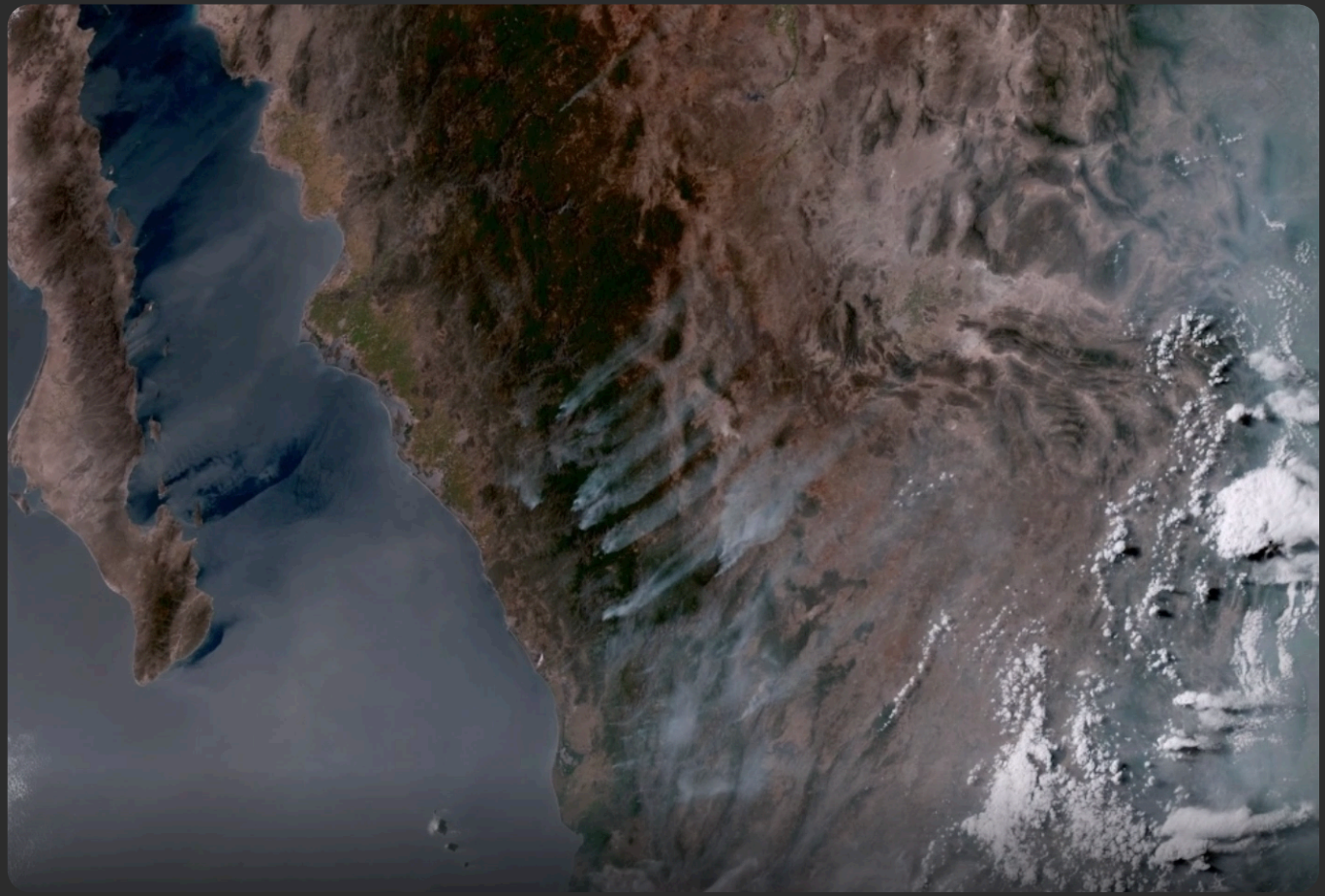
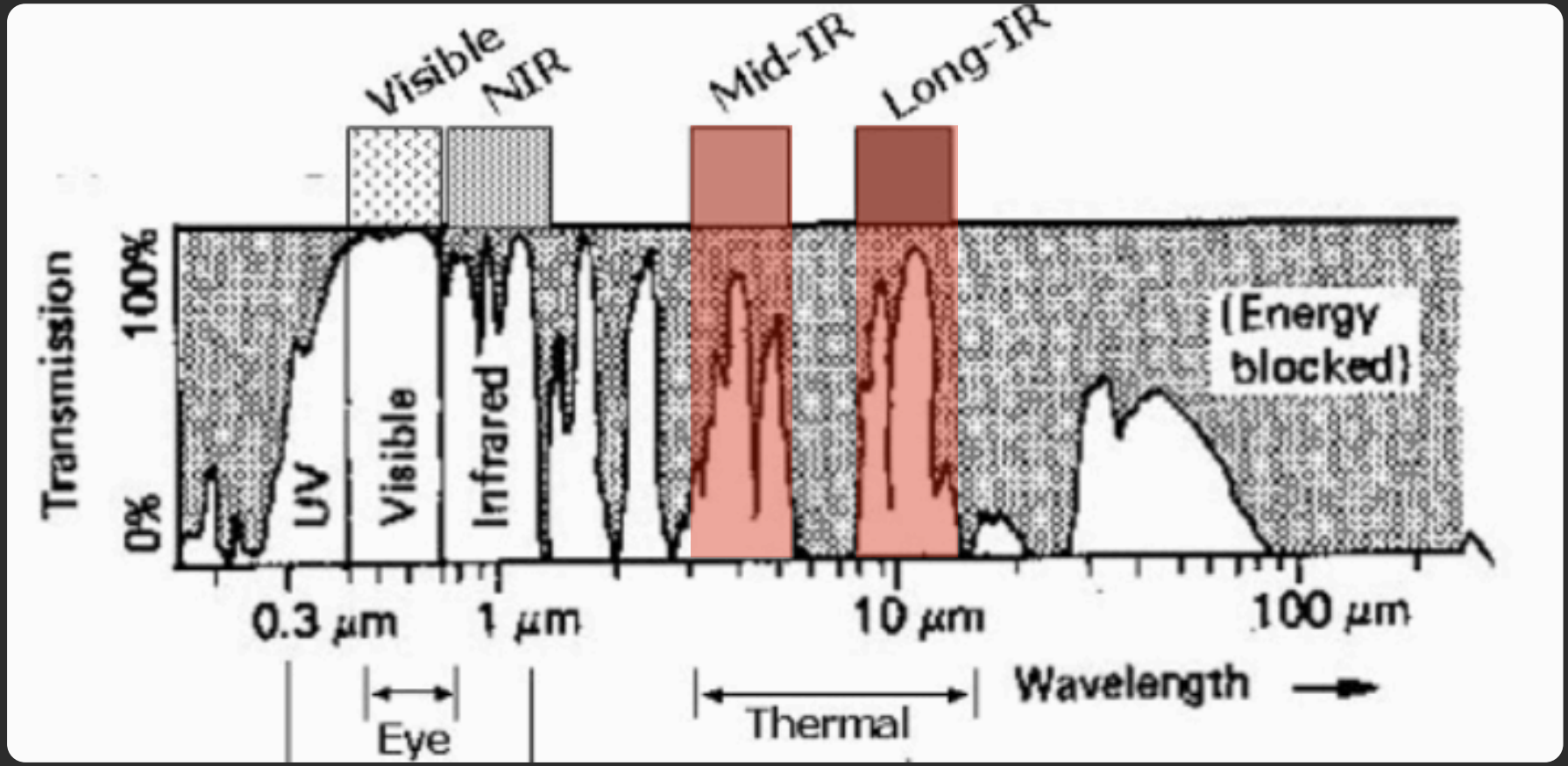
Fight Fire with Data

