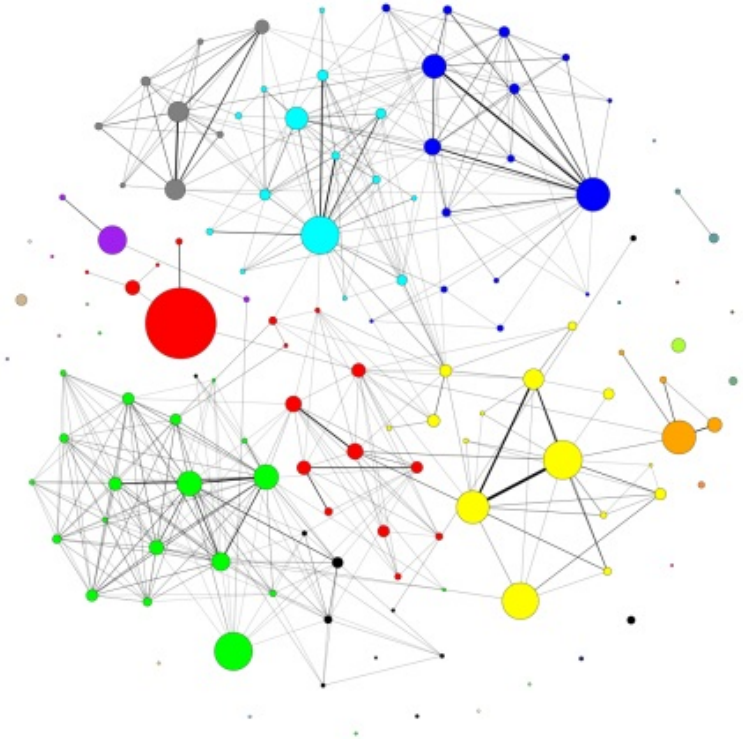
Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

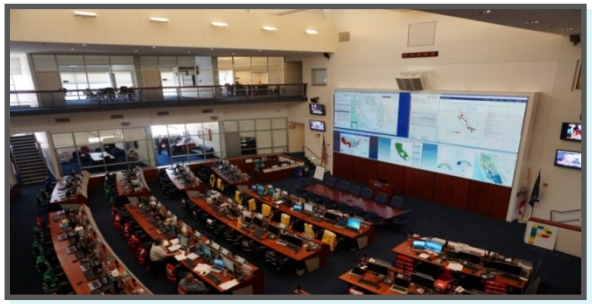
Integrating GIS to Optimize Emergency Management Operations

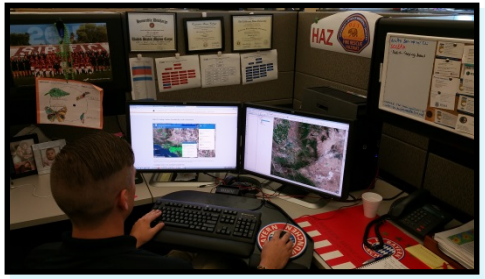
Caroline Thomas Jacobs – Chief, Response Systems Integration Branch

2017 Esri Users Conference

…turn it into this.

