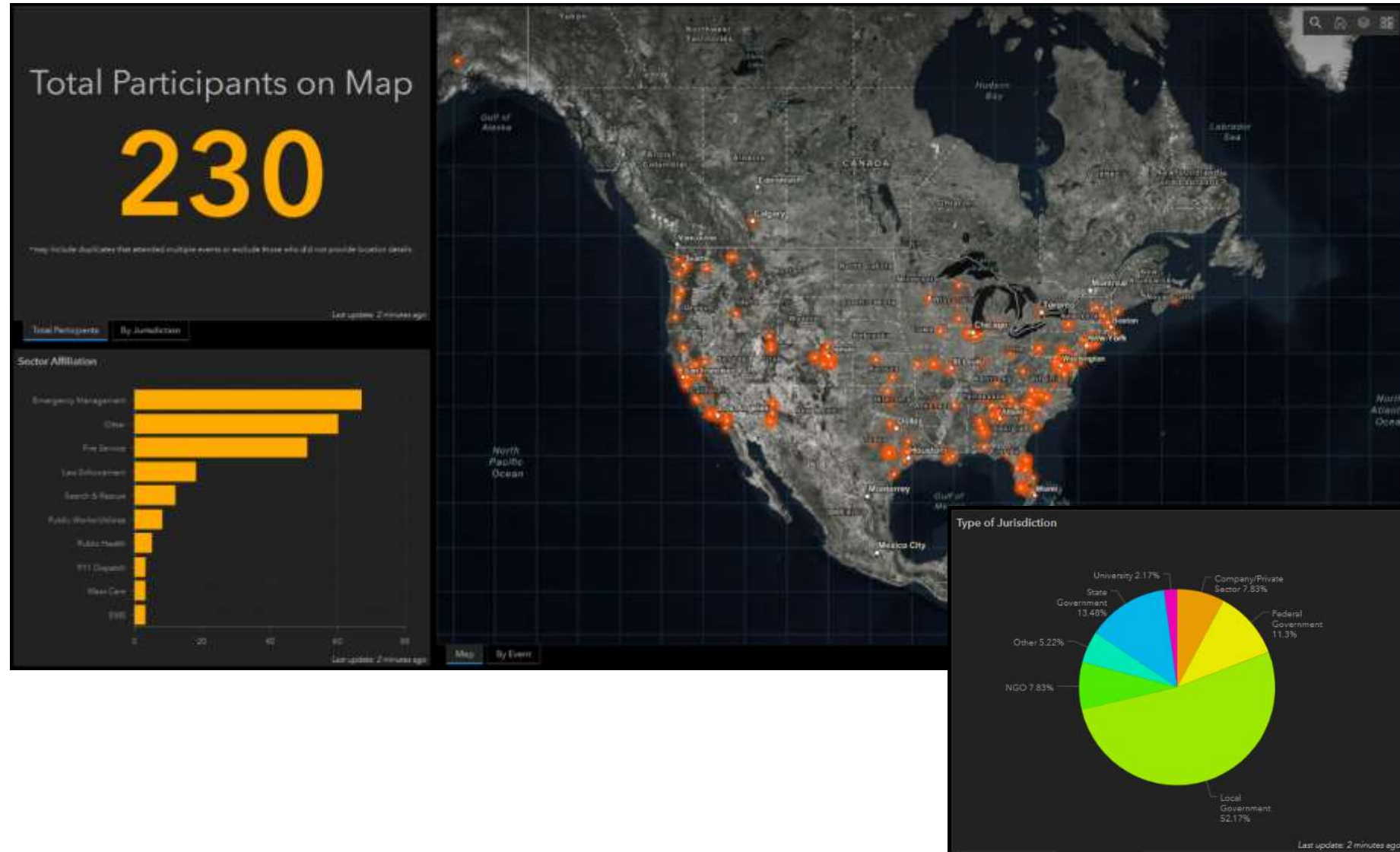


How Do We Do It

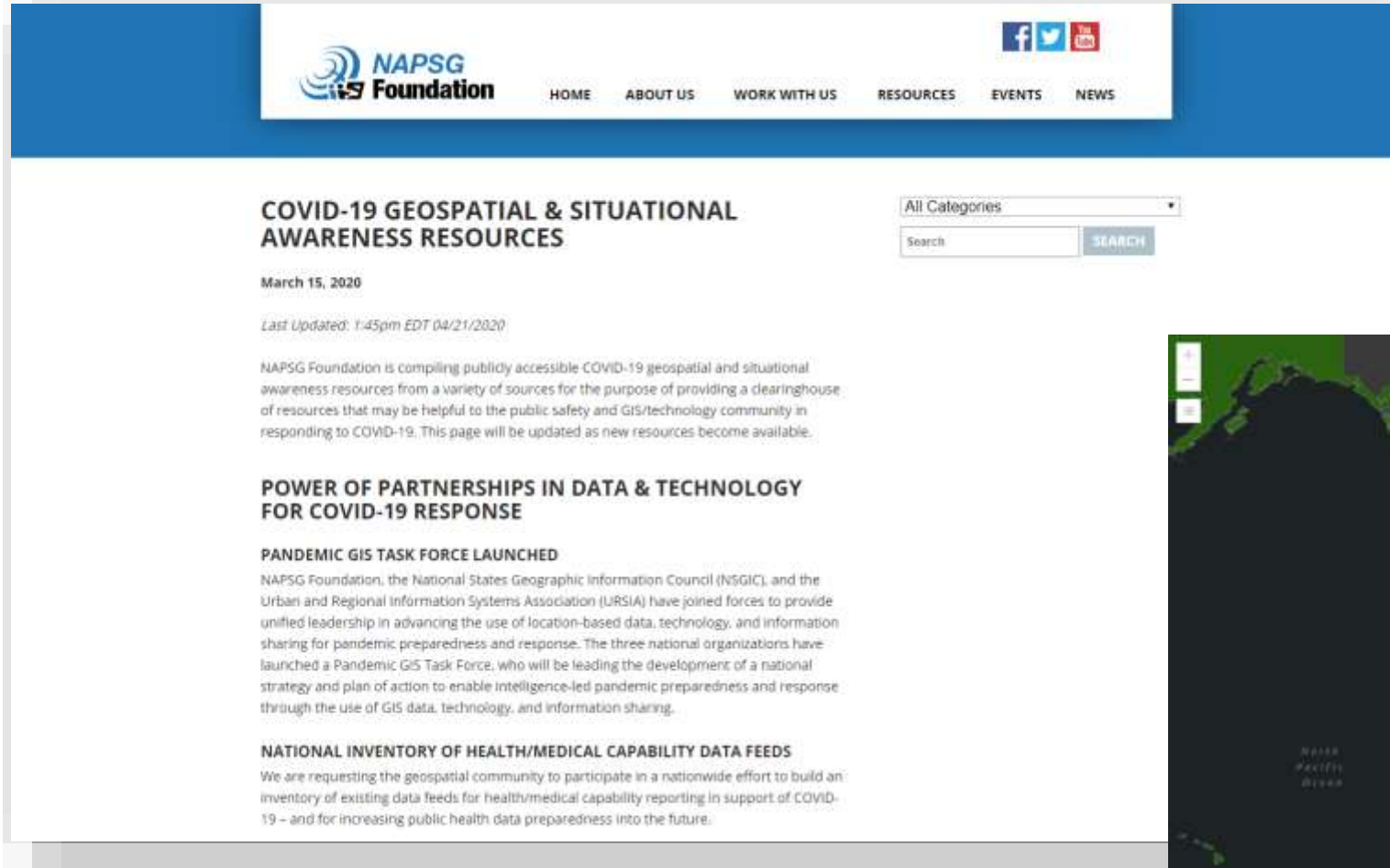


Local Focus – National Reach

- 20,000+ member network
- 12 primary national & international associations
- All disciplines
- All levels of government
- Private sector

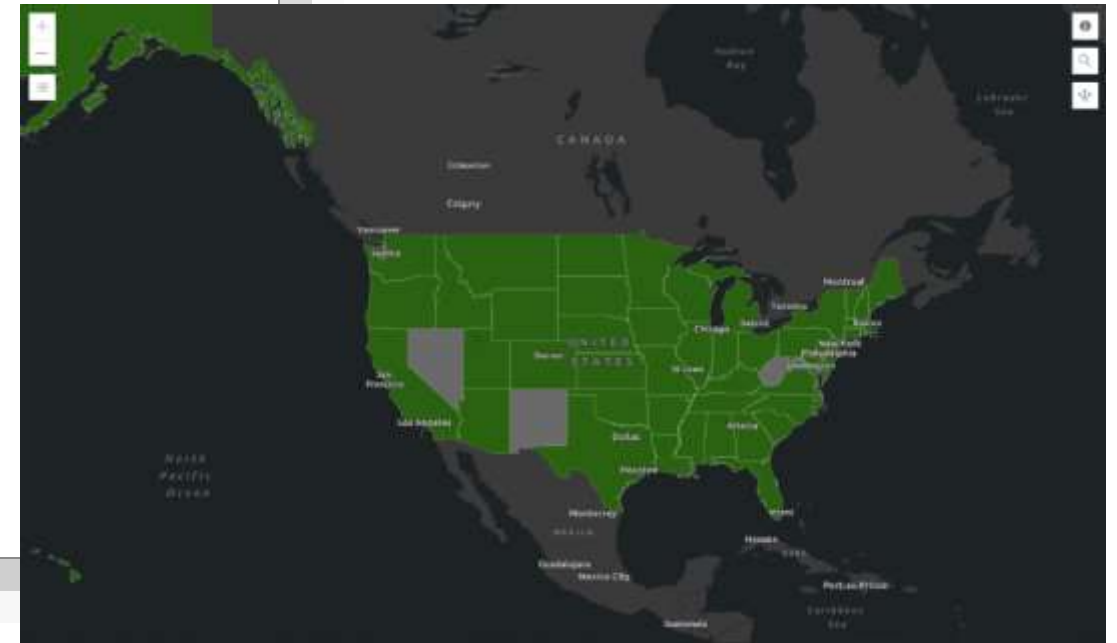


NAPSG Foundation COVID-19 Resources



The screenshot shows the NAPSG Foundation website with a blue header. The header includes the NAPSG Foundation logo, navigation links (HOME, ABOUT US, WORK WITH US, RESOURCES, EVENTS, NEWS), and social media icons for Facebook, Twitter, and YouTube. The main content area features a section titled "COVID-19 GEOSPATIAL & SITUATIONAL AWARENESS RESOURCES" dated March 15, 2020. Below this, there is a search bar and a dropdown menu for "All Categories". The text states: "NAPSG Foundation is compiling publicly accessible COVID-19 geospatial and situational awareness resources from a variety of sources for the purpose of providing a clearinghouse of resources that may be helpful to the public safety and GIS/technology community in responding to COVID-19. This page will be updated as new resources become available." Below this, there are two sub-sections: "POWER OF PARTNERSHIPS IN DATA & TECHNOLOGY FOR COVID-19 RESPONSE" and "PANDEMIC GIS TASK FORCE LAUNCHED". The "PANDEMIC GIS TASK FORCE LAUNCHED" section mentions that NAPSG Foundation, the National States Geographic Information Council (NSGIC), and the Urban and Regional Information Systems Association (URISA) have joined forces to provide unified leadership in advancing the use of location-based data, technology, and information sharing for pandemic preparedness and response. The "NATIONAL INVENTORY OF HEALTH/MEDICAL CAPABILITY DATA FEEDS" section requests the geospatial community to participate in a nationwide effort to build an inventory of existing data feeds for health/medical capability reporting in support of COVID-19.

See examples of public information by state for COVID-19.