Application Overview

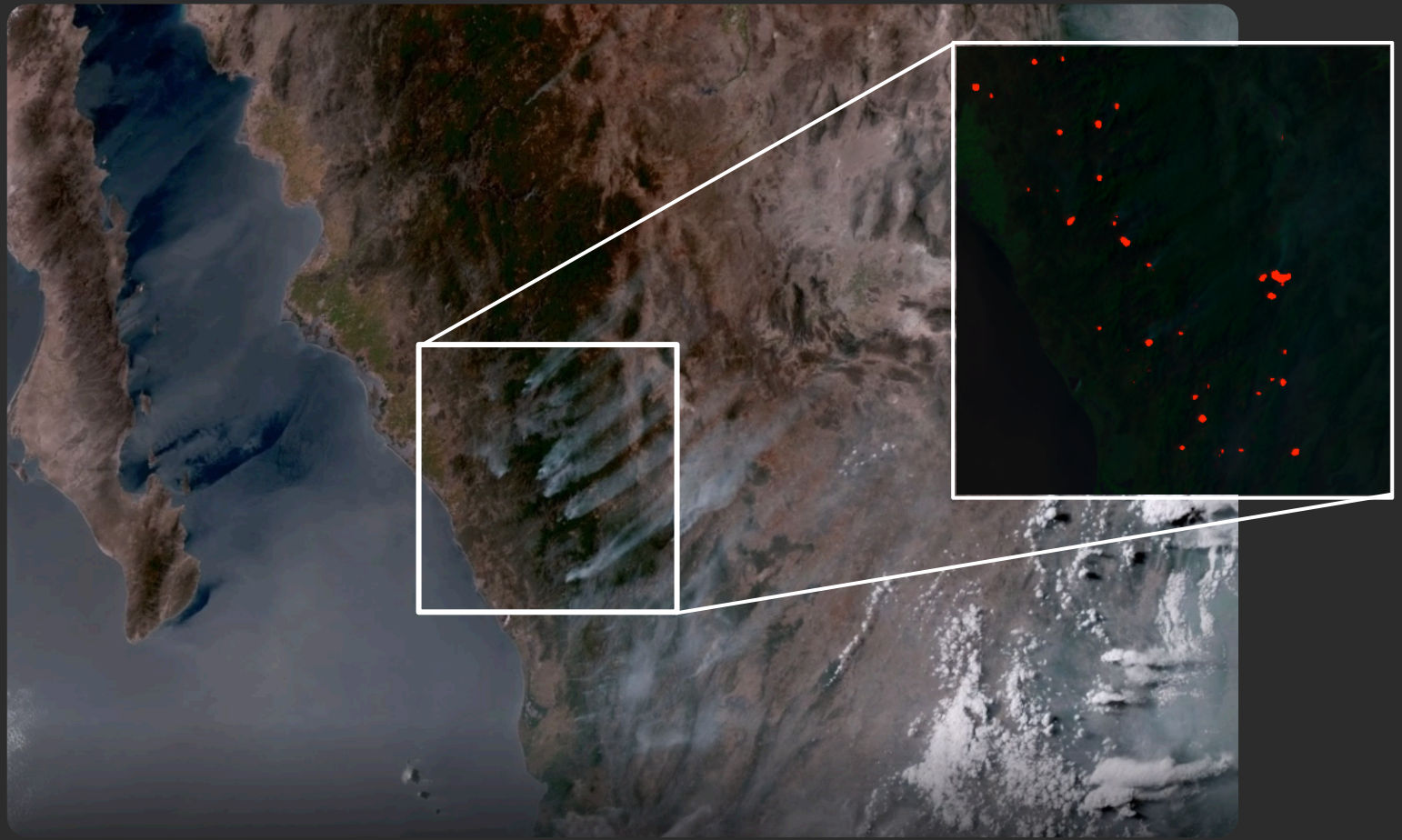
- **Visualize**
- **Locate**
- **Evacuate**