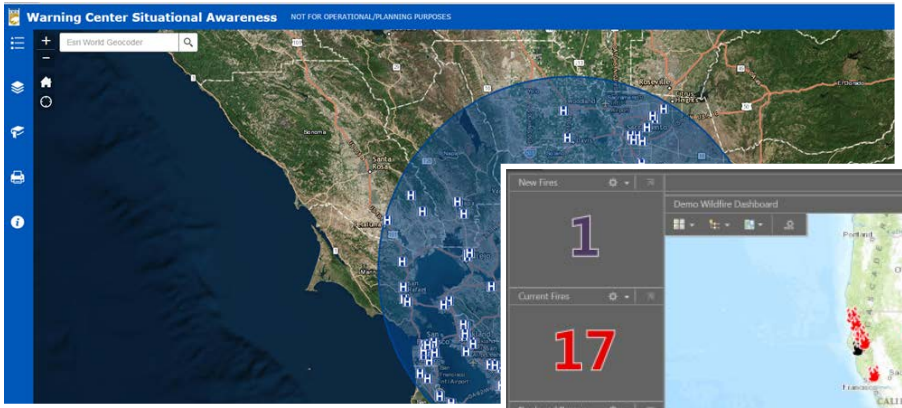


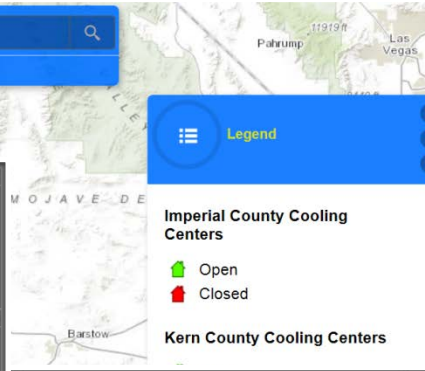


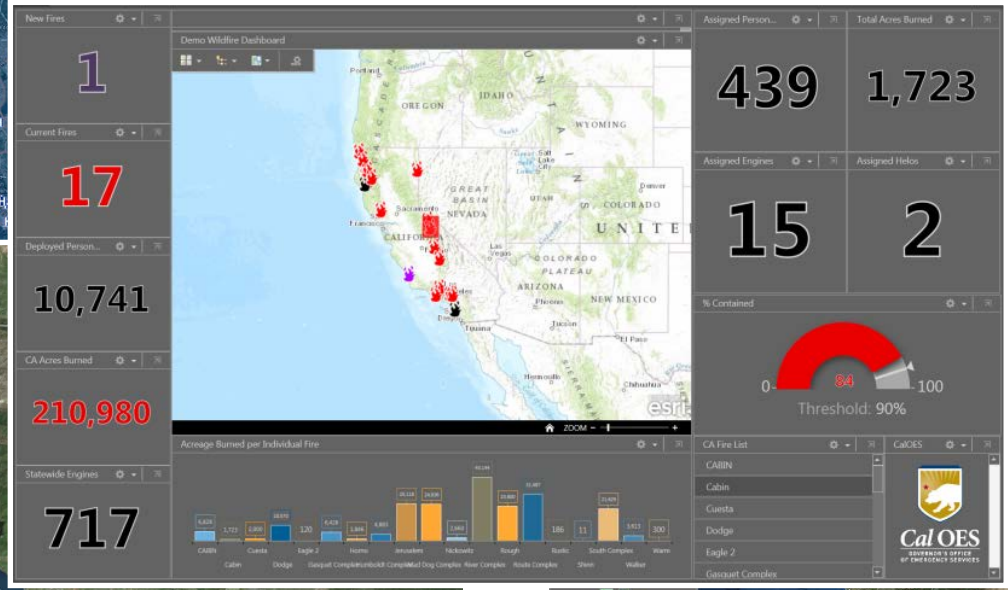


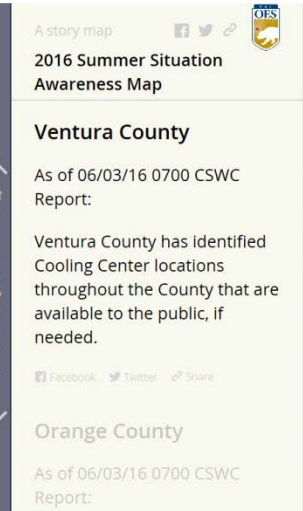
Maximize our Tools

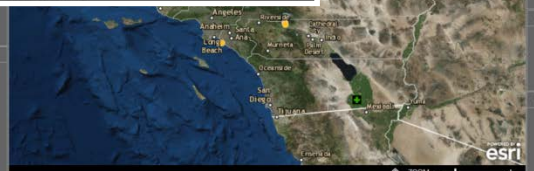
Map Shop to App Shop







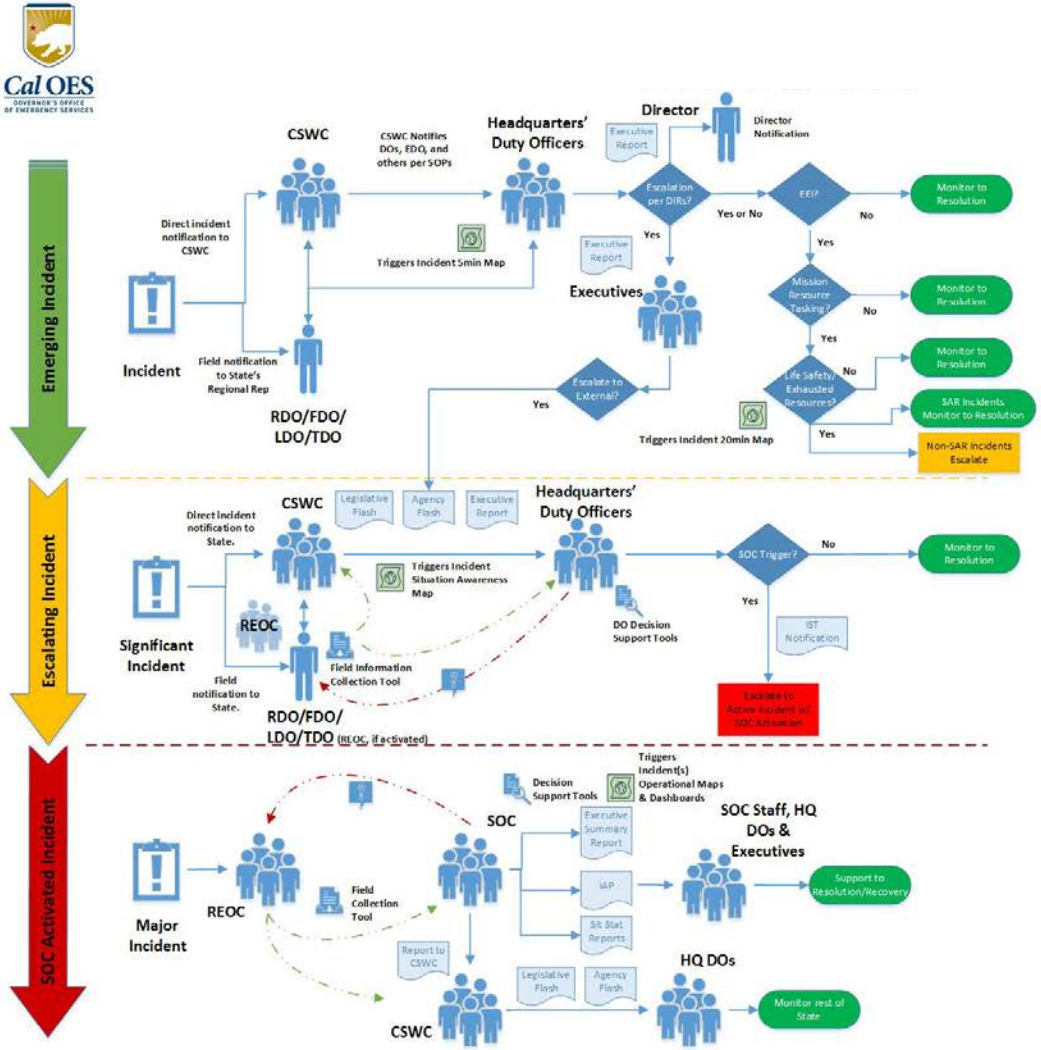




G
Want
Like
Need

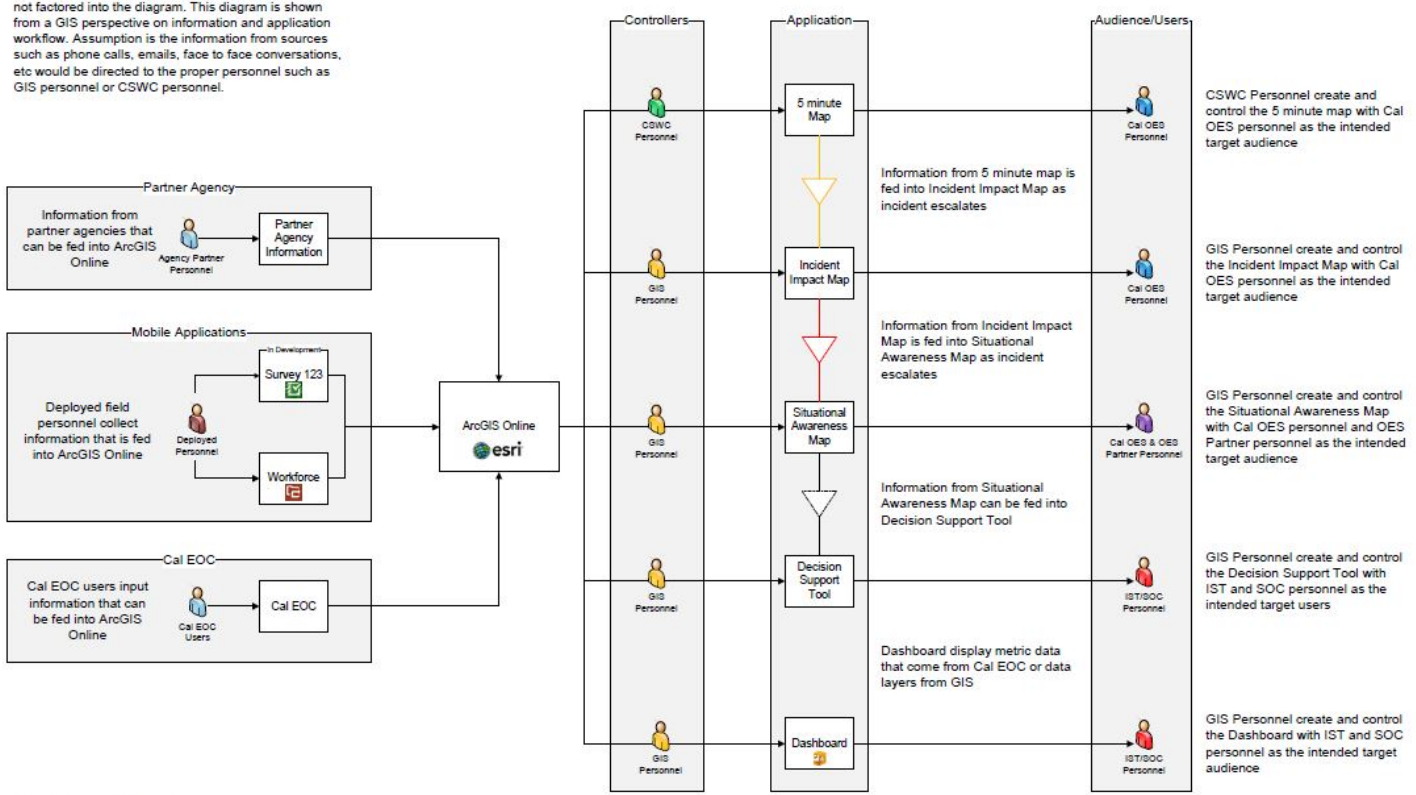
Immediate wins

- Recovery
- State Warning Center
- Mitigation
- Fire
- GIS
- Law Enforcement
- Planning
- Access & Functional Needs
- Crisis Communications


Cal OES
GOVERNOR'S OFFICE OF EMERGENCY SERVICES
Emerging Incident
Escalating Incident
SOC Activated Incident
CSWC
CSWC Notifies DOs, EDO, and others per SOPs
Headquarters' Duty Officers
Director
Director Notification
Executive Report
Escalation per DIRs?
Yes or No
