

March 18, 2021 AMS GOES-R | JPSS Hands-on Training | Short Course

## Sharing NOAA Data across platforms to Support CA Civil Air Patrol | CA National Guard via GeoCollaborate

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GeoCollaborate

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Co-chair ESIP Disaster Lifecycle Cluster

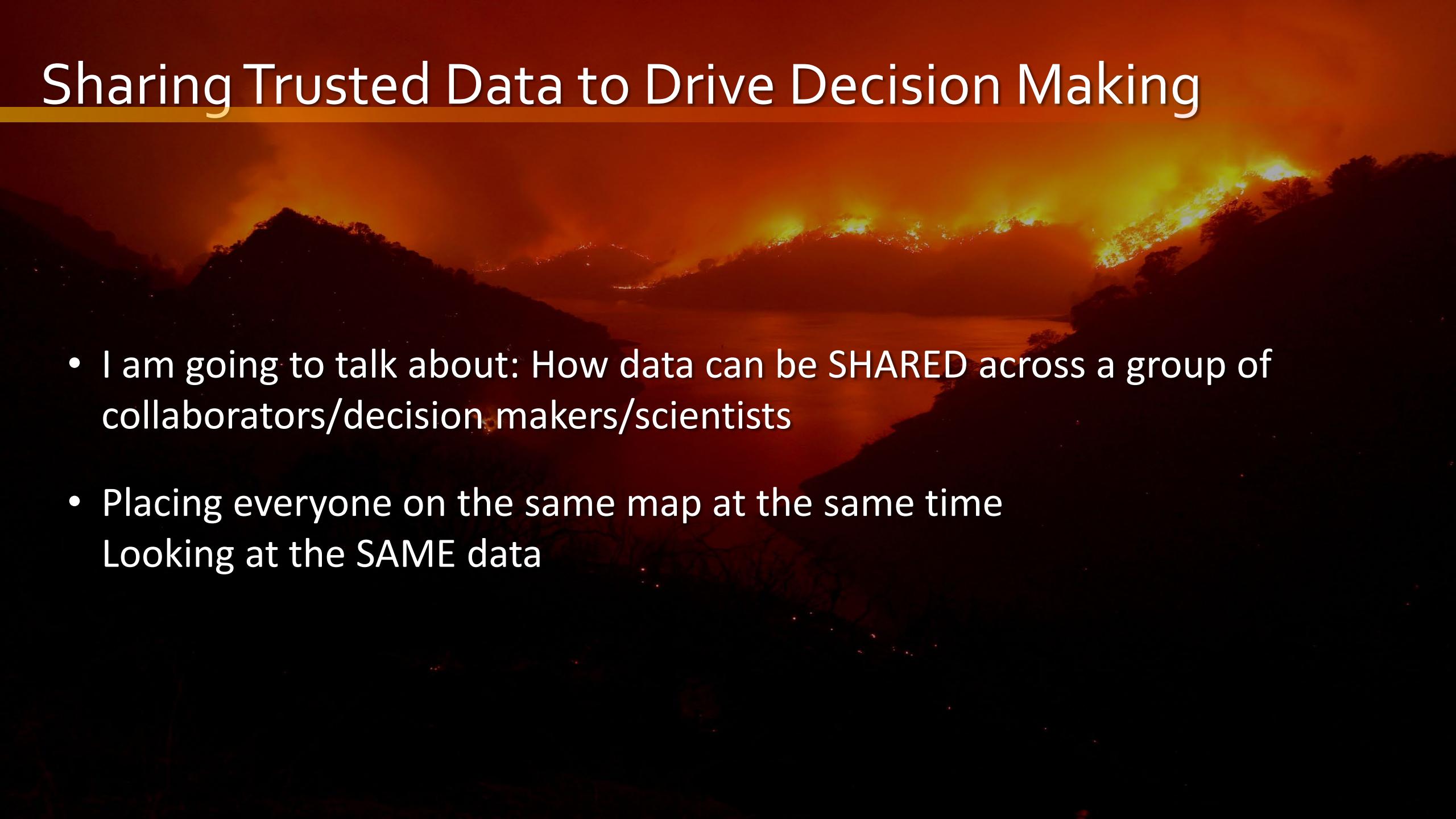


# Sharing Trusted Data to Drive Decision Making



- StormCenter focuses on disparate data integration into decision making environments (Emergency Ops Centers, Utility Industry, Food, Fuel, Transportation, Medical Supply sectors and more)
- We have seen many presentations where datasets are being processed and placed into GIS formats & services – Excellent!!

# Sharing Trusted Data to Drive Decision Making

A large wildfire is shown burning across a range of hills under a dark, orange-tinted sky. The fire is visible as bright orange and yellow streaks of light against the dark silhouettes of the hills. The smoke from the fire is visible as a thick, dark cloud rising into the sky.

- I am going to talk about: How data can be SHARED across a group of collaborators/decision makers/scientists
- Placing everyone on the same map at the same time  
Looking at the SAME data