<https://www.napsgfoundation.org/resources/covid-19/>

Key Messages

Recap from December 2019 PrepTech Talk

December 2019 PrepTech Talk – GIS Tips & Tricks

SITUATIONAL AWARENESS FOR THE LIVING ROOM



WEBINAR RECORDING

SLIDE DECK

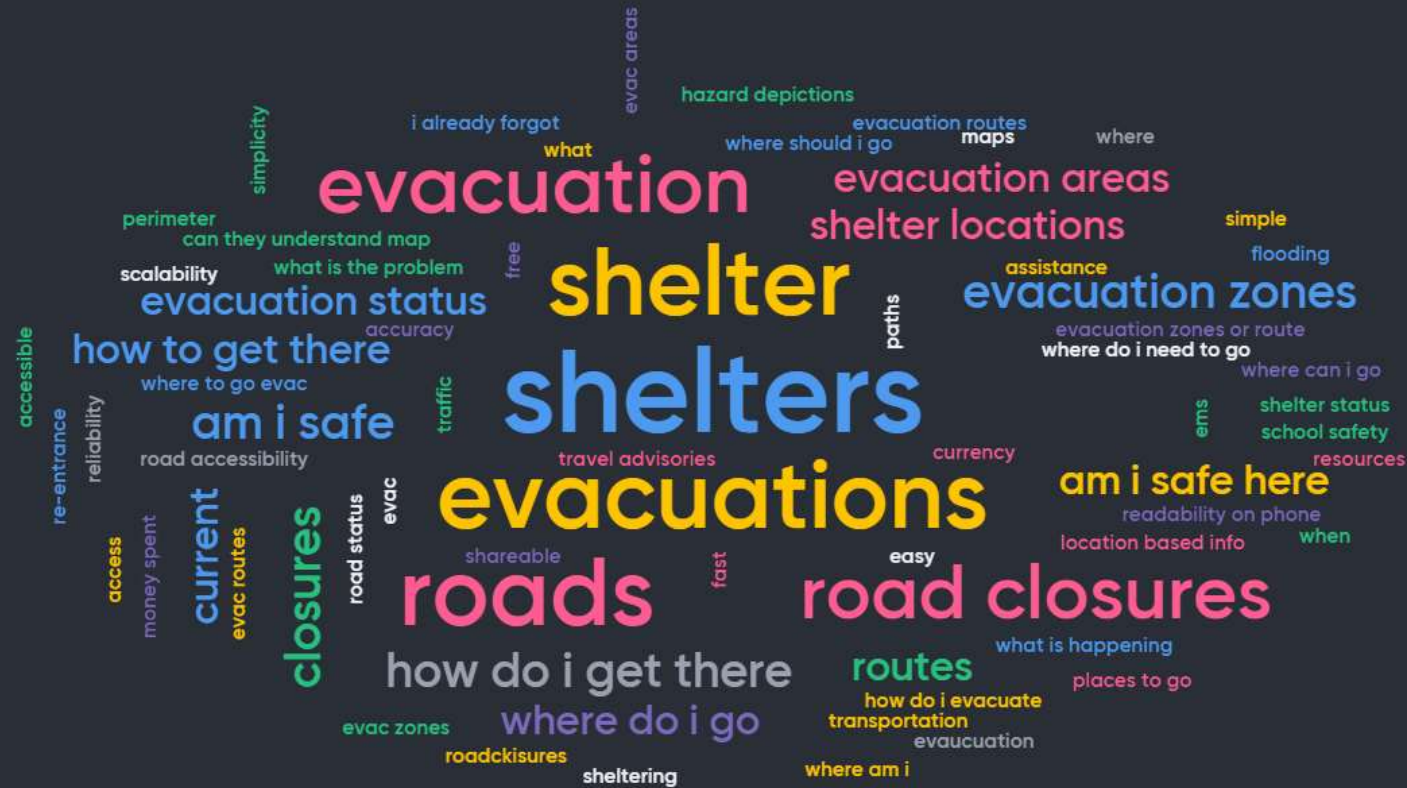
TECH INNOVATION WEBSITE (PROTOTYPE)

On December 10th, 2019, NAPSG Foundation held its fifth PrepTech Talk titled “Situational Awareness for the Living Room: Cracking the Code on Public Information Maps”. This virtual seminar provided participants the opportunity to hear from Sonoma County, CA, on the development of their Public Information Map Game Plan, and learn best practices identified in public information mapping as part of NAPSG’s Technology Innovation for Flood Preparedness & Operations initiative supported by the DHS Science and Technology Directorate. The [feedback from this event](#) indicates that the Community would like more guidance on public information maps, so look out for future PrepTech Talks and other opportunities on this topic!

<https://www.napsgfoundation.org/resources/situational-awareness-for-the-living-room/>

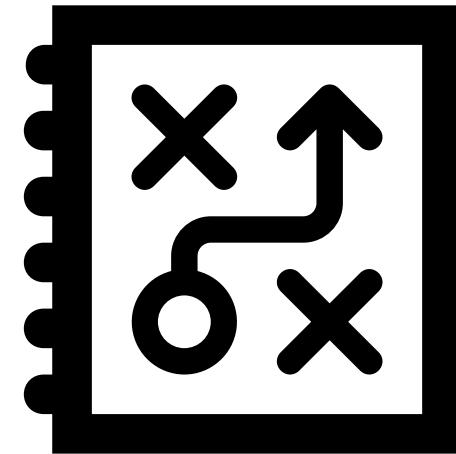
Core Information Needs

List Three Core Info Needs for the Public



What is a Geospatial Game Plan?

- Start with identifying your team.
 - The Public
 - First Responders
 - Emergency Managers
 - GIS Specialists
 - Local Weather Office, etc.
- Identify core information needs for your audience.
- Develop a game plan for addressing those information needs. Test it. Refine it.

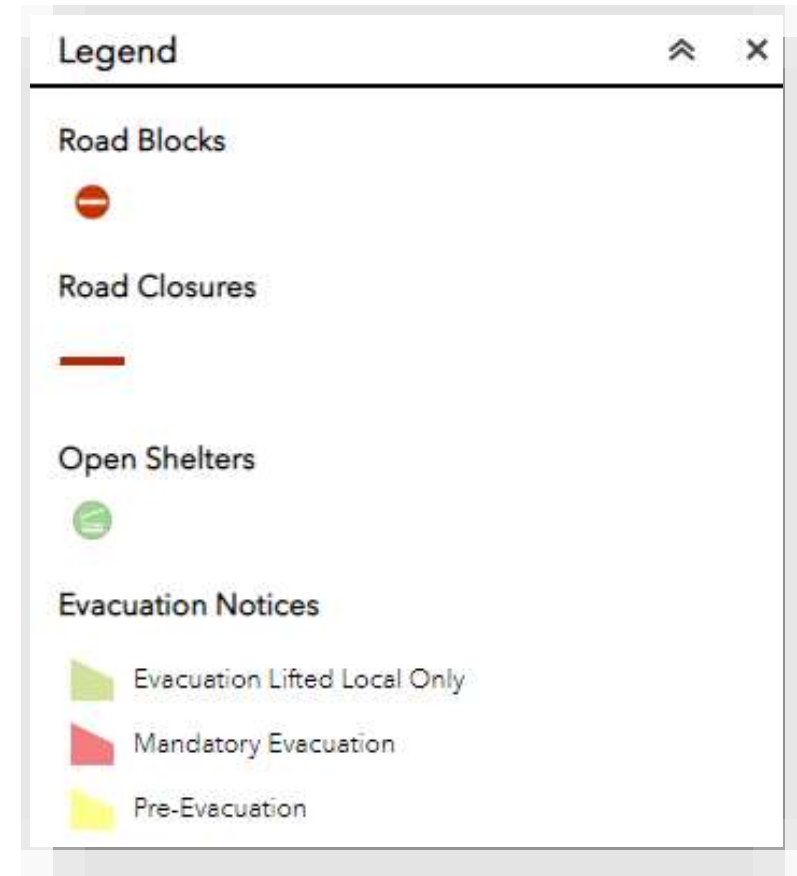


The geospatial game plan can be a chart, document, whiteboard, website or any other medium that makes sense to your organization.

Core Information Needs

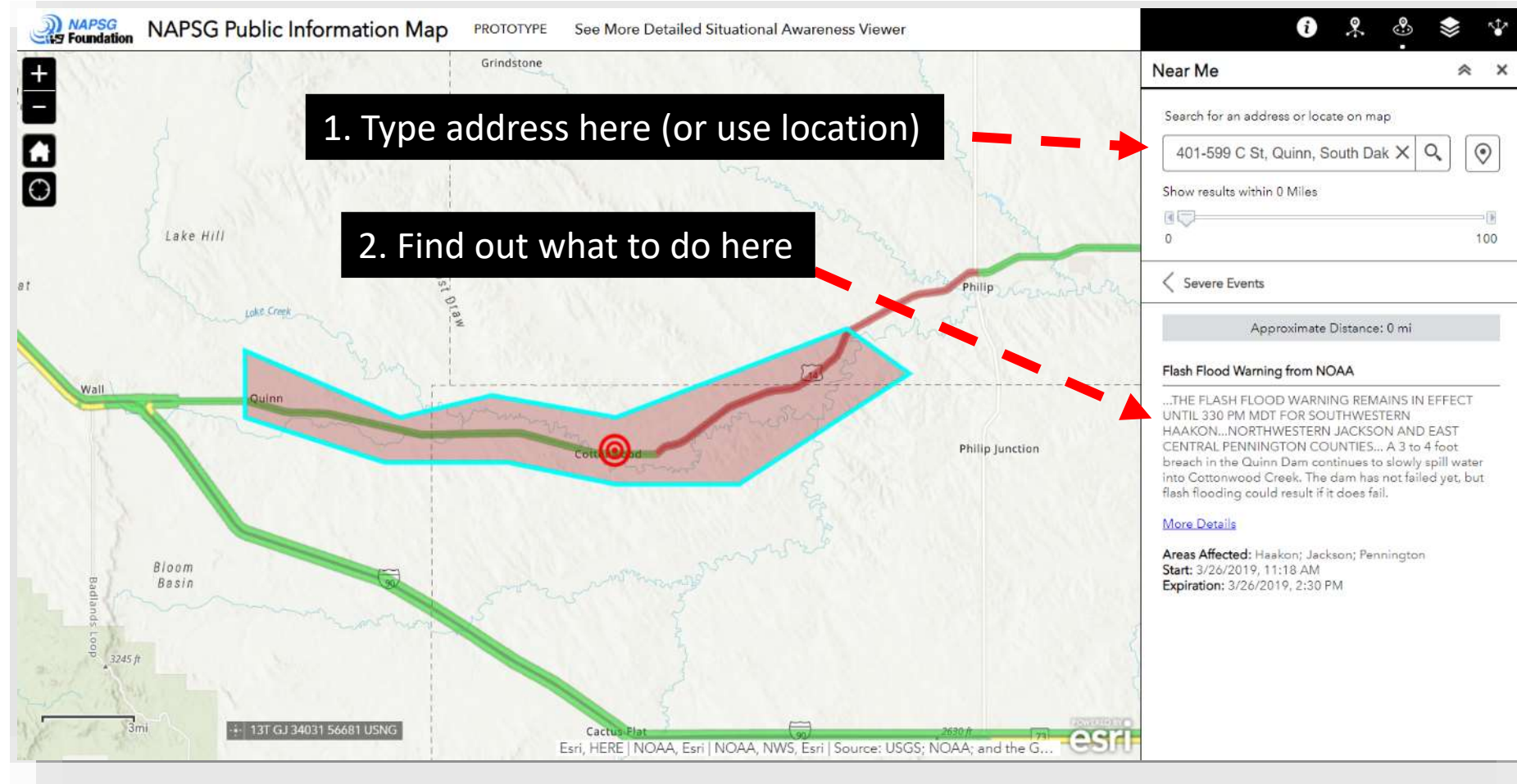
- Evacuation Status
- Open Shelters
- Road Status

and *if possible*, the hazard location



Why Use Interactive Maps?