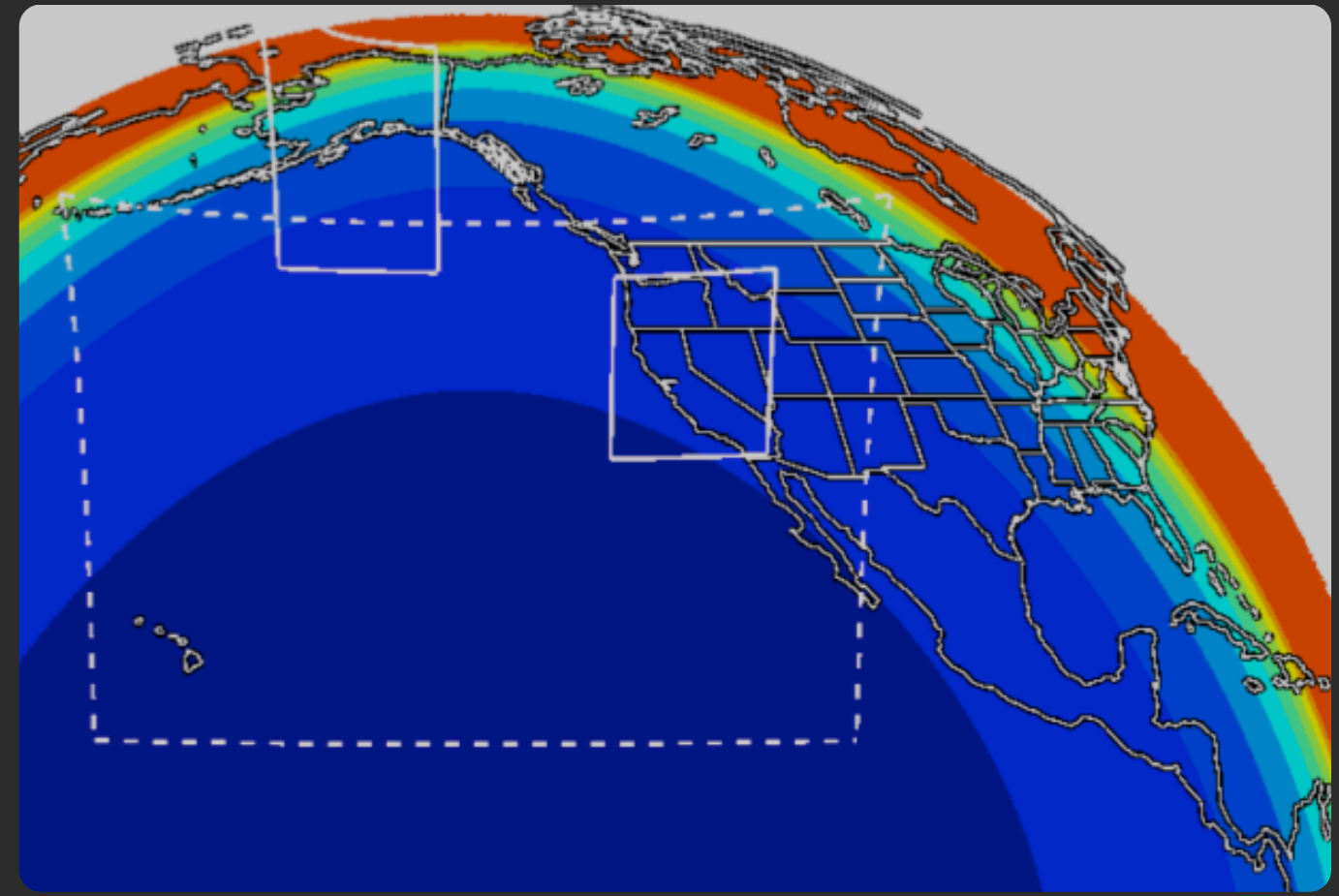
GOES-16, GeoColor - 2019-05-23 | **smoke from wildfires in Mexico**