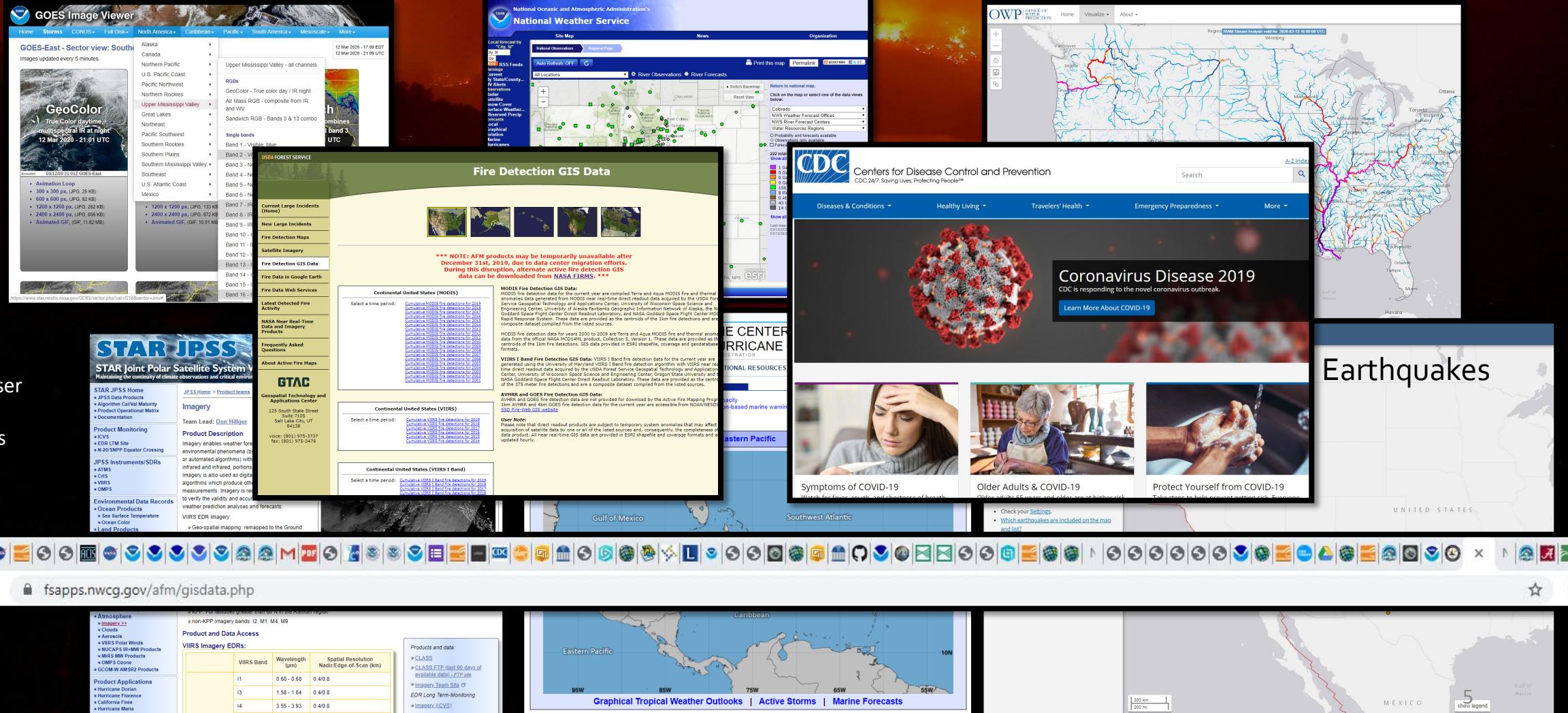
# Sharing Trusted Data to Drive Decision Making

A large forest fire with intense orange and yellow flames, showing smoke and fire lines across hillsides, serving as a dramatic background for the title.

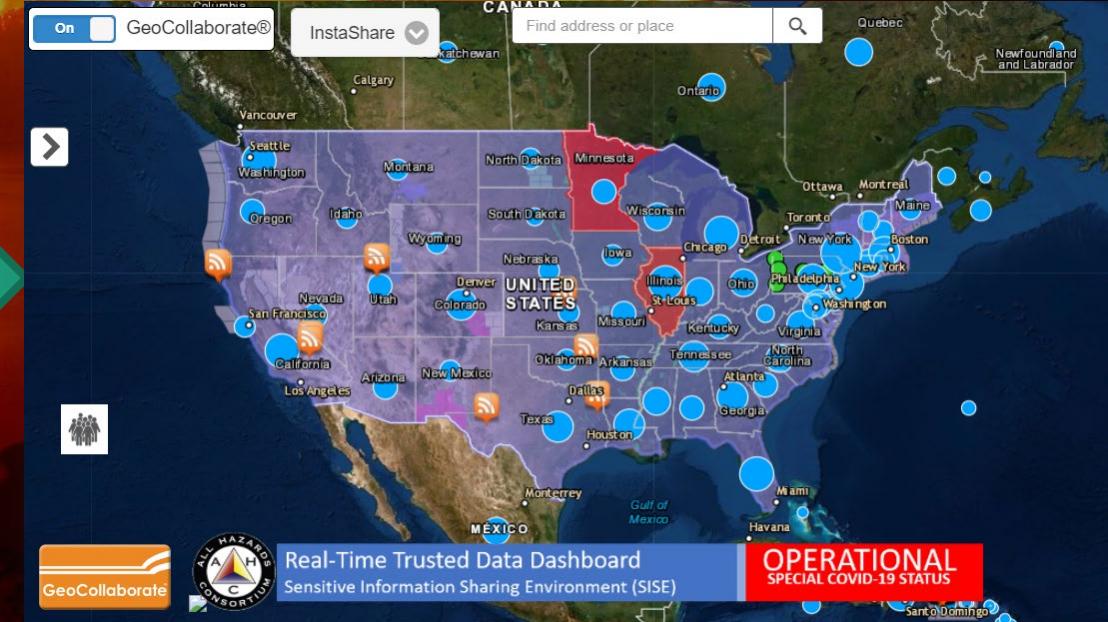
- There is no 'One Stop Shop' for geospatial data. There will always be new valuable datasets produced by known trusted partners and new trusted partners
- Geospatial efforts and initiatives within agencies and states are critical and now there are laws (Evidence Act, Geospatial Data Act, Executive Orders on federal data being open and sharable)
- Geospatial data services are **evolving** and varies widely
- Data driven decision making should be powered by **TRUSTED** data