- Easy to understand*
- Up to date
- Spatially explicit information



Hands-On Activity

Go to www.menti.com and use the code 77 86 24



Your Work



Choose An Alert for the Public

Message A

From Redlands Fire Department:

WILDFIRE EMERGENCY located in Calimesa, moving toward Redlands, CA. Wildfires can cause injury/death, burn down homes/other structures.

If you are receiving this message
EVACUATE NOW. Do not delay to
pack belongings.

Check _____ for updates
and map link: {links to website}

Message B

Fast moving brush fire, rapid rate of spread, near Calimesa, moving east, structures threatened. Evacs in the area of Redlands. If nearby, evac now. Follow local authorities for updates. From Redlands FD.

Choose A Message for the Public



Your Work

- GIS Specialist
- Public Information Officer
- Emergency Manager
- First Responder
- Other
- Unknown



Wireless Alerts for Wildfire



Tip #1: Include specific content in a set order

Tip #2: Avoid unclear statements, acronyms, abbreviations, and jargon

Tip #3: Use simple and familiar language

Tip #4: Accurately depict severity, urgency, and certainty

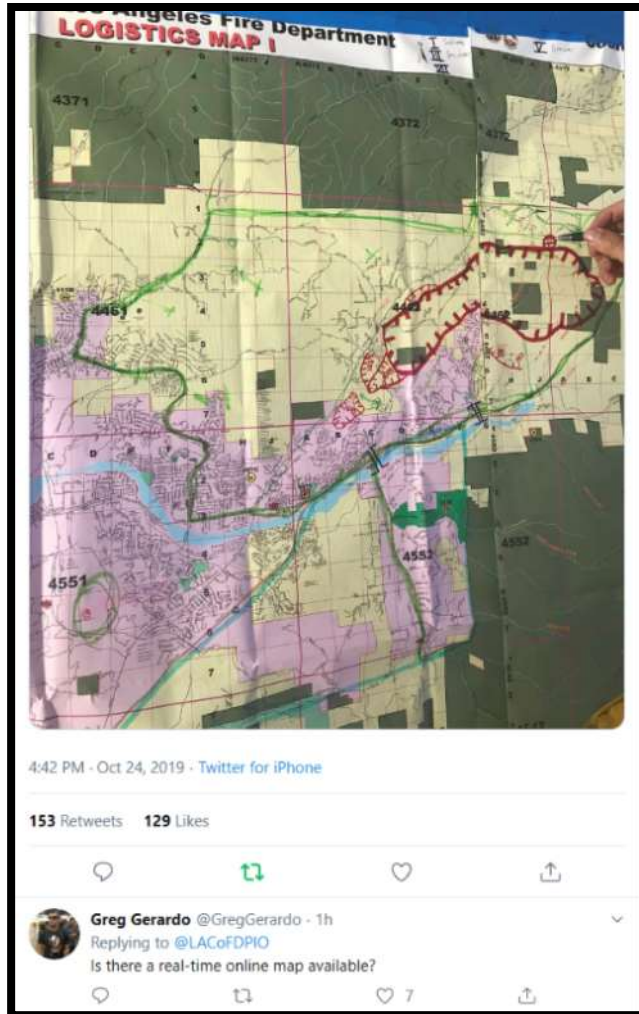
Tip #5: Use CAPITAL LETTERS to increase attention

Tip #6: Make the message personal

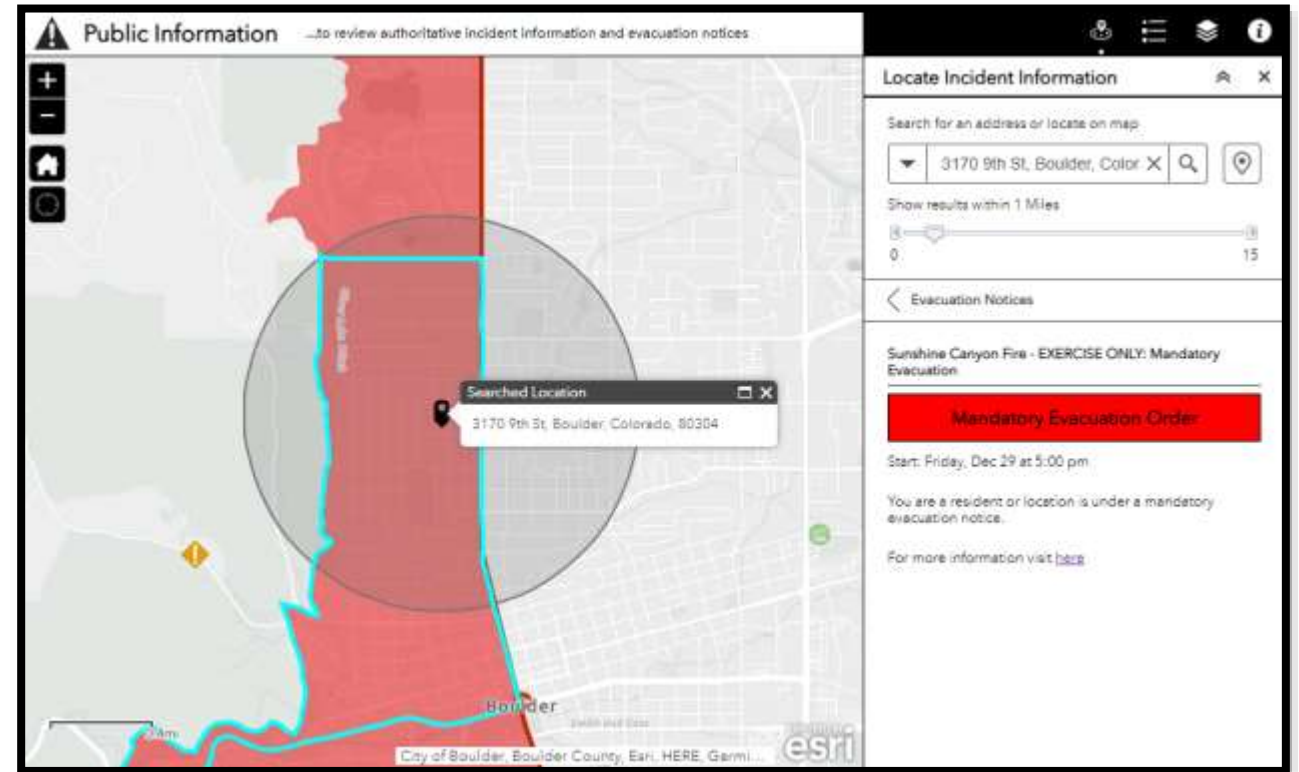
<https://fireadaptednetwork.org/planning-for-wildfire-tips-for-creating-360-character-wireless-emergency-alert-templates/>

Choose A Map for the Public

Map A Static



Map B Dynamic



Choose A Map for the Public

1
Map A



Your Work

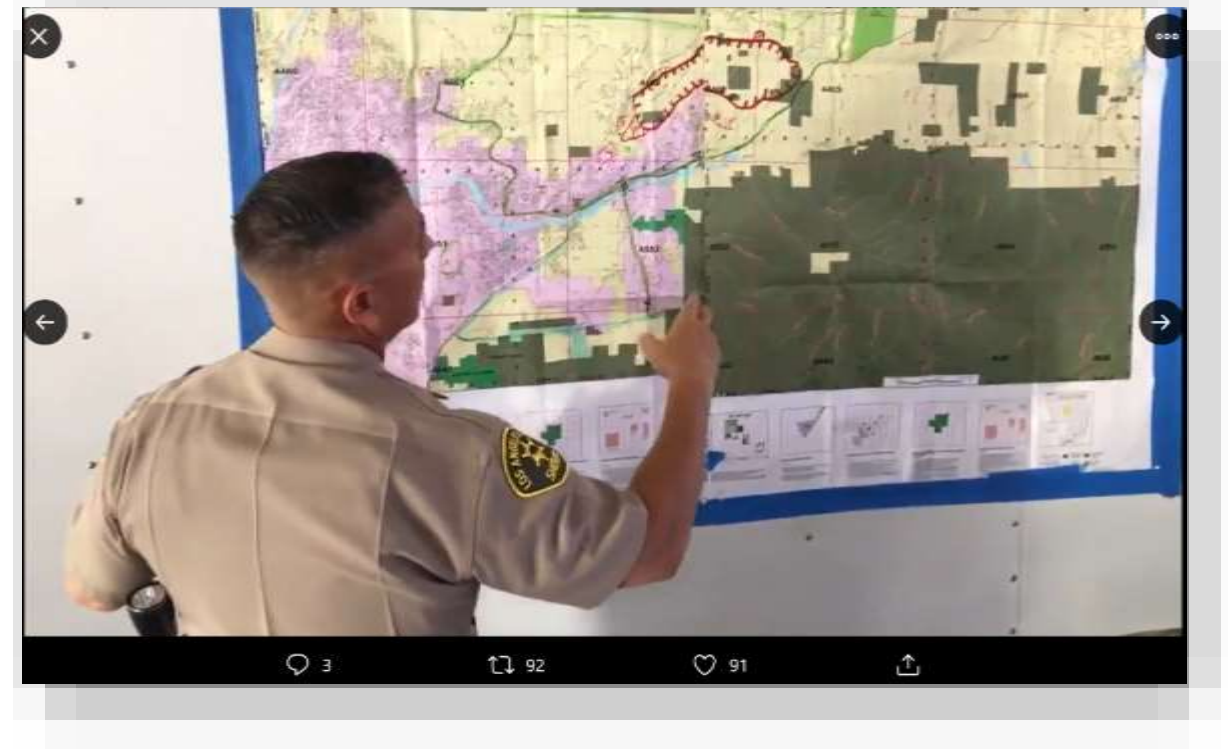
- GIS Specialist
- Public Information Officer
- Emergency Manager
- First Responder
- Other
- Unknown

77



Static Maps...difficult to update once shared

- Once you share a screenshot or static list of placenames, it cannot be unshared
- Tweets and Facebook posts often get reshared hours or even days later!
- Dynamic maps and websites are great resources that can be updates easily even after sharing.

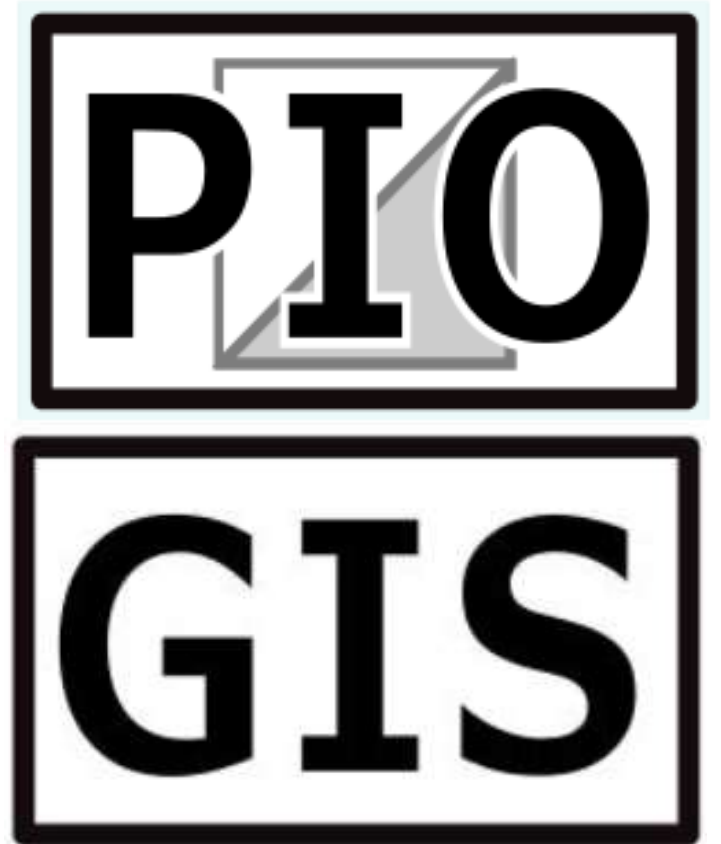


**Examples shown in slides are not meant to be critical of agency or personnel*

Vignettes from the EOC

Key Questions for Presenters

- What did you have in place with regards to “Public Info Game Plan” prior to COVID-19?
- What has worked in the past?
- What has not worked so well?
- What adaptations are in place now for COVID-19?