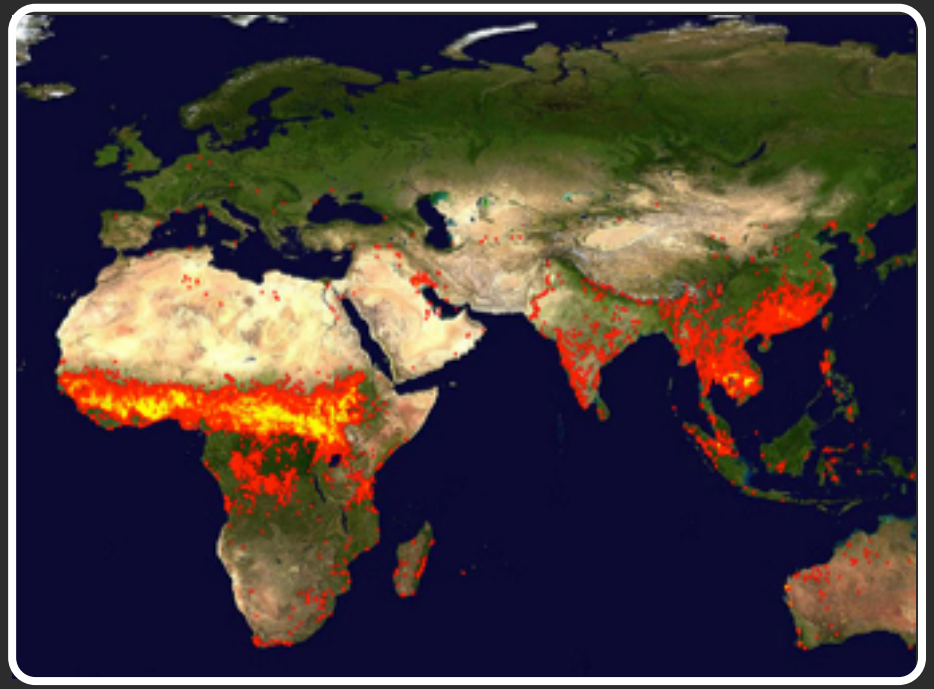
Infrared Field Users' Guide (Brad Quayle et. at., 2014) | transmission regions of light wavelengths



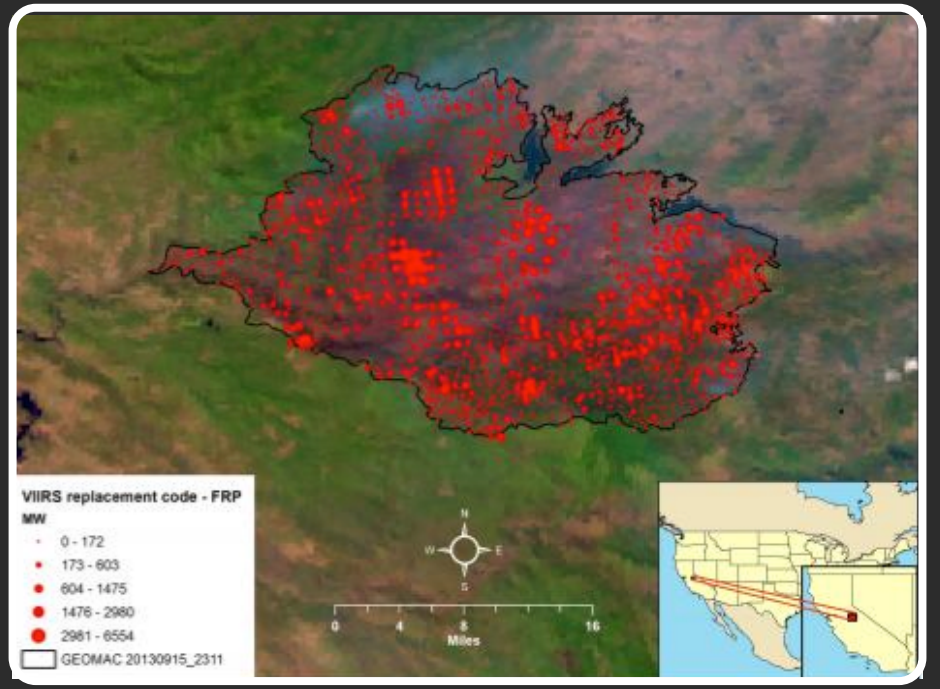
GOES-16, GeoColor - 2019-05-23 | **smoke from wildfires in Mexico**



GOES-S Imaging locations including Mesoscales 1 and 2 (solid lines)