# Current Way Many Briefings Are Conducted

# PPT | Web Browsers & Screen Sharing



# GeoCollaborate: Making the Complex...Simple

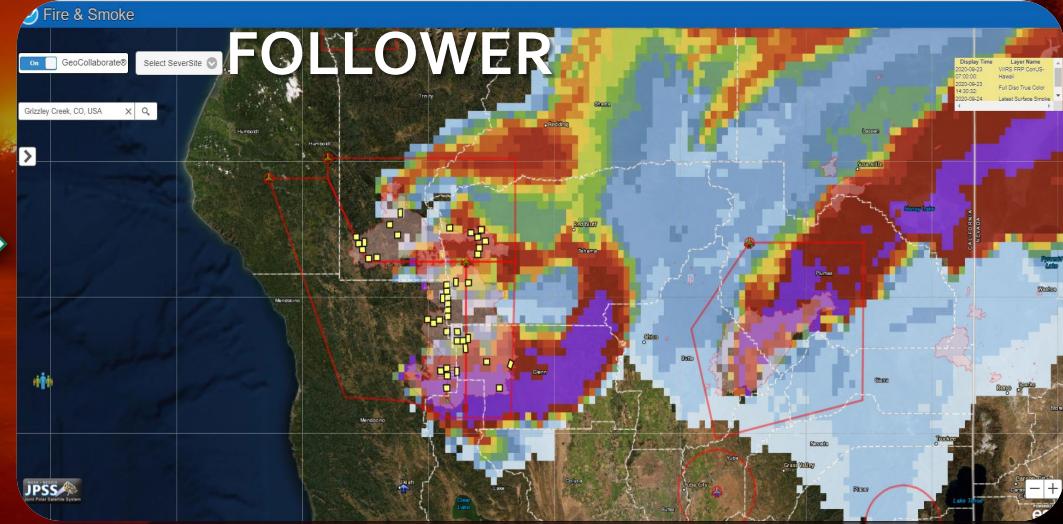
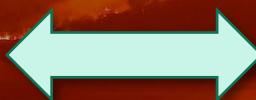
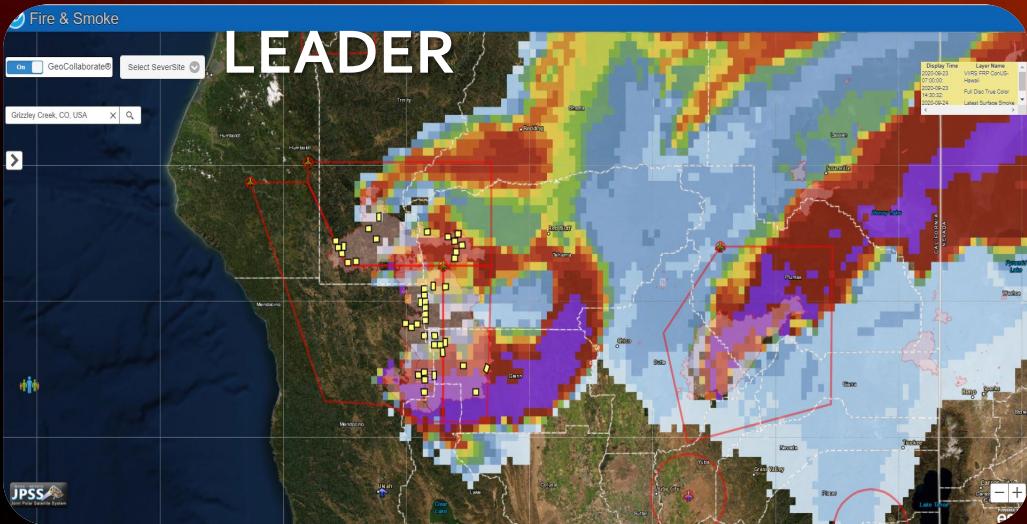


Simple display controls

Deliver Trusted Data from disparate sources, in real-time, onto any map

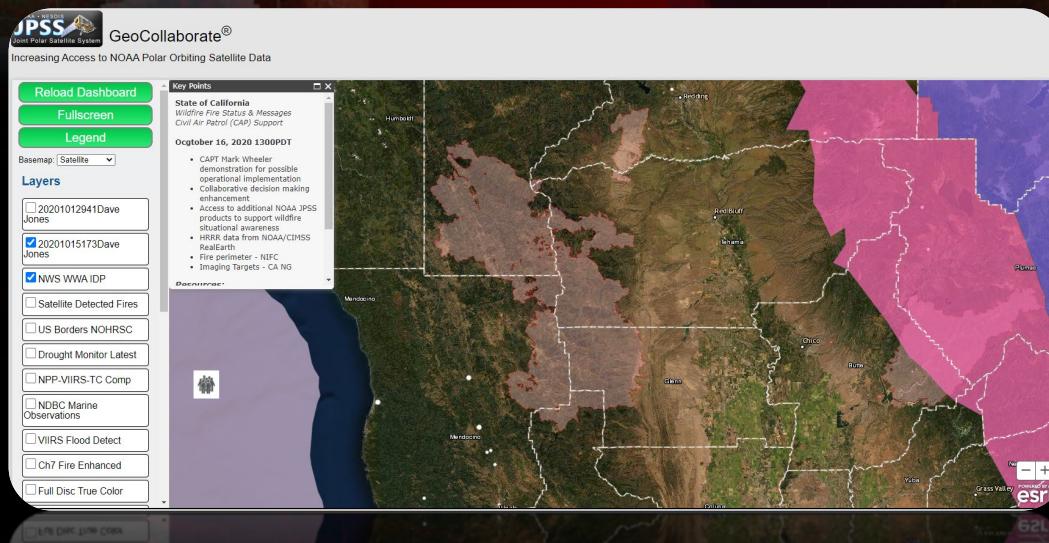


# GeoCollaborate | Putting Data to Work



## COLLABORATIVE DASHBOARD

Geographic location  
(Area of Interest & Data Layers)  
can be selected by  
individual user



# GeoCollaborate as an Innovation



- Allows easy sharing of disparate data across devices, platforms in real-time, using low bandwidth
- Placing all participants synchronized on the same map at the same time (not screen sharing)
- No additional hardware footprint or installation of software needed
- Access and share data from RealEarth, nowCOAST, NWS IDP, Federal Agencies, AGOL, Esri Hub, Portals,