City of Nashua, NH EOC

Justin Kates, Director of Emergency Management at City of Nashua, NH

KatesJ@nashuanh.gov



Public Info Preparedness

- Crisis Communications training for all key staff
- Our plans focused around the Joint Information Center model
 - Never practiced until COVID-19
- Utilized many of the Esri Emergency Management Solutions templates to prepare public info maps
- **Weakness:** Emergency Management was seen as the default PIO during incidents
- **Strength:** Emergency Management had experience using GIS to enhance public info



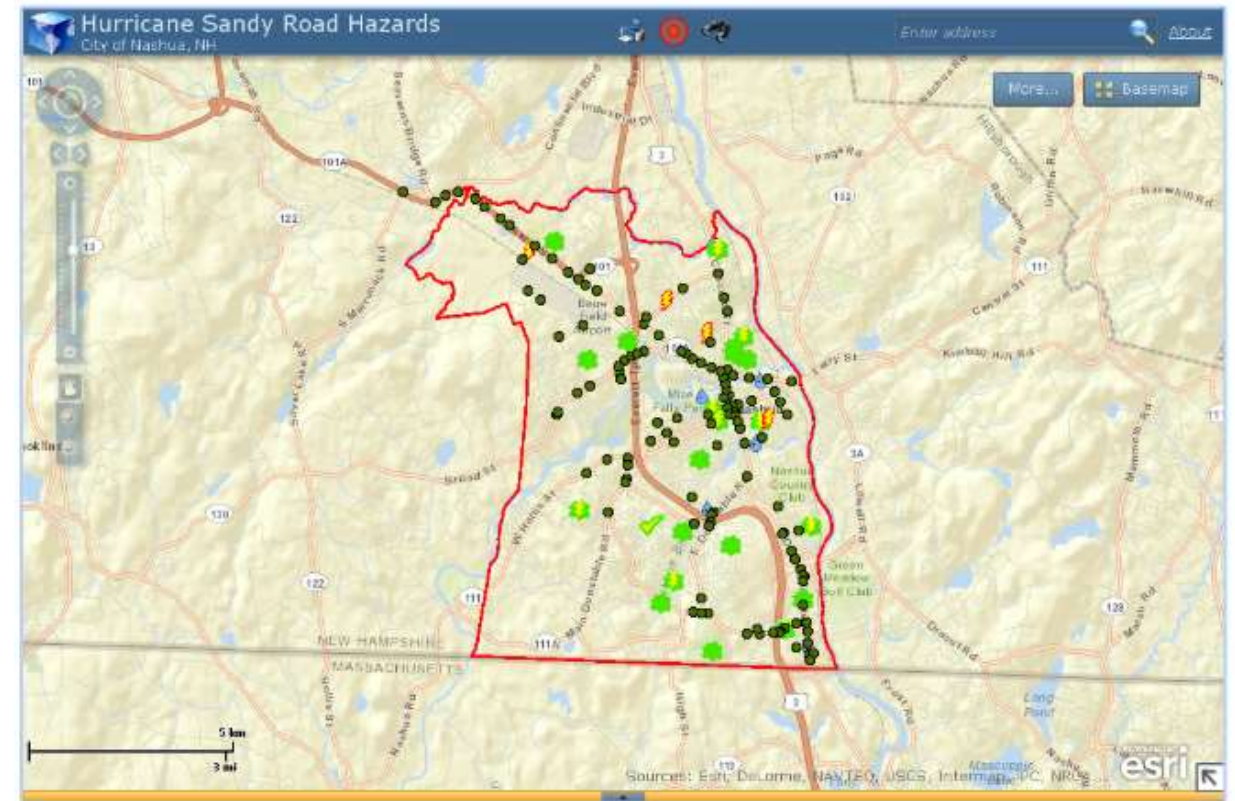
Primary Hazards & Application of GIS for Public Info

- **Most Frequent Hazards**

- Winter Storms
- Severe Storms
- Flooding
- Special Events

- **Public GIS Messaging**

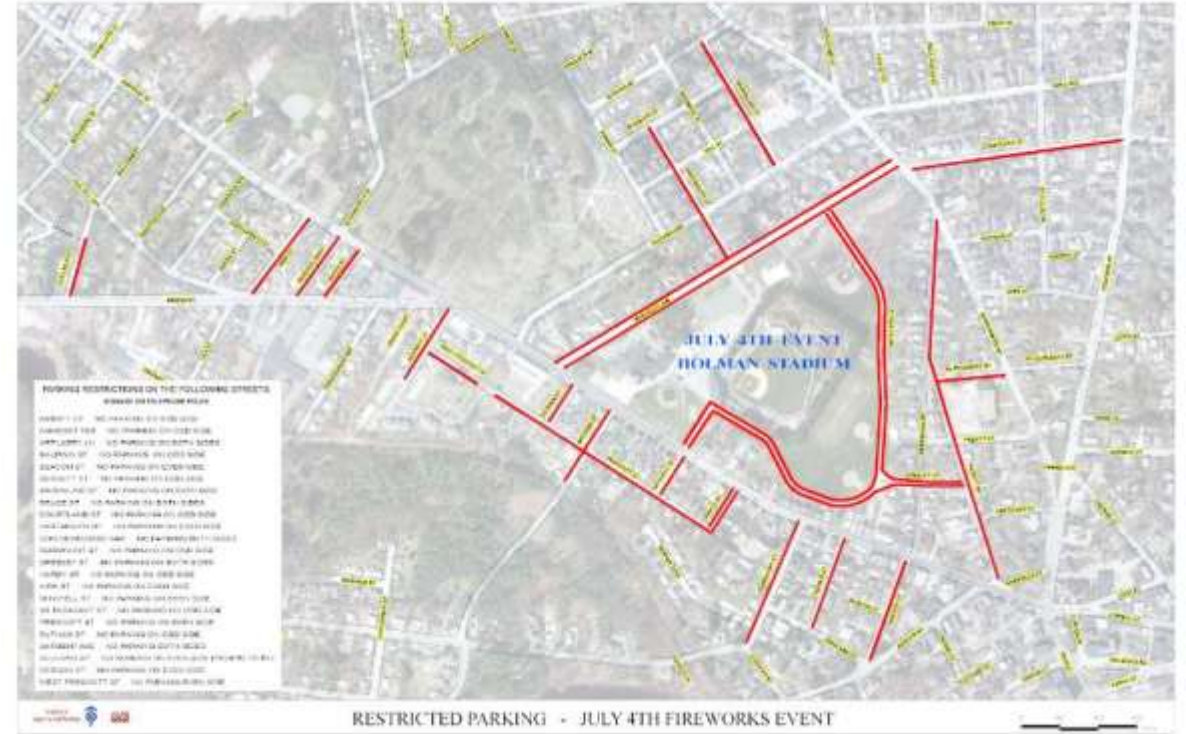
- Status of road conditions/closures
- Status of critical services
- Crowdsourced (social media) reports (downed trees, poor road conditions, flooding)
- Protective actions (shelter-in-place and evacuations)
- Business status
- Power outages (challenging)



Rule of Thumb: If the info you are trying to get to the public has a location attached to it, it probably should be on a map.

Challenges

- **Workflows** - build processes and systems that are used daily by public communicators
 - Example: Systems used for permitted road closures should be used for emergency closures
- **Public Info Integration with Work Orders** - If data is being collected to create work orders, think through integrations
 - Example: Tree down in work order system should trigger display on public info maps. When tree is cleared, should also clear on public info map.
- **Mapping from PIO perspective** - Sometimes GISers make overly-complicated maps. Have a professional communicator help with the design



COVID-19 Response

Primary Concerns

- Locations of services for public
 - Testing
 - Medical Care
 - Food distribution
- Status of businesses and services
- Enforcement of “Stay at Home” Guidelines

Lessons Learned (so far)

- Embed a GIS representative in the Virtual Joint Information Center
- Don't create multiple “landing pages” for COVID info (i.e. COVID website, Esri Hub, data dashboard, etc.)
- Crowdsourced data vs. static data

BUSINESS AND SERVICE SELF-REPORTING MAP

ESSENTIAL BUSINESSES AND ORGANIZATIONS:

- Mark Yourself OPEN
- Identify Hours or Altered Services

OTHER BUSINESSES & ORGS:

- Identify if you are Online Only
- or Let customers know you are closed

Let Customers Know with this Interactive Map!

Update the map when your status changes.

Business & Service Status Reporter
www.nashuanh.gov/BSSR

FOR THE PUBLIC:
www.nashuanh.gov/WhatsOpen

Businesses are responsible for complying with Public Health guidelines & State Orders. This Site reserves the right to edit listings.

Legend

Business and Service Type

- Restaurant, Café, or Bar
- Bank / Finance
- Cyidcare
- Community & Social Services
- Faith-Based Organization
- Food & Beverage Store
- Gas Station
- Hardware Store
- Healthcare
- Laundromat
- Pharmacy
- Veterinarian
- Other

Business and Service Status

- Open with regular hours and services
- Modified hours and services
- Online services only
- Closed
- Unknown

POWERED BY:

- Nashua
- Greater Nashua Chamber of Commerce
- NRPC

GREAT AMERICAN DOWNTOWN
Nashua, NH

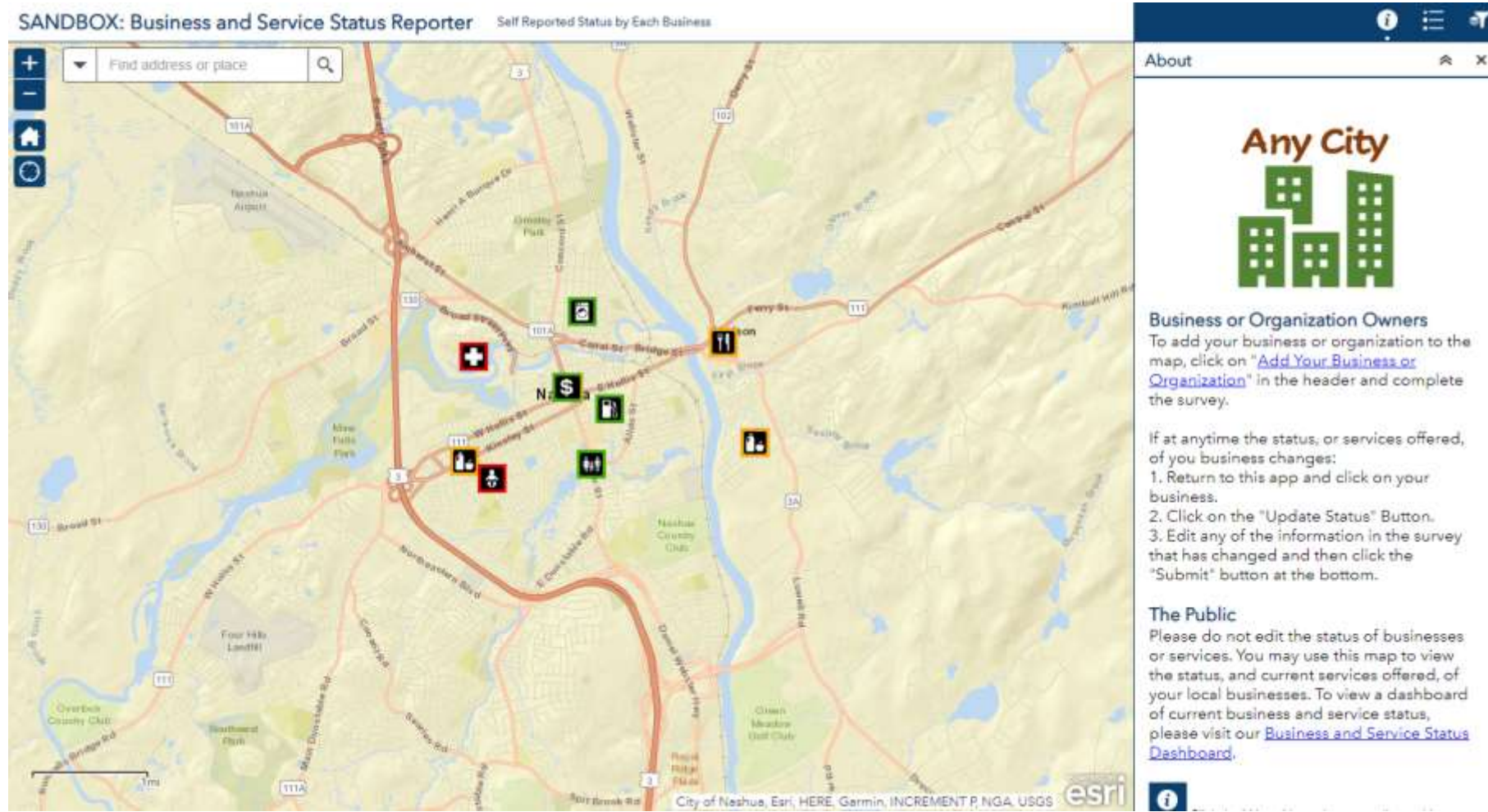
Questions



— OFFICE OF —
**EMERGENCY
MANAGEMENT**

- Justin T. Kates, CEM
- Director of Emergency Management
- City of Nashua, NH
- katesj@nashuanh.gov
- 603.722.0288 | [@kb3juv](https://twitter.com/kb3juv)