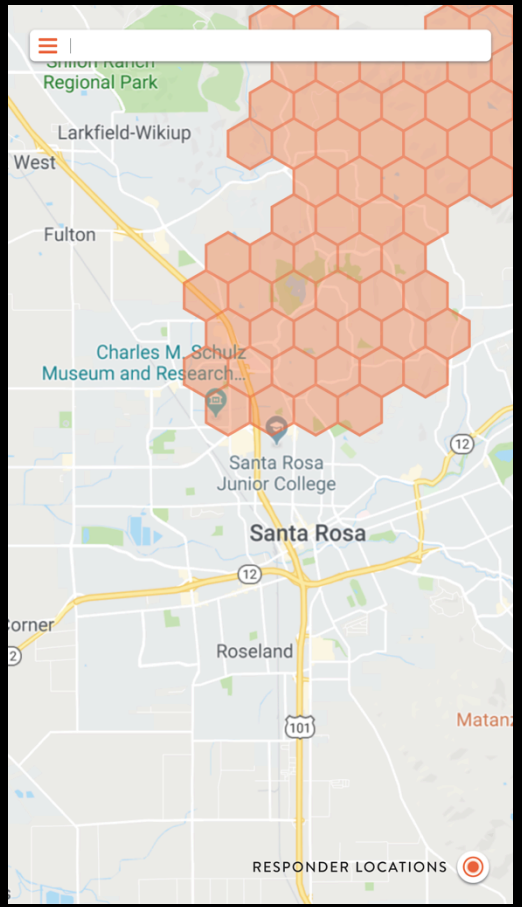


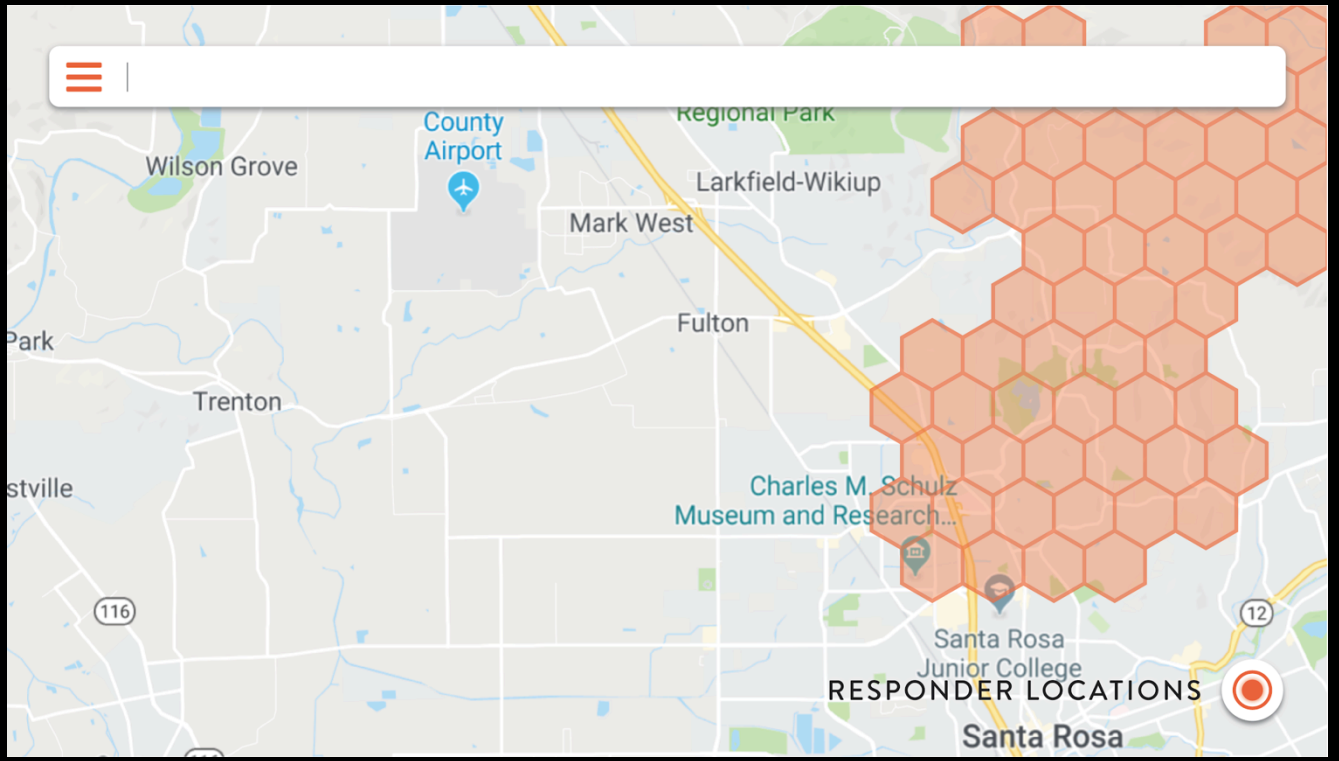
MODIS


VIIRS replacement code - FRP
MW
0 - 172
173 - 603
604 - 1475
1476 - 2980
2981 - 6554
GEOMAC 20130915_2311
N
W
E
S
0
4
8
16
Miles