**SBIR/STTR**  
SMALL BUSINESS INNOVATION RESEARCH  
SMALL BUSINESS TECHNOLOGY TRANSFER

# This is how a partnership works...

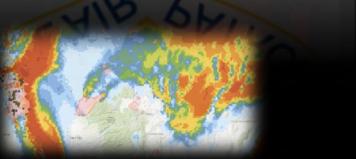


FIRE & SMOKE INITIATIVE  
STORMCENTER COMMUNICATIONS

22-Sept-2020



CAPT Mark Wheeler



22-Sept-2020



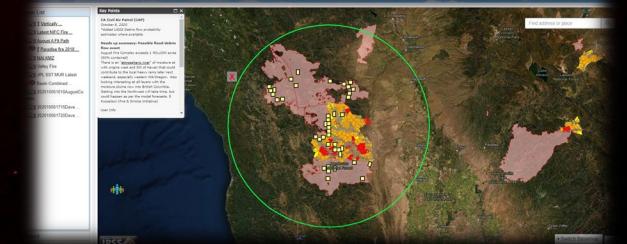
ESRL Boulder, CO

23-Sept-2020

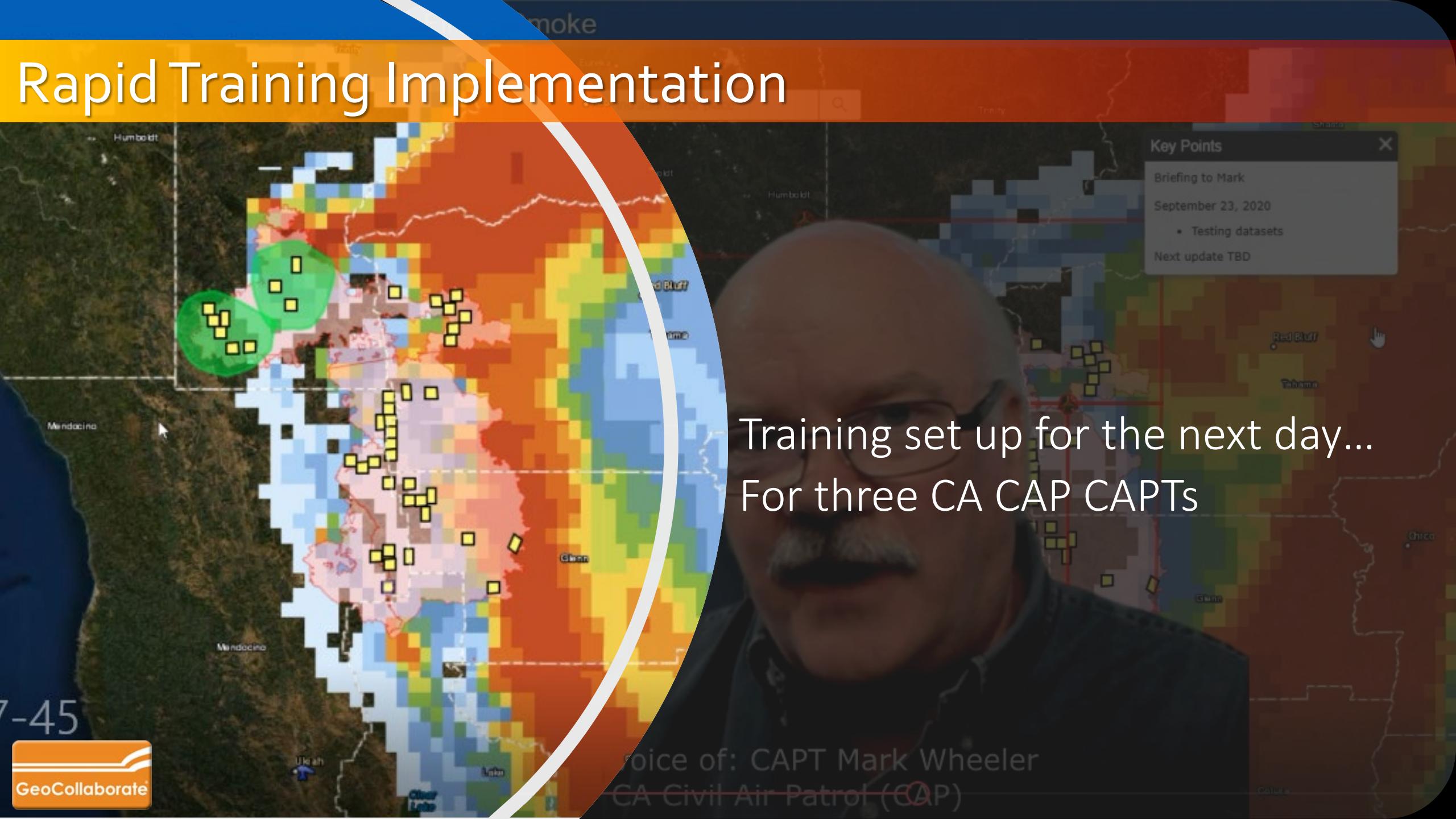