Resource: Business Status Reporter

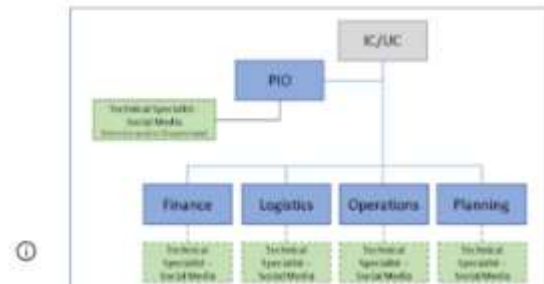


<https://www.napsgfoundation.org/resources/business-status-reporter/>

Resource: Crowdsourcing Toolkit



Integrating crowdsourcing products into an existing organizational structure



The Incident Command System (ICS) and Emergency Operations Centers (EOC) have flexible and scalable structures that enable the integration of crowdsourcing. Just like traditional and official sources of information, crowdsourcing data needs to part of the information management system in your ICS/EOC structure. DHS's *From Concept to Reality: Operationalizing Social Media for Preparedness, Response, and Recovery* outlines several structures that can be used interchangeably for crowdsourcing and social media. Use your business case to determine where best to put crowdsourcing in your structure, aligning with existing duties of a section or position. The key to deciding the appropriate location for the integration of crowdsourcing in your organizational structure is dependant on how

<https://www.crowdsourceme.org/home>

Douglas County, CO EOC

Joel Hanson (GIS) and Lauren Childress (PIO)



Lauren Childress

Lead PIO
Douglas County Sheriff's Office
lchildress@dcsheriff.net



Joel Hanson

GIS Services Manager
Douglas County
jhanson@douglas.co.us

What was in place (pre-COVID)?

What procedures does the Douglas County Sheriff's Office PIO have in place?

- The Sheriff's Office PIO team consists of 1 full-time PIO and 4 on-call PIOs.
- All incidents occurring during normal business hours are handled by the PIO unless unavailable. On-call PIOs handle after-hours issues.
- It is the responsibility of the Sheriff's Office PIO to report on any public safety concern (public health concerns are not within the Sheriff's Office jurisdiction).
- Responsibilities: Press releases, press conferences, IMT/EOC, social media with regards to major incidents (usually a combined effort).

GIS and PIO working together

- Our Office of Emergency Management has our GIS & PIO ESF stations located adjacent to each other
 - Readily promotes communication back/forth between the personnel
- Our Comprehensive Common Operational Picture (C-COP)
 - A situational awareness viewer(s) used in our EOC
 - Used by all ESFs including PIO

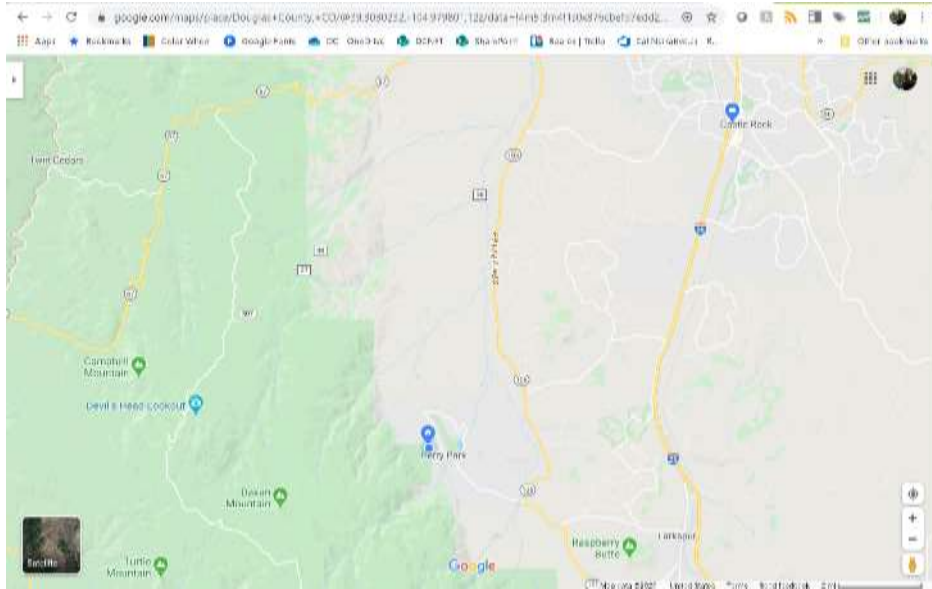


C-COP Application

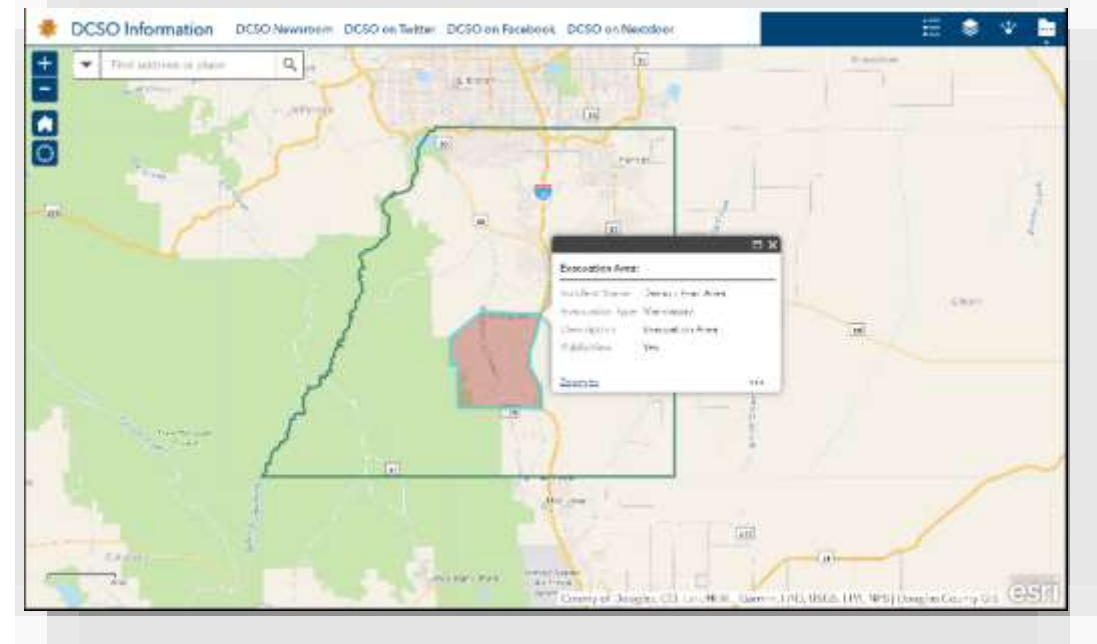
GIS and PIO working together

- A dedicated **DCSO Information Application** that can be used by our PIO
 - More informative, Variety of Information
 - Timely – stays synced with data in EOC

Old Way: Google Map Insets



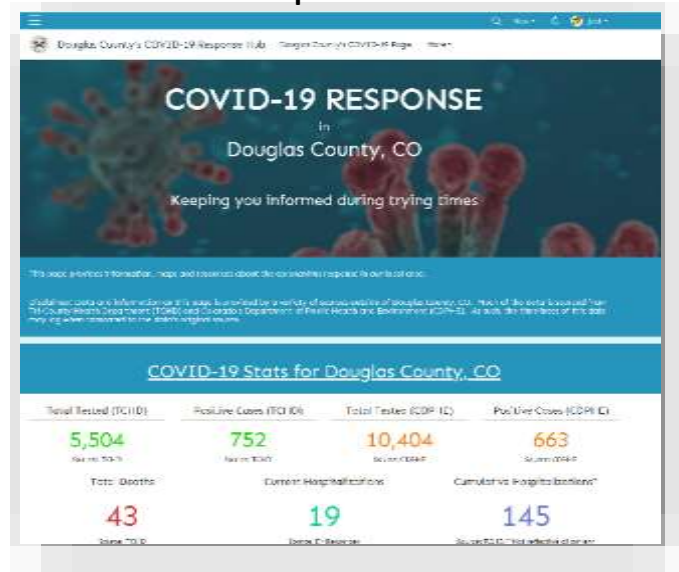
New Way: ArcGIS Online Hosted Application



What has changed as a result from COVID-19?

- **Honestly, not much regarding PIO & GIS...**
 - Our PIO and GIS continue to work together
 - COVID was not a Public Safety issue so it quickly bypassed our PIO
 - Our Health Department took the lead – our Public Affairs and GIS took on a supportive role – passing communication as necessary.
 - GIS Stood up Dashboards & Hubs to consolidate & disseminate authoritative information

Public: COVID-19 Response Hub



Internal: COVID-19 Operational Hub



Resource: Esri User Story



USER STORY

Douglas County Deploys Dual COVID-19 Hubs to Inform and Safeguard the Local Community

Douglas County, Colorado, is using a new geographic information system (GIS) hub solution to help keep residents well-informed and safe against the coronavirus disease 2019 (COVID-19) outbreak.

The county's GIS services team is leading an effort to increase awareness of the emerging threat statewide, including to the 360,000 residents in their community. They are doing so with help from a new disaster response solution from Esri, which has served as a template to configure and deploy a variety of GIS solutions. This includes the creation of the COVID-19 Response Hub for the public and the internal COVID-19 Operational Hub for ongoing county operations.

"We're here to make a difference in the lives of the residents within our jurisdiction, and that's shared across our entire region of partner agencies," said Joel Hanson, Douglas County's GIS services manager. "When you work in government, as we do, you have a commitment to service. We are committed to our residents, providing better information for the greater good to help keep them safe and informed."