EEI?
No
Monitor to Resolution
Yes
Executive Report
Executives
Mission Resource Tasking?
No
Monitor to Resolution
Yes
Life Safety/ Exhausted Resources?
No
Monitor to Resolution
SAR Incidents Monitor to Resolution
Yes
Non-SAR Incidents Escalate
Triggers Incident 20min Map
Escalate to External?
Yes
Direct incident notification to CSWC
Triggers Incident 5min Map
Incident
Field notification to State's Regional Rep
RDO/FDO/ LDO/TDO
Direct Incident notification to State.
CSWC
Legislative Flash
Agency Flash
Executive Report
Headquarters' Duty Officers
Triggers Incident Situation Awareness Map
SOC Trigger?
No
Monitor to Resolution
Yes
IST Notification
DO Decision Support Tools
Significant Incident
REOC
Field Information Collection Tool
Field notification to State.
RDO/FDO/ LDO/TDO (REOC, if activated)
Escalate to Active Incident w/ SOC Activation
Decision Support Tools
Triggers Incident(s) Operational Maps & Dashboards
SOC
Executive Summary Report
SOC Staff, HQ DOs & Executives
IAP
Support to Resolution/Recovery
Sit Stat Reports
Major Incident
REOC
Field Collection Tool
Report to CSWC
HQ DOs
Legislative Flash
Agency Flash
Monitor rest of State
CSWC

GIS Information & Application Workflow

Information from sources that are not tied into GIS are not factored into the diagram. This diagram is shown from a GIS perspective on information and application workflow. Assumption is the information from sources such as phone calls, emails, face to face conversations, etc would be directed to the proper personnel such as GIS personnel or CSWC personnel.