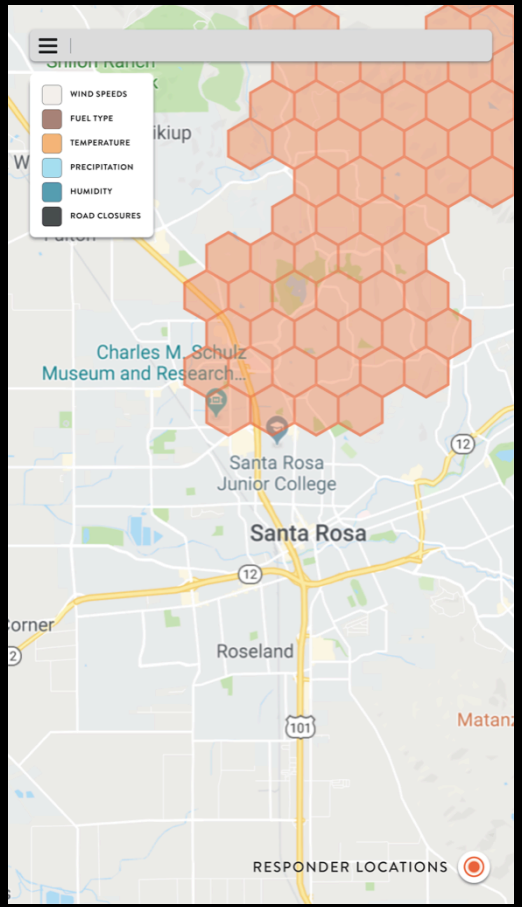
VIIRS

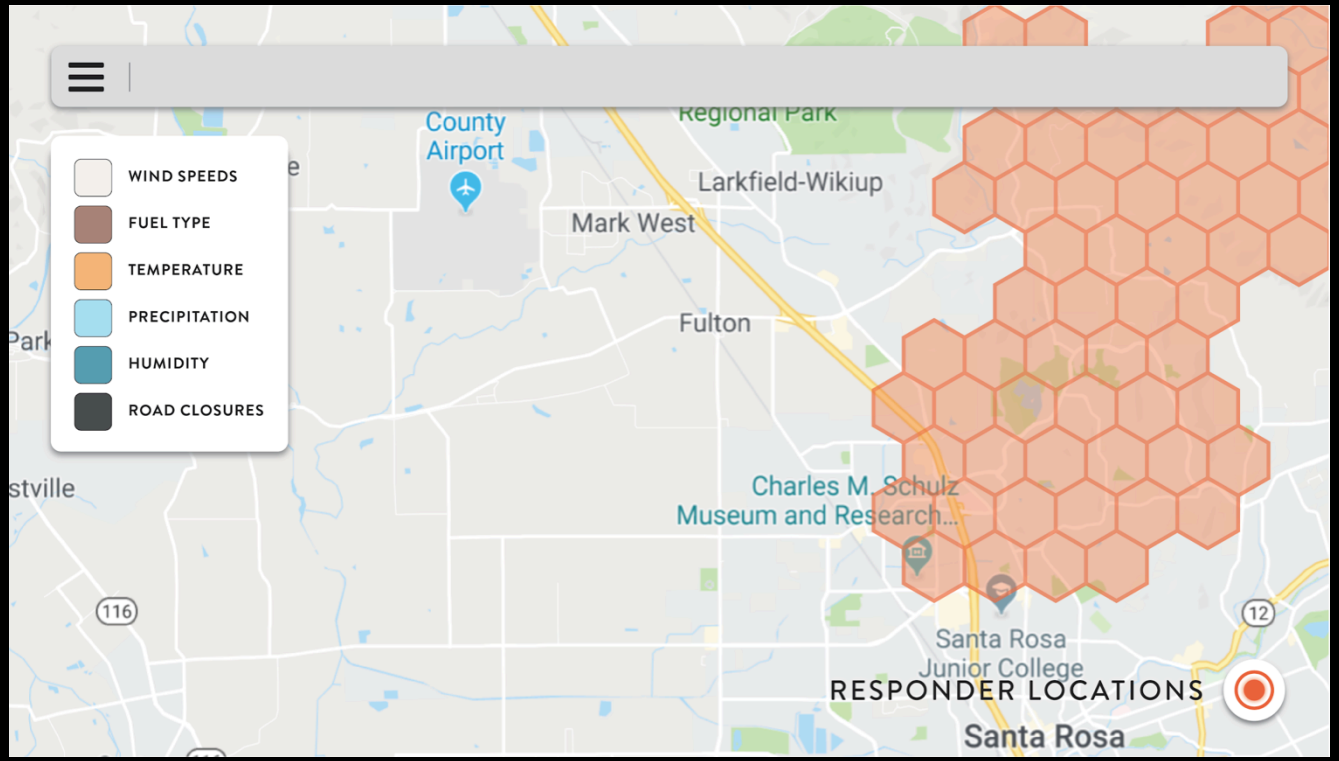
First responders app demo - standard



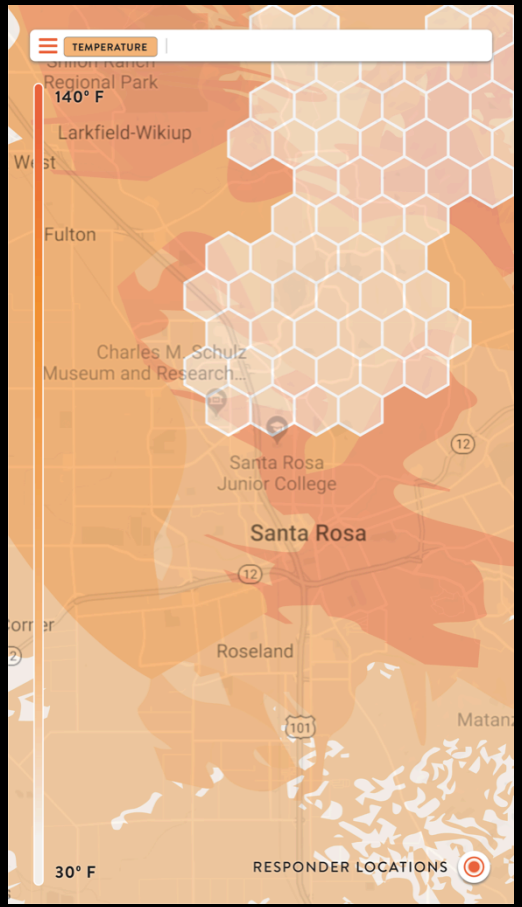


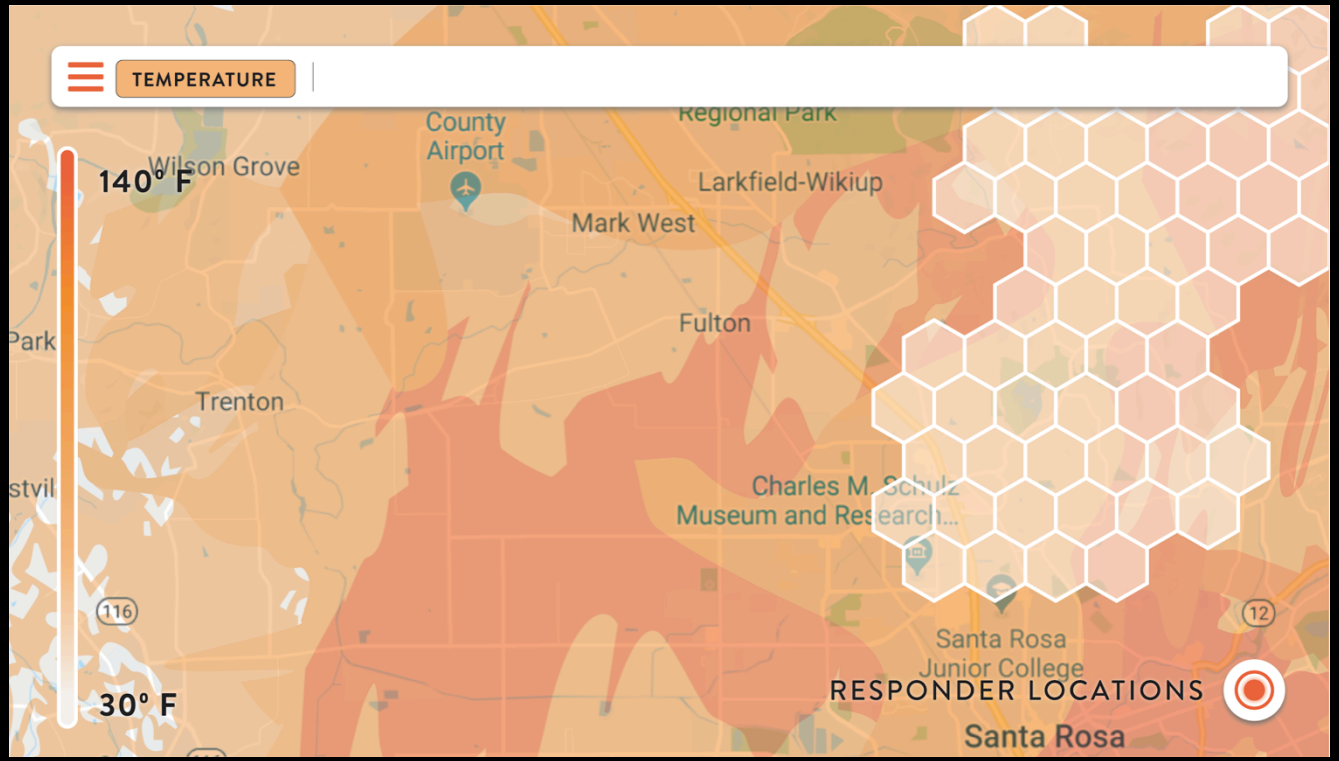
First responders app demo - drop-down