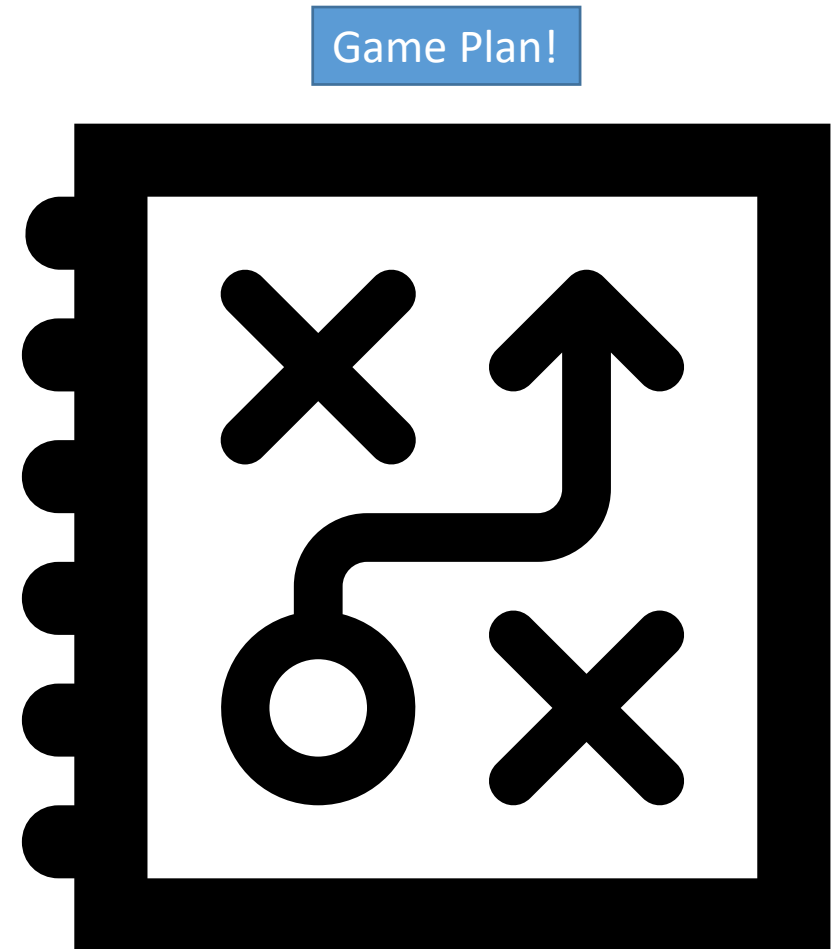
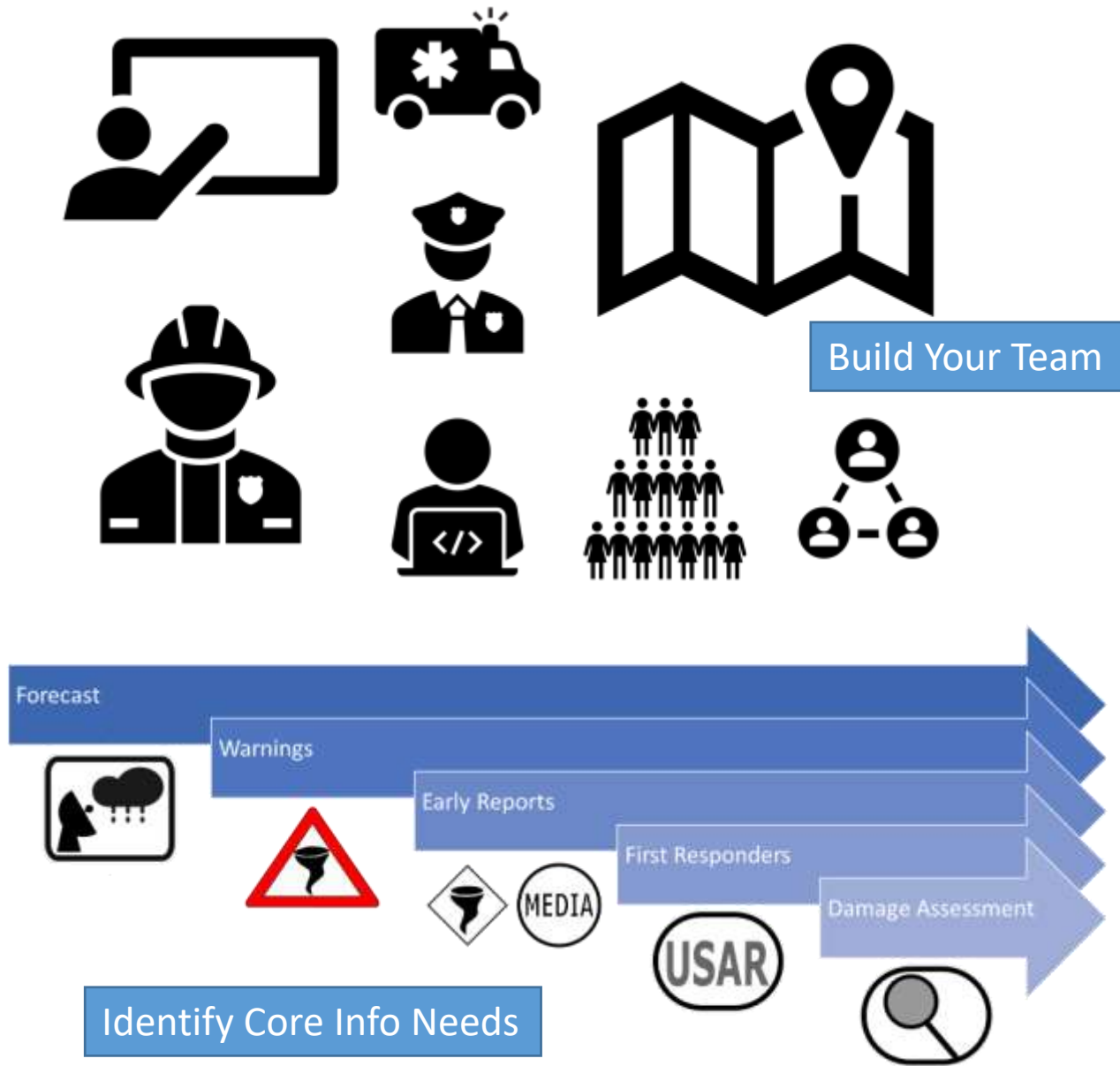
<https://www.esri.com/en-us/landing-page/industry/government/2020/douglas-county-case-study>

Resource: IACP PIO Website






PIO Best Practices and Tools

NAPSG Foundation

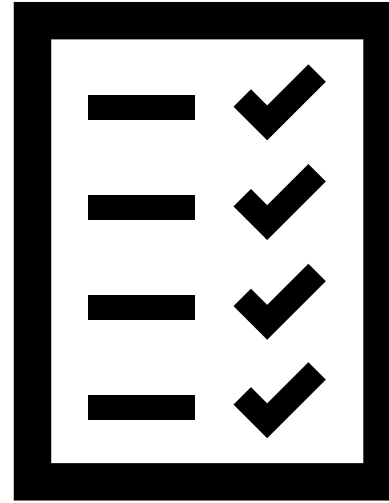


Operational Game Plan

Lifeline	Core Information Need	Public	First Responders	Emergency Managers	Operational Game Plan
	Evacuation Status	Am I safe here?	What areas need to be evacuated?	What areas have been evacuated? Where do people need assistance?	Sherriff's Office hand-draws evacuation zones and GIS Specialist updates the layer using pre-designated zones. Alerts are shared via WEA and social media with link to Public Information Map.
	Shelter Status	Where can I go to be safe?	Where do I take evacuees?	Where are the evacuees? What are their needs?	Mass Care lead changes the status of shelters and edits attribute information (e.g., number of people, capacity, etc.) as needed.
	Road Status	How can I get there?	How do I get to those in need?	What is the status of transportation systems?	Public Works provides internal feed of road status, GIS Specialist updates the layer.

Technical Best Practices

1. Simplicity
2. Scalability
3. Security
4. Smartphone
5. Shareable



Covered in more detail on the PPT held on December 10th, 2019 – see [webinar and slides](#).

1. Simplicity – 3 Core Information Needs for the Public

1. Am I safe here?
2. Where can I go?
3. How can I get there?



During the response phase, we have found that agencies that focus on the core or essential information needs are the most successful in engaging the public.

2. Scalability

- Do not host data on internal servers!
- ArcGIS Online Cloud Hosted layers are scalable and you do not pay per view.

ArcGIS Online

Best Practices for High Demand/Viral Apps

Sharing and Collaboration
September 13, 2018

 Kelly Gerrow-Wilcox

updated from an article published March 2017

News Flash! ArcGIS Online users make great Apps that are used to inform and engage the public about important and interesting geospatial topics. Apps hosted on ArcGIS Online are easily shareable and can receive hundreds of thousands of views in a short amount of time. ArcGIS Online scales to meet the demand of your application, making it easy to create and share applications that may receive a high demand of requests (1000s of request per second) from your users.

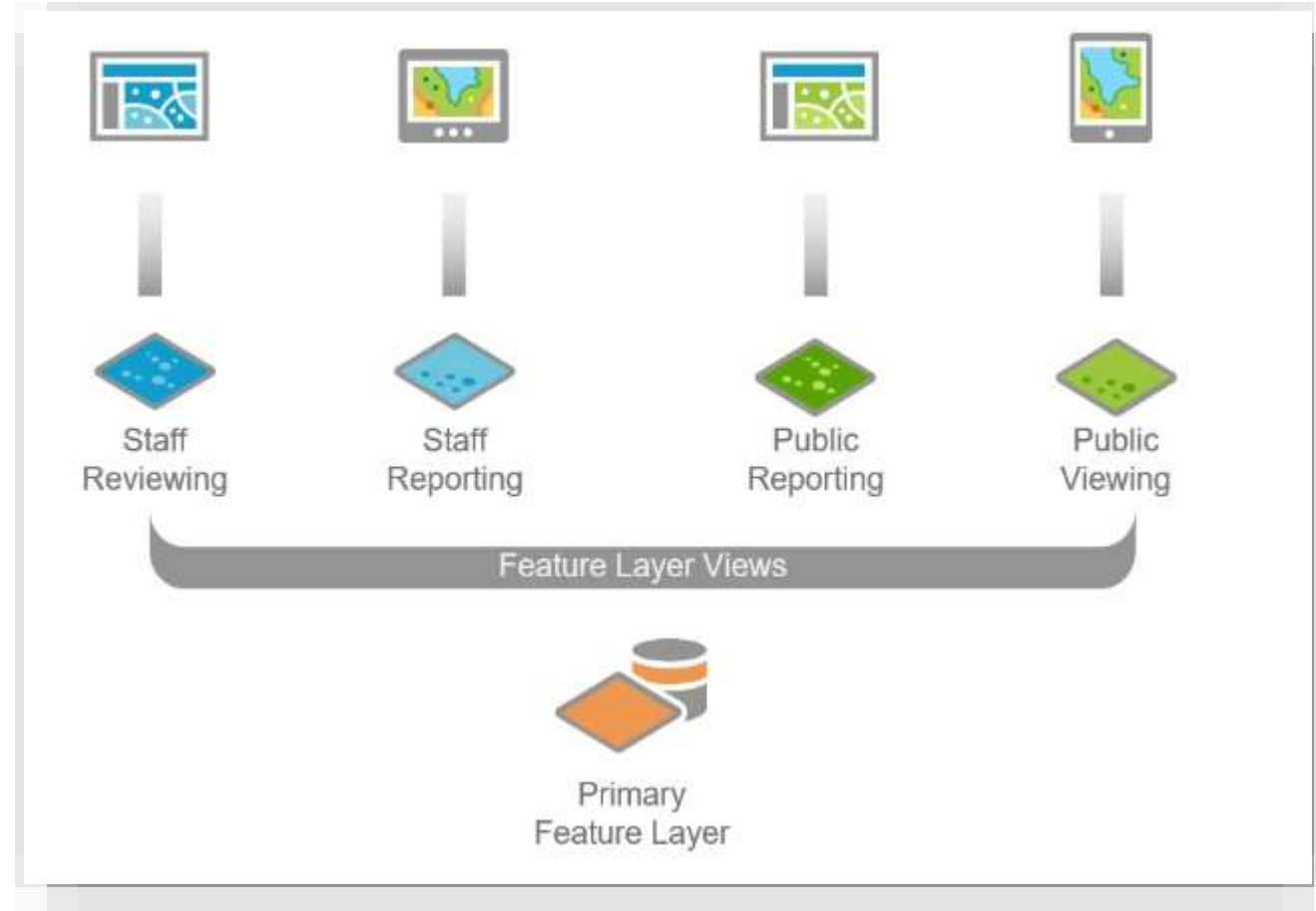
Consider a natural disaster, where apps are created to inform the public of evacuation zones and shelters. These apps may receive hundreds of thousands of views in a matter of days, receiving a high amount of web traffic. In order to ensure that these apps are performing at their best under high demand, consider these best practices for layer management, so ArcGIS Online can handle the rest.