Fire & Smoke Team

25-Sept-2020



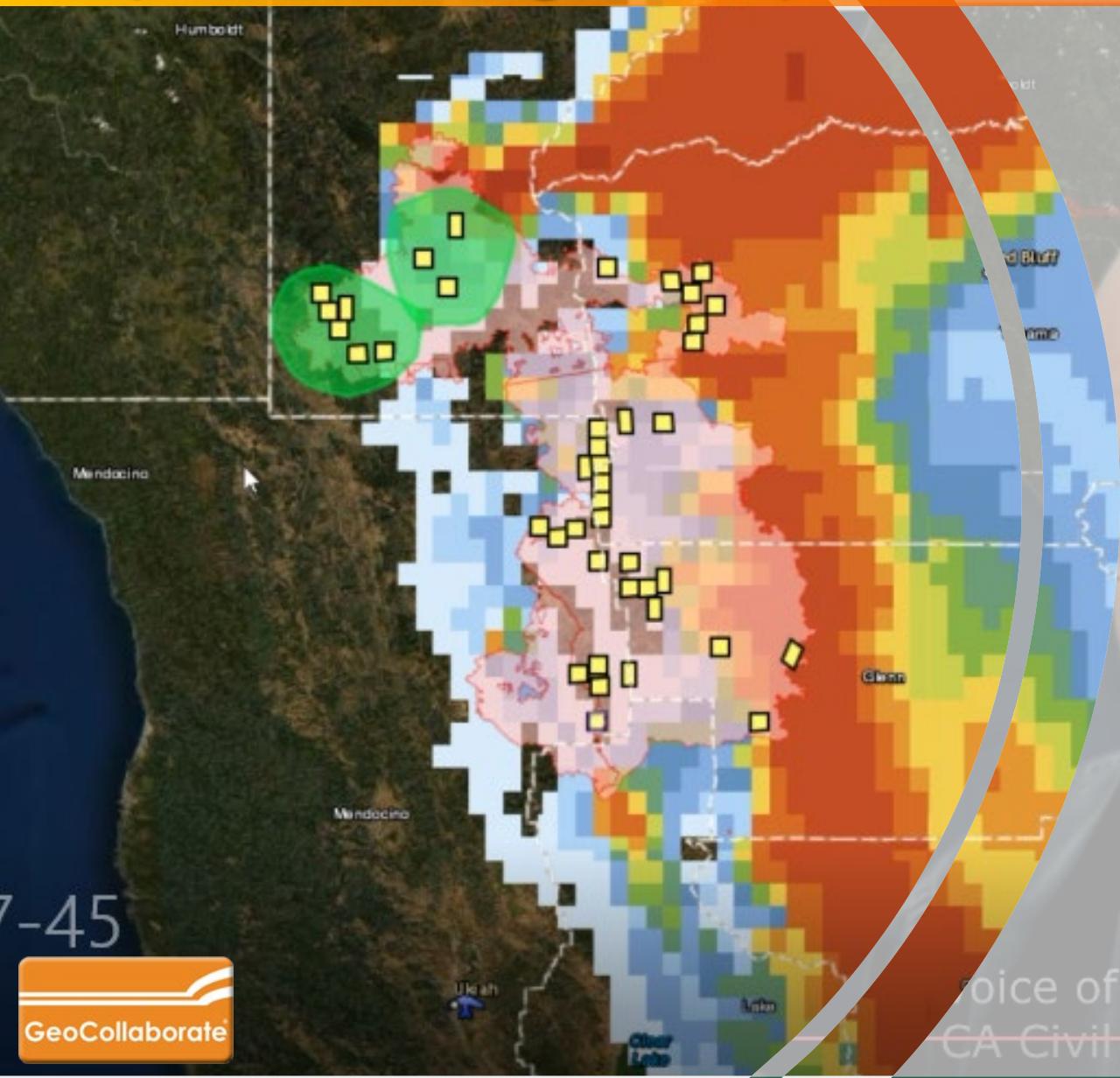
# Rapid Training Implementation



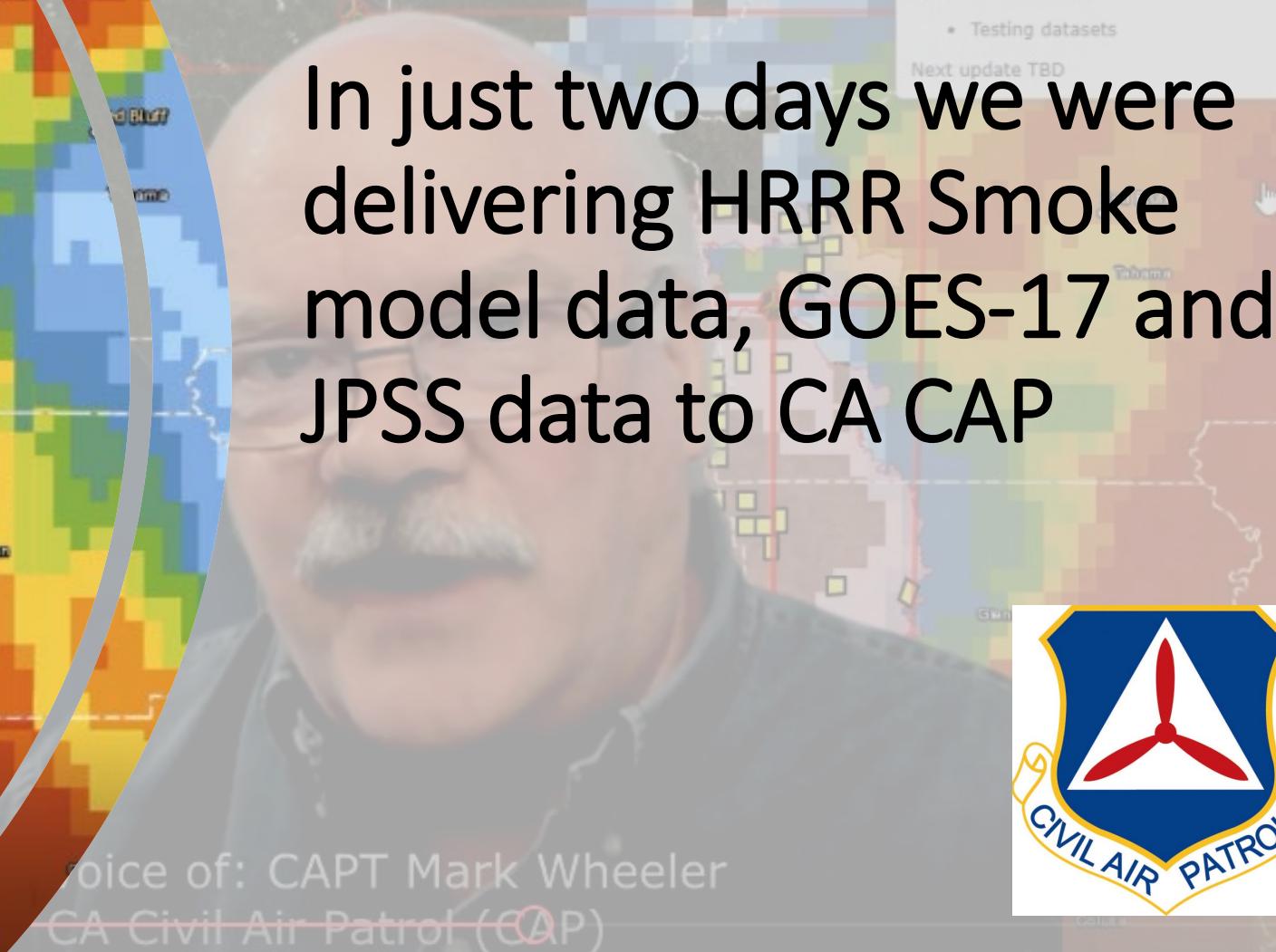
Training set up for the next day...  
For three CA CAP CAPTs

7-45

# Rapid Training & Implementation



In just two days we were delivering HRRR Smoke model data, GOES-17 and JPSS data to CA CAP