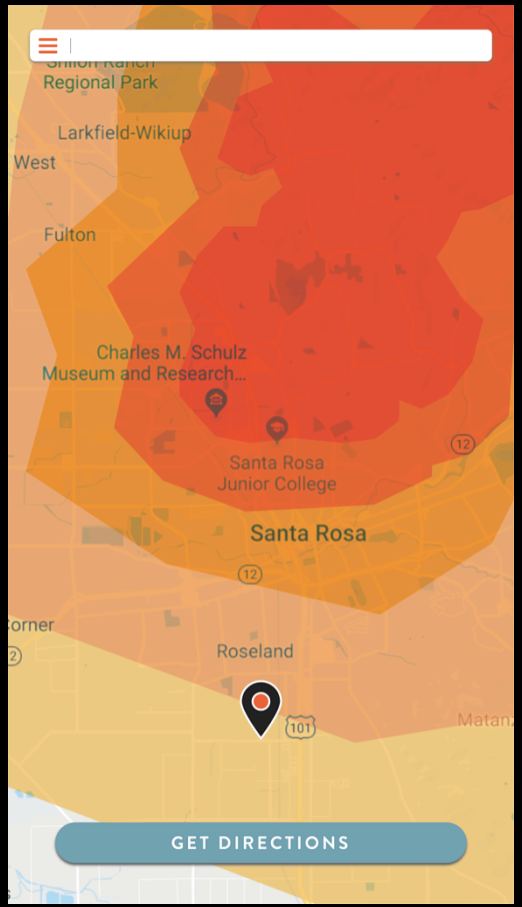


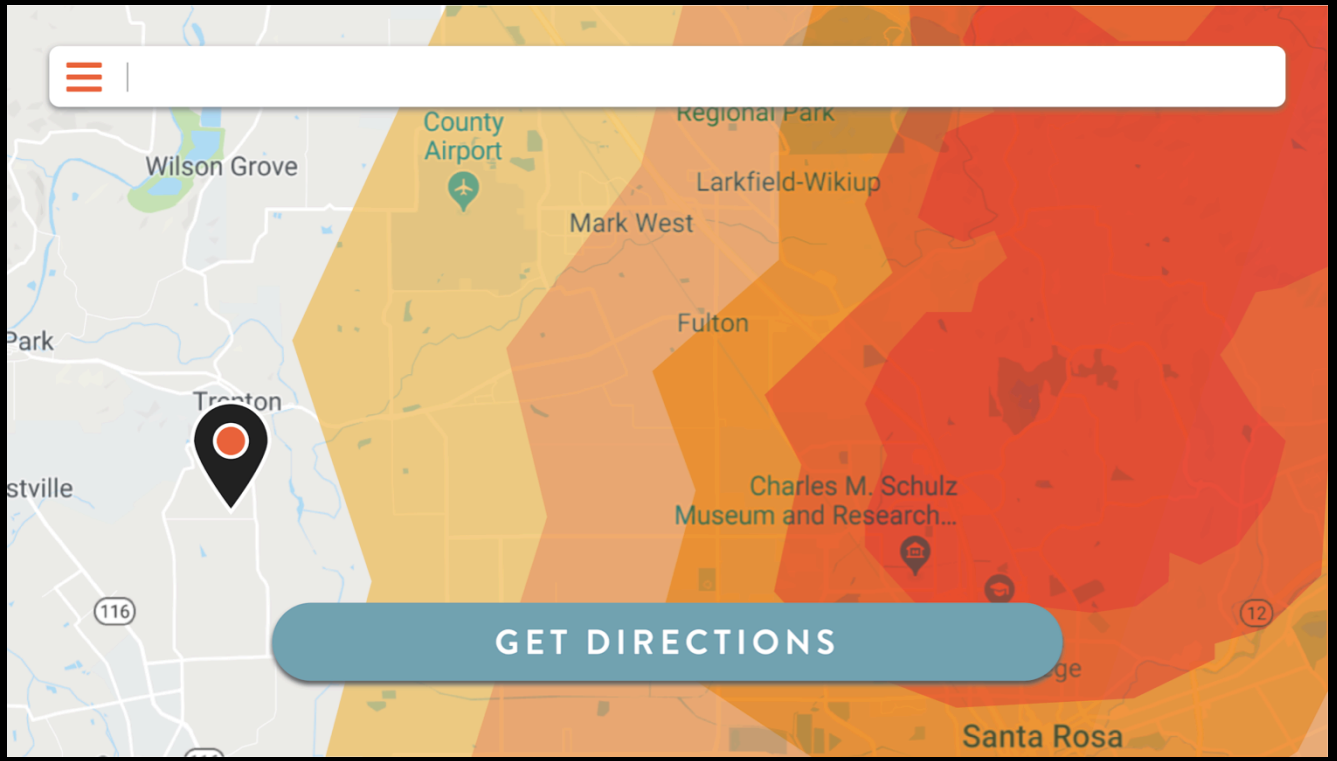
First responders app demo - temperature overlay





Civilians app demo





Thank You!

References

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https://openweathermap.org/api

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https://frap.fire.ca.gov/data/firedata-fuels-fuelsfr

California Traffic Information
https://www.fhwa.dot.gov/trafficinfo/ca.htm

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