[Documentation](#)

3. Security

Hosted Feature Layer Views

- Internal Editing
- Public Viewing of LIVE Data
- Secure filter of features and attributes



Blog: [Getting Started with Hosted Feature Layer Views](#)

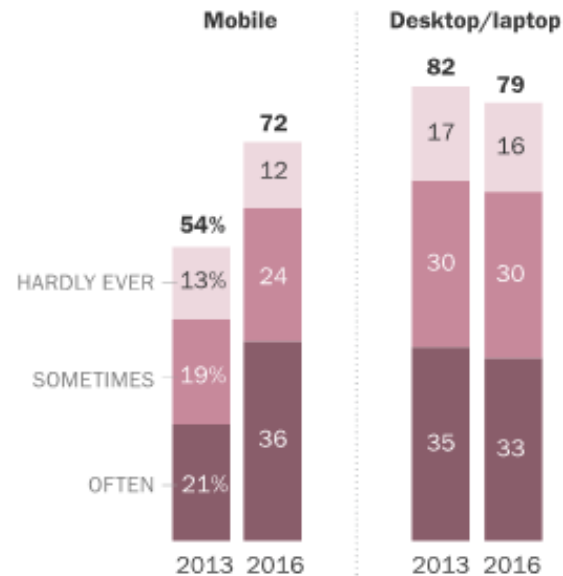
4. Smartphones - Mobile Responsive

+70% of public are reading the news on their mobile devices!

Your maps need to work on mobile in order to be effective.

Rapid growth since 2013 in portion using mobile to get news; desktop/laptop usage holds steady

% of U.S. adults who ever get news on ...



Among people who get news on both, more prefer mobile

66% get news from both mobile and desktop/laptop

Of those ...



56%
Prefer mobile



42%
Prefer desktop/laptop

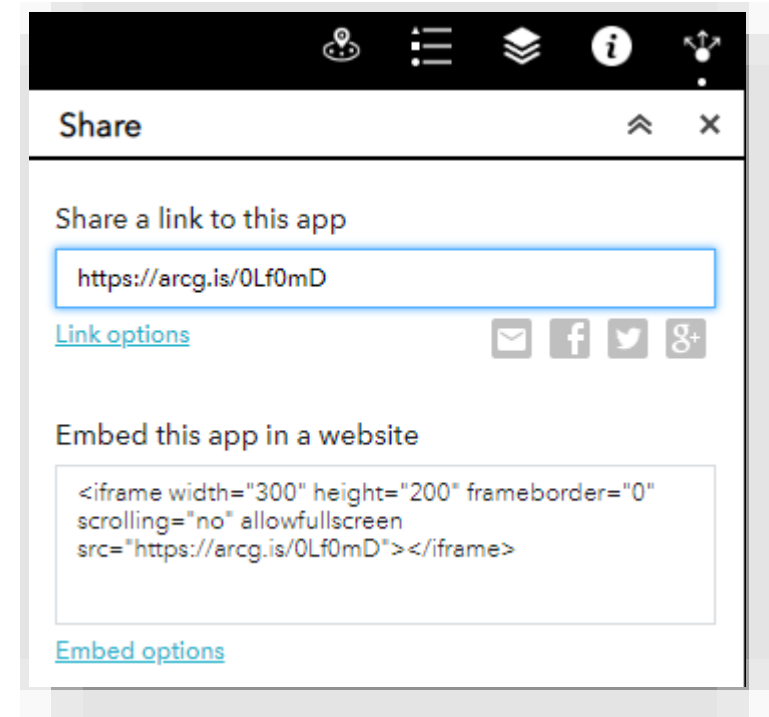
Source: Survey conducted Jan. 12-Feb. 8, 2016:
"The Modern News Consumer"

PEW RESEARCH CENTER


www.responsinator.com

5. Shareable

- Share them via alert messages
- Embed in emergency management websites
- Share via Social Media
- Record video briefings
- Use at Public Meetings
- Double check all the layers, web maps, and apps are shared publicly!




5. Shareable




County of Sonoma @CountyofSonoma · Oct 26

The Mandatory Evacuation Zones and the Evacuation Warning Zones have recently been updated. We encourage all residents be prepared to leave should conditions change or should they feel unsafe. To view a map of the affected areas visit: [sonomacounty.maps.arcgis.com/apps/webappviewer...](https://sonomacounty.maps.arcgis.com/apps/webappviewer/index.html?id=70000000000000000000000000000000)




6 77



County of Sonoma @CountyofSonoma

Sheriff Essick explains what the Sheriff's Office, mutual aid peace officers and National Guard partners are doing to protect areas currently under evacuation. [#KincadeFire](#)



1:31 4.8K views

Sheriff Office Actions for Evacuation Security

Sheriff Essick explains what the Sheriff's Office, mutual aid peace officers and National Guard partners are doing to protect areas currently under evacuation.



WATCH VIDEOS

Los Angeles Orange County

innovAge Program of All-inclusive Care for the Elderly

SHARE FREET EMAIL

CALIFORNIA FIRE MAP: Live updates for the Hillside Fire in San Bernardino



00:22 01:42

See an interactive map related to the Hillside Fire burnouts in San Bernardino, as well as other blazes in Southern California.

http://youtu.be/u5TGUYNY8_s?hd=1

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- Start with identifying your team.
 - The Public
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 - Local Weather Office, etc.
- Identify core information needs for your audience.
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Sandbox for Testing Public Info Maps

Our Tech Innovation Sandbox

The intended audience for this resource are Public Safety practitioners and technologists who would like to test out geospatial tools before investing time in deploying them. Please use our community's sandbox for exploring and testing workflows related to Public Safety but not for a real-world response.

Click on an application in the Gallery below to "try it live". Once you have tested an app below, see our [training catalog](#) for tutorials on how to deploy it.



Operations Response - NAPSG Sandbox

Operations Response is a configuration of Web AppBuilder for ArcGIS that can be used by...

[Explore](#)



Public Information - NPSG Sandbox

Public Information is a configuration of Web AppBuilder that can be used by emergency management...

[Explore](#)



Shelter Editor - NPSG Sandbox

This is a web app used to maintain the inventory and status of shelters.

[Explore](#)



Shelter Dashboard - NPSG Sandbox

This is a prototype Dashboard for monitoring Shelter Status in Preparedness and Response.

[Explore](#)

<https://techinnovation-napsg.hub.arcgis.com/>



Take Action! What's Next?

Build Your Geospatial Game Plan

<https://bit.ly/2TuArcY>



<https://www.napsgfoundation.org/events/>

"Open Community Forum: COVID-19 Response Hot Wash" -
currently slated for June 23 and 25, 2:00-3:30pm ET on both days.

EM Geo Forum: Tornado Readiness and Resources

- **Tomorrow**, Thursday, May 28th, 2020
from 2:00 PM to 3:00 PM ET
- Virtual seminar to learn about building a geospatial game plan for tornado readiness, response, and recovery.
- [View more event details & Register](#)



Additional Resources

Public Information Officer (PIO) Training

- [IS-29 – Public Information Officer Awareness](#)
- [G290 – Basic Public Information Officer](#)
- [G291/E-L0387 – Joint Information System/Joint Information Center Planning for Tribal, State and Local PIOs](#)

More information <https://training.fema.gov/programs/pio/>

Additional General PIO Resources (Justin Kate)

National Response Team Joint Information Center Model:

https://www.nrt.org/sites/2/files/NRT_JIC_Model_automated_062013%20v2.pdf

USCG PIO Job Aid: https://homeport.uscg.mil/Lists/Content/Attachments/2916/IC_Job_Aid-Apr-15.pdf

77 Questions Most Frequently Asked by Journalists in a crisis:

<https://static1.squarespace.com/static/54eba205e4b032bc08383d3f/t/562efe3fe4b022e56e721fd3/1445920319578/CC-77-questions-most-frequently+asked-by-media.pdf>

Additional COVID19 PIO Resources (Justin Kate)

CDC Crisis & Emergency Risk Communication (CERC): <https://emergency.cdc.gov/cerc/>

CERC Manual: <https://emergency.cdc.gov/cerc/manual/index.asp>

Many templates: <https://emergency.cdc.gov/cerc/resources/templates-tools.asp>

This is a great resource from CERC: https://emergency.cdc.gov/cerc/resources/pdf/cerc_wallet-card_english.pdf

Effective Media Communication during Public Health Emergencies:
https://www.who.int/csr/resources/publications/WHO_CDS_2005_31/en/

Bloomberg <https://www.bloomberg.org/program/public-health/covid-19-communications-module/>

Core Information Needs – ArcGIS Online Group

The screenshot shows the ArcGIS Online interface for the 'Resource: All-Hazards Core Information Needs Group'. The top navigation bar includes 'Overview', 'Content', 'Members', and 'Settings'. Below the navigation bar, there is a search bar and a list of filters. The left sidebar shows the 'Filters' section with 'Group Categories' and 'Item Type'. The main content area displays a list of items, with the first three items visible: 'USA Weather Watches and Warnings', 'Current Weather and Wind Station Data', and 'USA Short-Term Weather Warnings'. Each item includes a thumbnail map, a title, a description, and metadata such as creation and update dates and view counts.

Resource: All-Hazards Core Information Needs Group

Overview Content Members Settings

Add Item to Group Search group content List Date Modified Filter

Filters

1 - 20 of 64 Filters Category: Incident Data and Live Feeds X Clear filters

Group Categories Clear

- Uncategorized (3)
- Incident Phase (132)
- Base Data (120)
- Incident Data and Live Feeds (64)
 - Current (36)
 - Forecast (23)
 - Template for Deployment (5)
- Community Lifelines (99)
- Hazards (5)

Item Type

- Maps
- Layers
- Scenes
- Apps
- Tools
- Files
- Notebooks

Location Date Modified

USA Weather Watches and Warnings

Feature Layer by Esri

A live data feed from the National Weather Service containing official weather warnings, watches, and advisory statements for the United States.

Created: Jun 11, 2019 Updated: May 26, 2020 View Count: 7,206,223

Authoritative Living Atlas

Current Weather and Wind Station Data

Feature Layer by Esri

The Current Weather and Wind Station Data layer is created from hourly METAR station data provided from NOAA and contains approximately 11 weather variables for each location.