## FIRE & SMOKE INITIATIVE

STORMCENTER COMMUNICATIONS

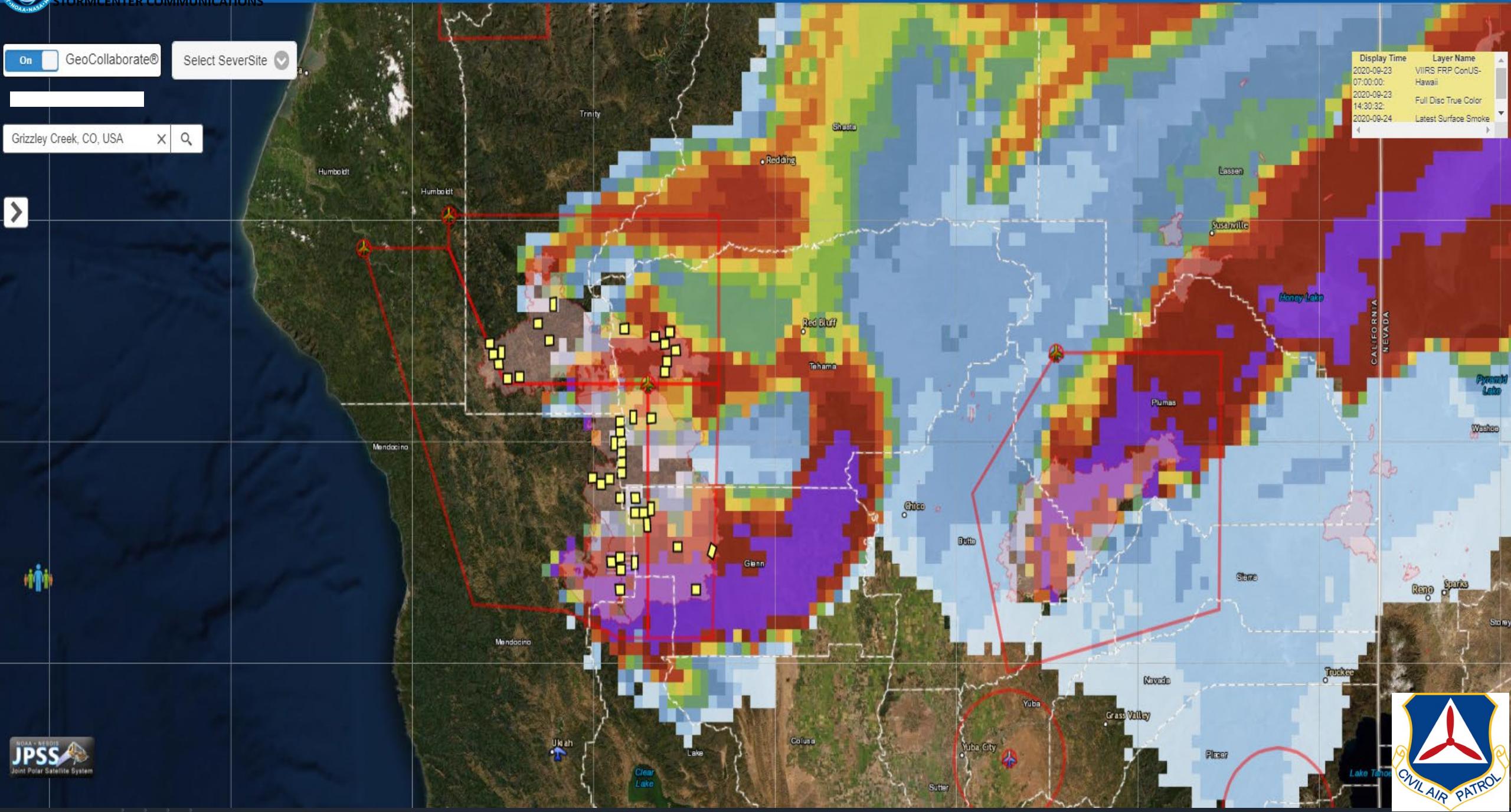
On  GeoCollaborate®

Select SeverSite 

Grizzley Creek, CO, USA

X

9



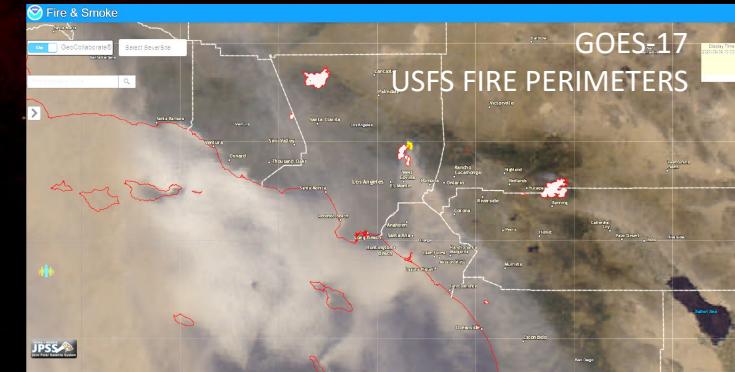
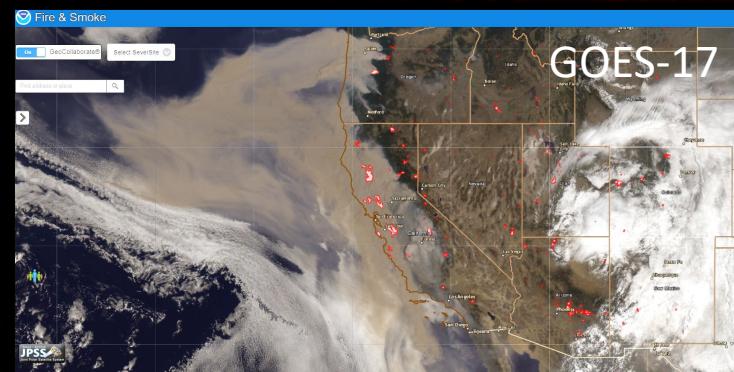
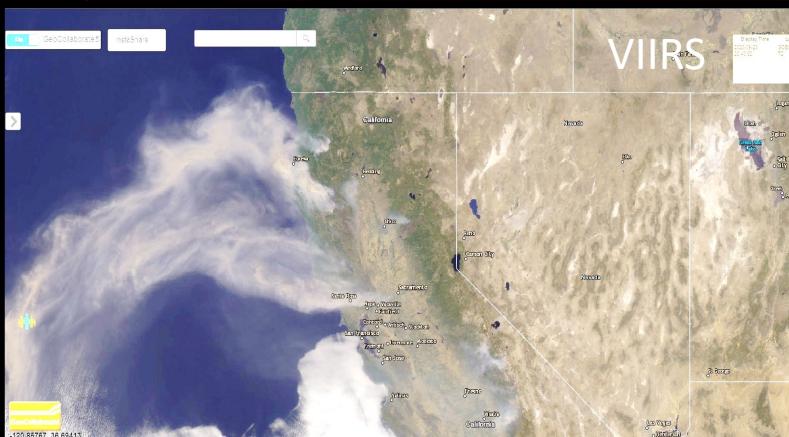
# Fire & Smoke Initiative



Actively working to deliver NOAA data into decision making environments through GeoCollaborate through:

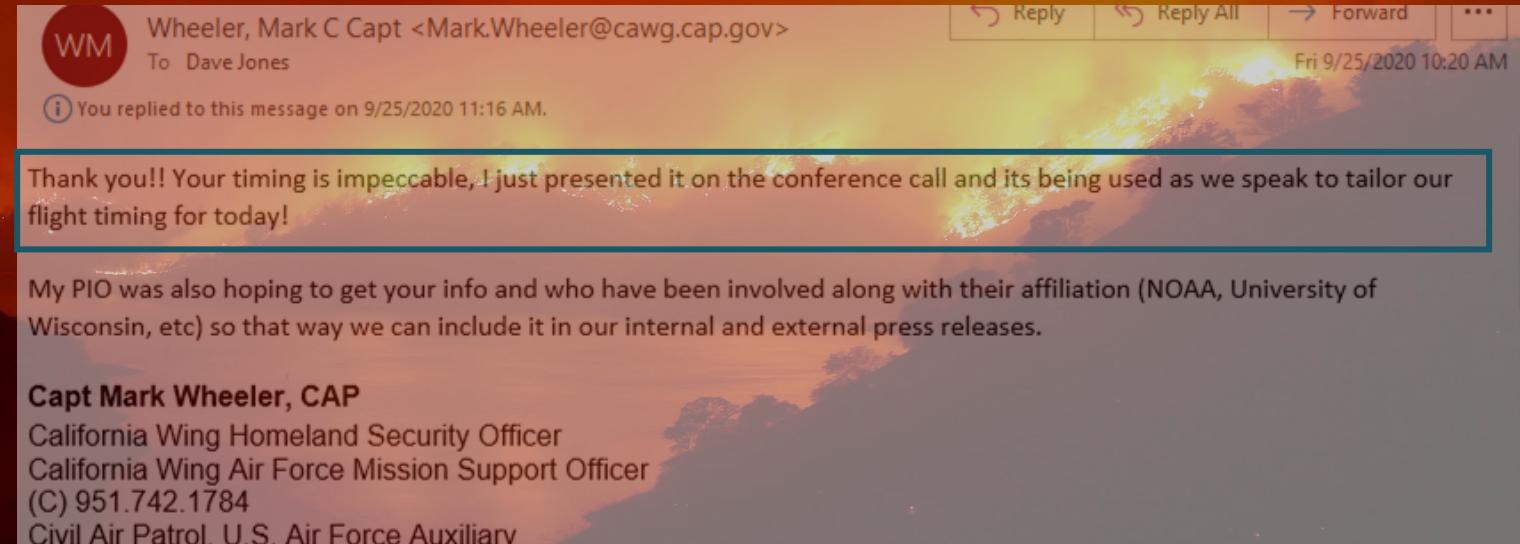
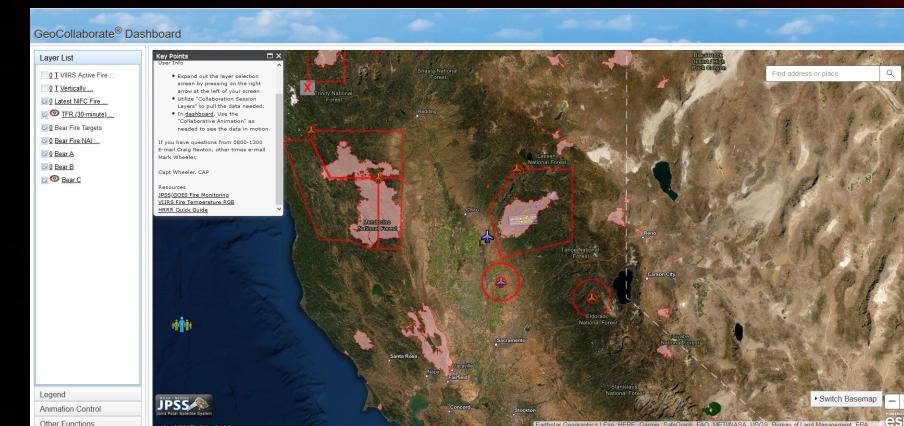
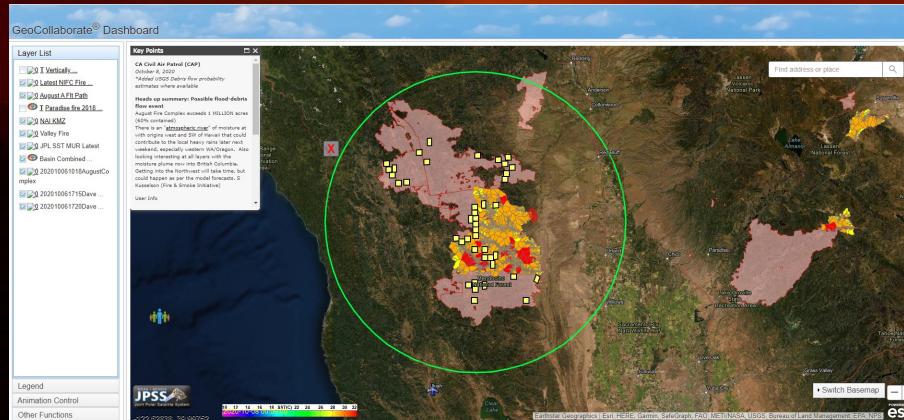
- **Fire & Smoke Initiative**

- **River Ice & Flooding Initiative**



Increase the use and understanding of NOAA satellite data for decision makers

By evening of Sept 24, 2020 CA CAP was using GeoCollaborate operationally to help fight CA wildfires



*Thank you!! Your timing is impeccable, I just presented it on the conference call and its being used as we speak to tailor our flight planning for today!*