Controllers – Create/edit the information in the application

Application – Product that audience/users interact with

Audience/Users – Personnel using applications

Field Responders

Placeholder

Duty Officers

Placeholder

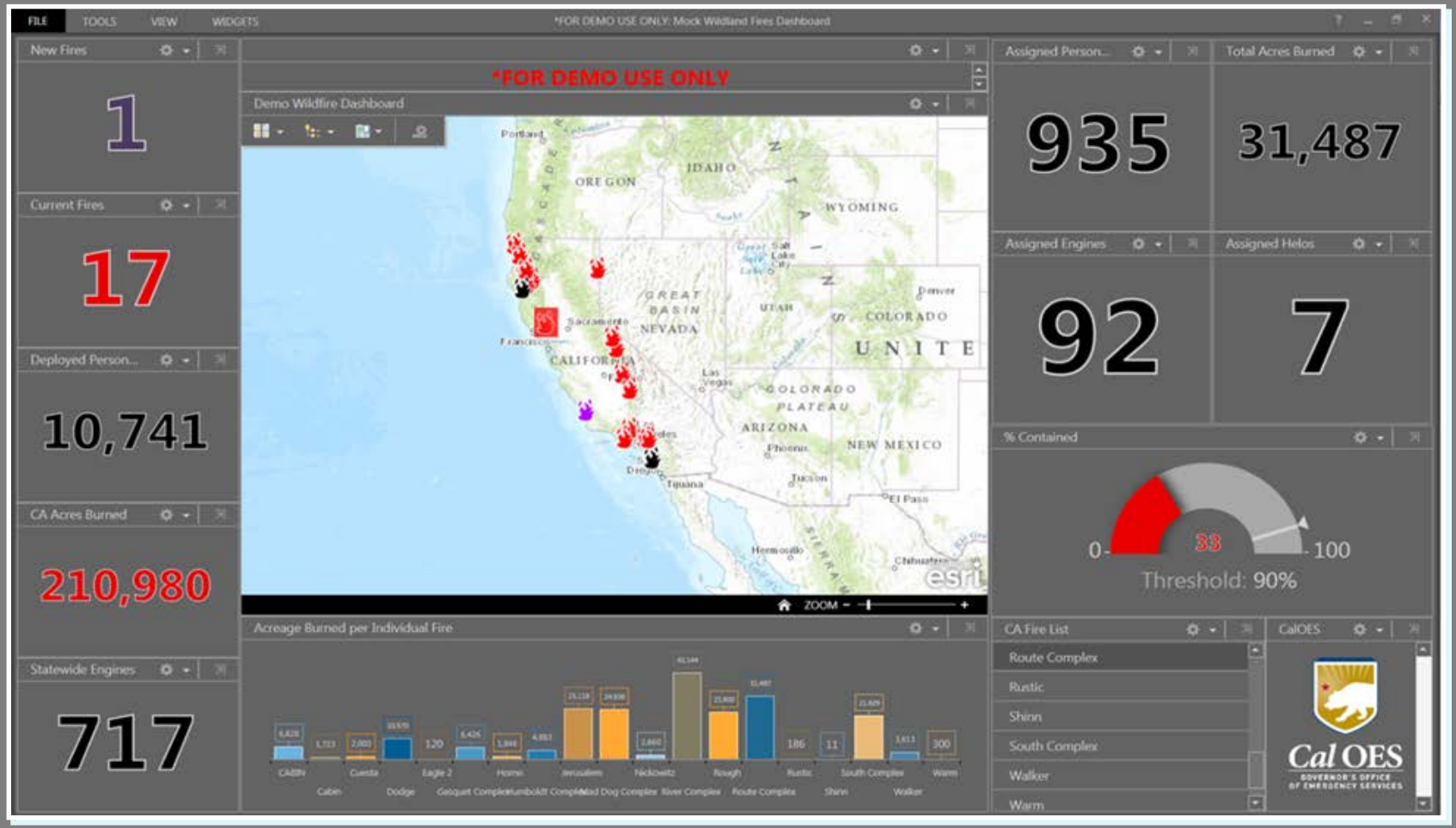
Incident Support Teams

Placeholder

Steady State Products

Placeholder

Fire Metrics Summary Dashboard (ICS 209)



Questions?