Created: Jun 11, 2019 Updated: May 26, 2020 View Count: 6,052,666

Authoritative Living Atlas

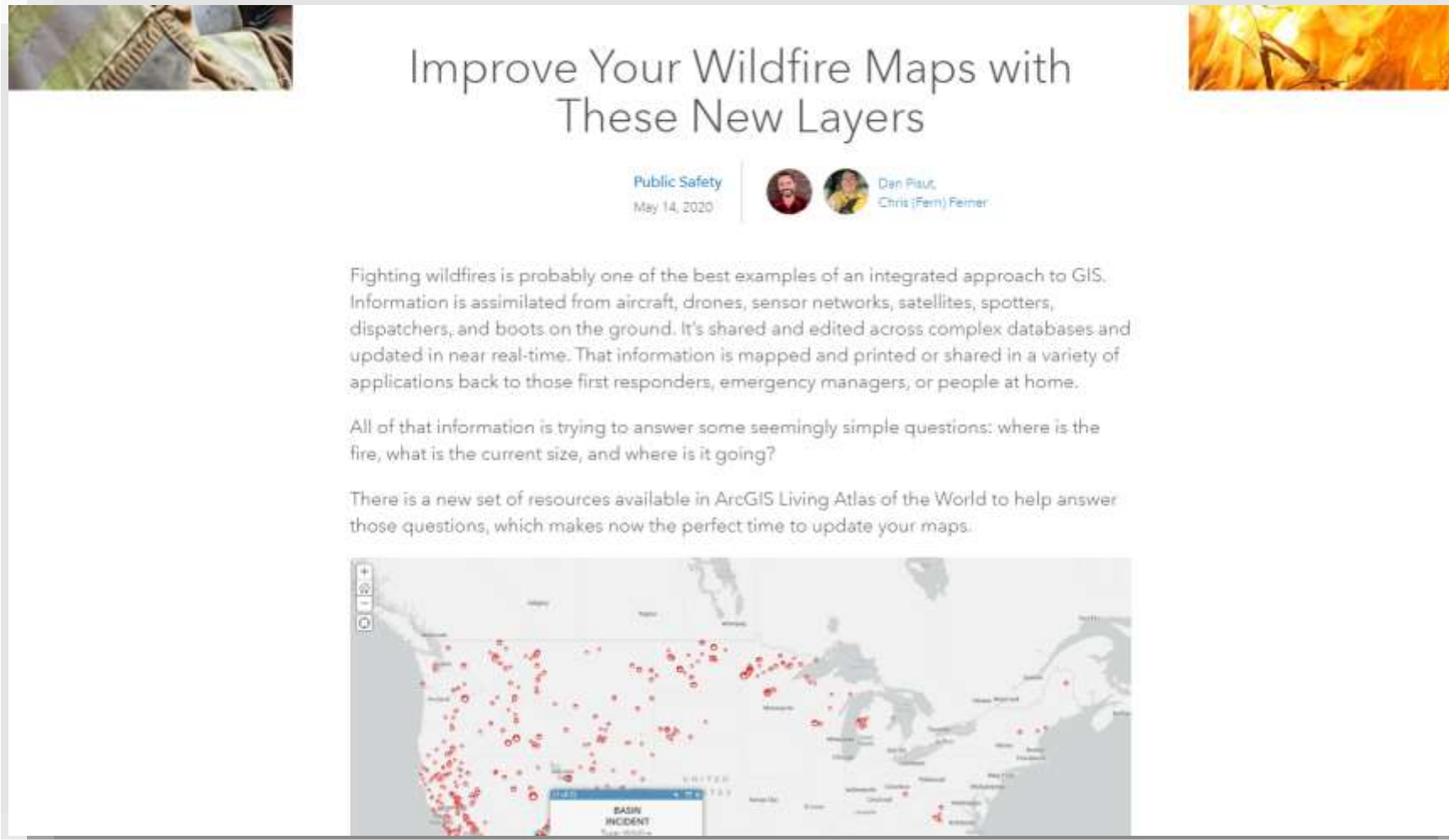
USA Short-Term Weather Warnings

Feature Layer by Esri

This layer presents continuously updated weather warnings for the United States based on data from NOAA's National Weather Service.

<https://arcg.is/iS8am>

New Wildfire Feeds (IRWIN / NIFC)



Improve Your Wildfire Maps with These New Layers


Public Safety
May 14, 2020

Den Plaut,
Chris (Fern) Ferner

Fighting wildfires is probably one of the best examples of an integrated approach to GIS. Information is assimilated from aircraft, drones, sensor networks, satellites, spotters, dispatchers, and boots on the ground. It's shared and edited across complex databases and updated in near real-time. That information is mapped and printed or shared in a variety of applications back to those first responders, emergency managers, or people at home.

All of that information is trying to answer some seemingly simple questions: where is the fire, what is the current size, and where is it going?

There is a new set of resources available in ArcGIS Living Atlas of the World to help answer those questions, which makes now the perfect time to update your maps.



<https://www.esri.com/arcgis-blog/products/arcgis-living-atlas/public-safety/improve-your-wildfire-maps/>

New Wildfire Feeds (Crowdsourced)



Welcome

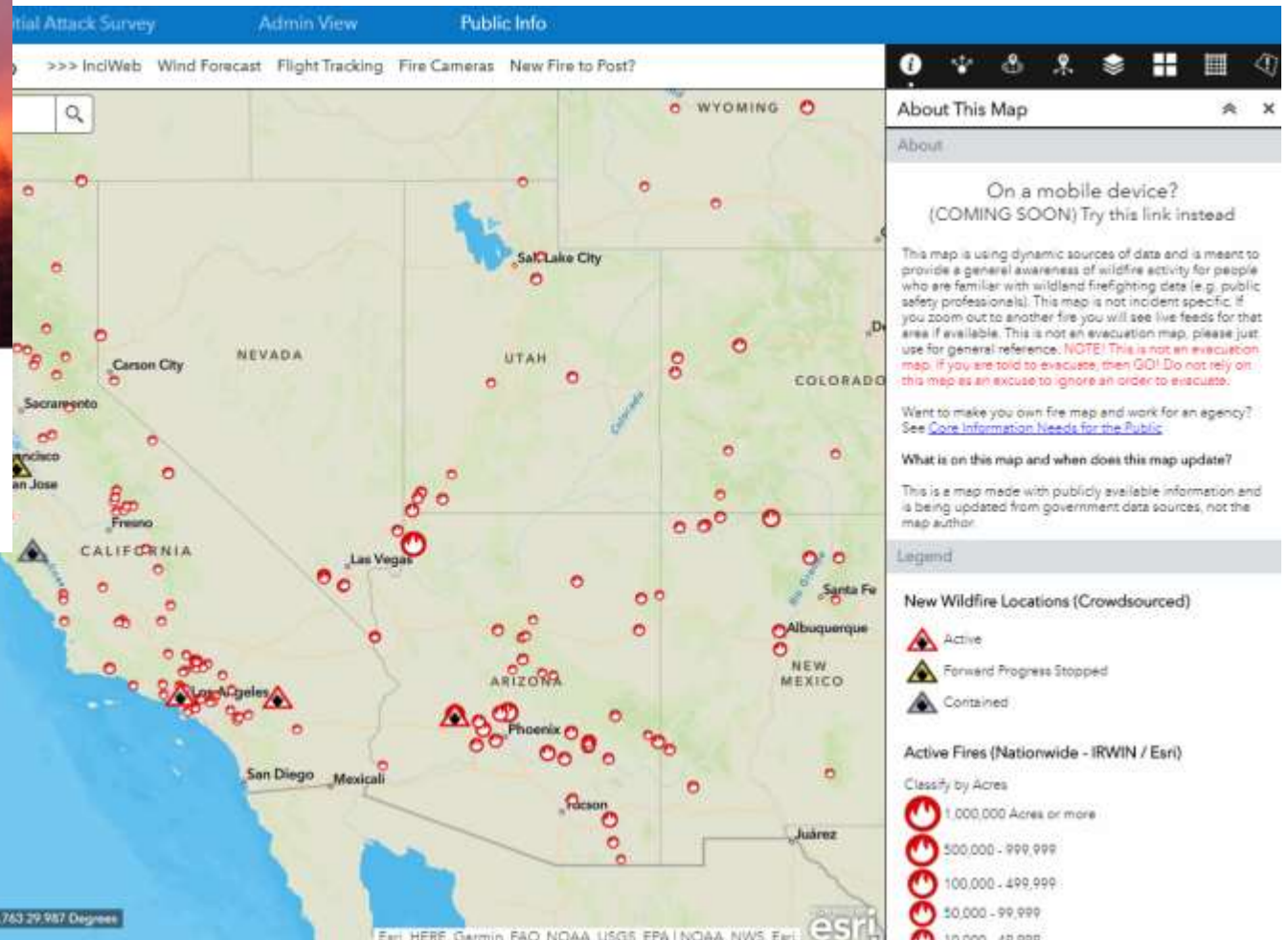
This website is a landing page for those interested in the Wildfire Initial Attack Project (aka "Fire Eyes"). This is a partnership between the NAPSG Foundation, GISCORPS, and CEDR Digital.

Our goal is quickly map the location of fire reports and link to authoritative information in order to increase situational awareness for the public, first responders, and emergency management agencies.

Quick Links



Fill Out New Survey



<https://experience.arcgis.com/experience/d2933dba9fa64df1bddc016825b54e07>

Crowdsourced Photos

2020 Disasters Crowdsourced Photos

Powered by NAPSG Foundation, URISA's GISCorps, and CEDR Digital Corps



Upload Photos:



2020 Disasters Crowdsourced Photo Uploader

This form allows volunteers and the public to upload on-the-ground photos of areas affected by disasters.

Upload a photo

Browse by Damage Level:



Damage Level Browser - Disaster Crowdsourced Gallery

Browse 2020 crowdsourced disaster photos by damage level. This map is filtered to only show the current event. If we are not activated, it will not show any photos.

Explore photos

Currently monitoring severe weather while supporting COVID-19 efforts.

NAPSG COVID Resources

GISCorps COVID Hub

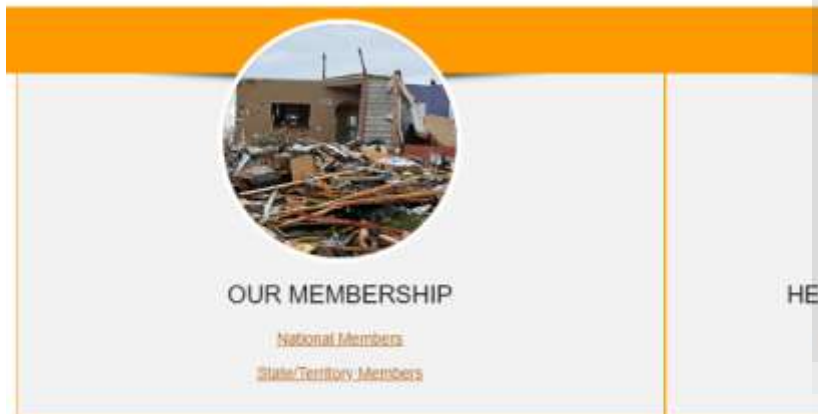
CEDR Digital COVID Resources

<https://2020-crowdsourced-disaster-photos-napsg.hub.arcgis.com/>

Partner with Volunteer Social Media Experts



<https://www.nvoad.org/>



#DORIAN - RESOURCES HOME CURRENT INCIDENTS DONATE INCIDENT RESPONSE VOLUNTEER WHAT WE DO WHO WE ARE

<https://cedrdigitalcorps.org/>

CEDR Digital Corps



SEARCH

Recent Posts


Dorian - Ressources in Deutsch
Dorian - Recursos em Português
Dorian - Ressources en Français
Dorian - Recursos en Español
#RememberingHarvey

Support a State VOAD Member

Making Content Accessible


- [ArcGIS Blog - Writing accessible story map content](#)

Learn More and Join our Online Community




Esri's Commitment to Accessibility
Review Esri's commitment to accessibility web site including links to VPATS and information about 5...

Explore




At Esri, Accessibility Is a User-Focused Endeavor
ArcNews Fall 2019 article on accessibility

Explore




ArcGIS Accessibility Related Blogs
Read latest ArcGIS Blogs.

Explore



Voluntary Product Accessibility Template (VPAT)
Voluntary Product Accessibility Templates...
View the latest ArcGIS VPATs

Explore



Esri's GeoNet Community for Accessibility
Participate with the ArcGIS Accessibility Community. This is a place to discuss, ask questions and share ideas about accessibility. Browse content including latest accessibility related blogs and presentations.

Explore

Questions

Submit your questions in the Q&A feature in Zoom

Thank You!

Supported by Technology
Innovation for Flood
Preparedness and
Operations, DHS Science
and Technology
70RSAT20C0000008