*CAPT Mark Wheeler, CAP*

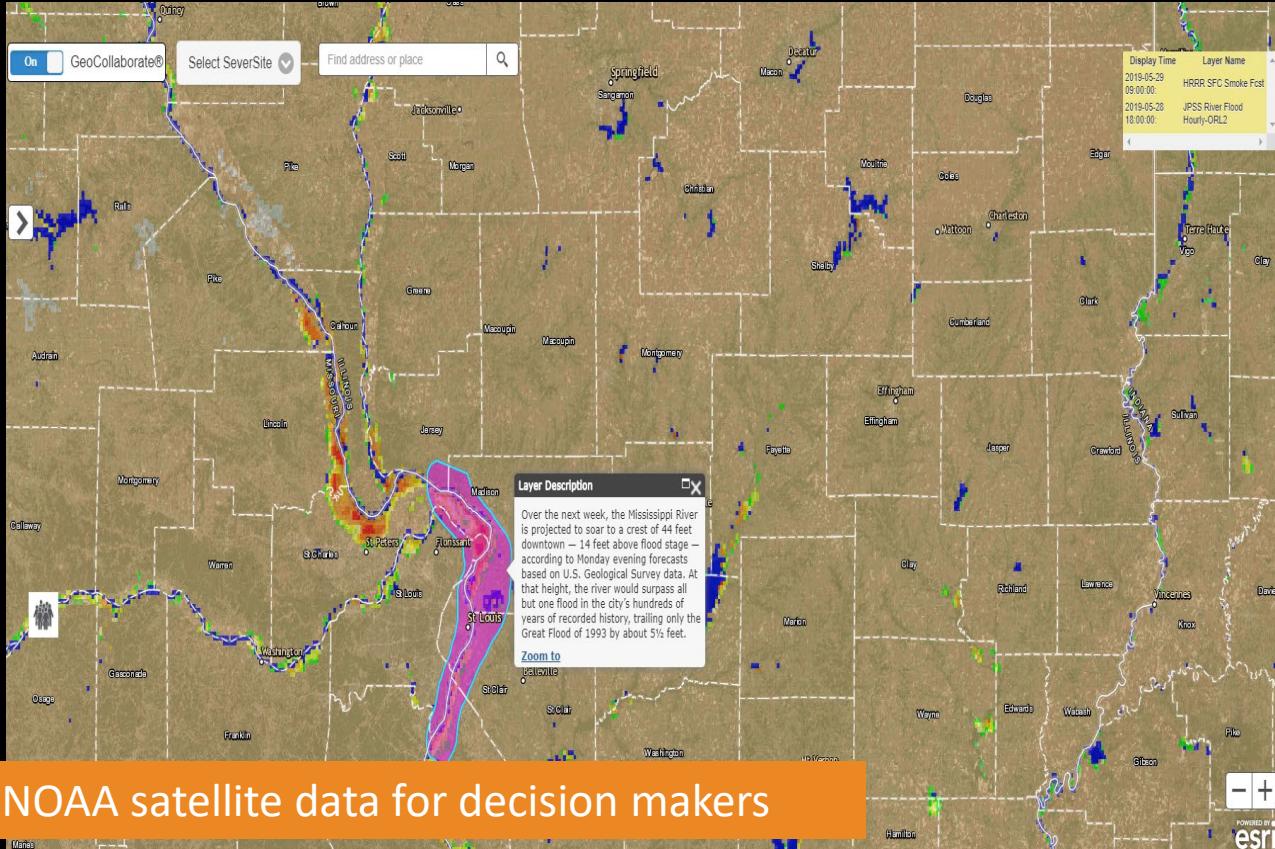
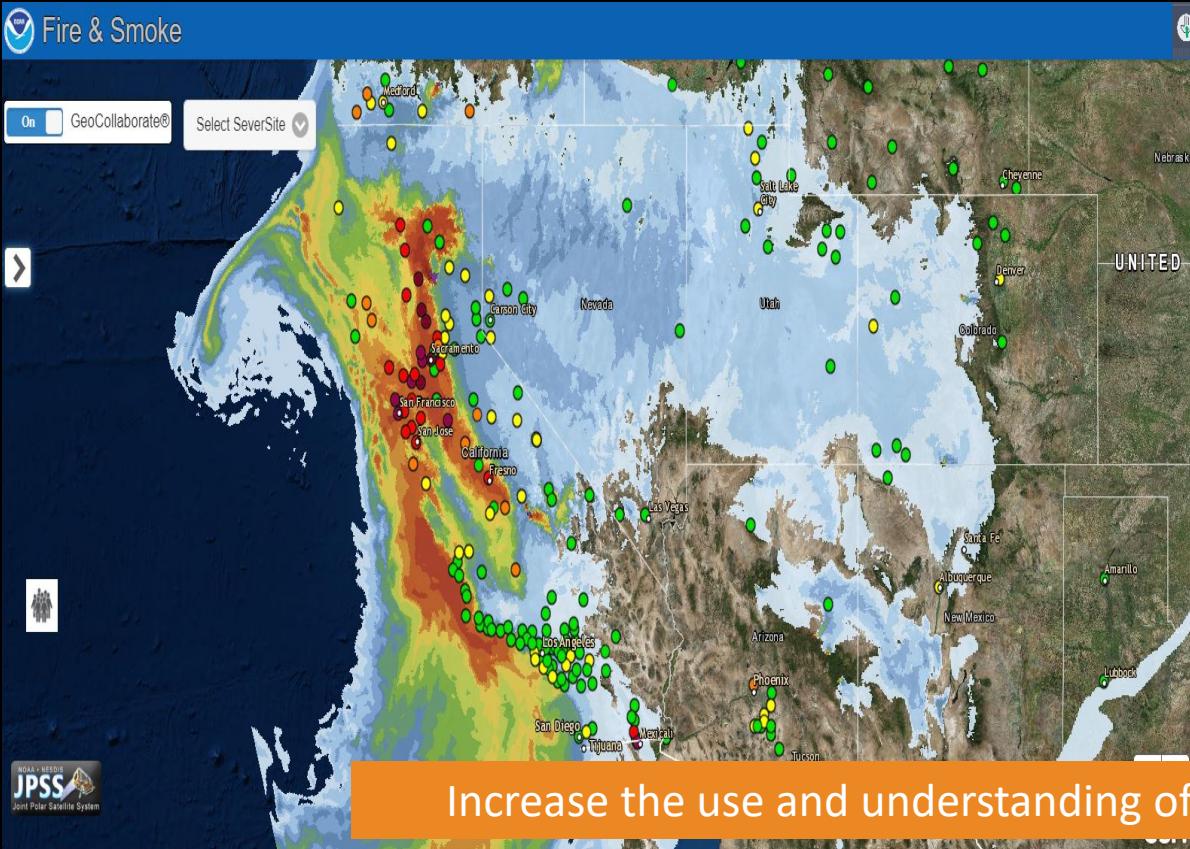
# Fire & Water



Actively working as a prime contractor with NOAA (JPSS Program) to use GeoCollaborate within:

- Fire & Smoke Initiative
- River Ice & Flooding Initiative

*Recently Expanded to Tropical Storms & Hurricanes*



Increase the use and understanding of NOAA satellite data for decision makers

# LINKS TO VIDEOS OF INTEREST



## RIVER ICE & FLOODING INITIATIVE

STORMCENTER COMMUNICATIONS



## FIRE & SMOKE INITIATIVE

STORMCENTER COMMUNICATIONS

The following links provide additional information on Dave's presentation & the JPSS Satellite System

### California CAP Wildfire Support – Sept 2020

<https://youtu.be/J4qpSpEpflg>

### The Promise of JPSS

<https://youtu.be/eulPPfwexaE>



THANKYOU – NOW TIME FOR THE LIVE EXERCISE